LEESON®

THOUSANDS OF SOLUTIONS.
ONE MATCHED **PERFECTLY**
TO YOUR NEEDS.

PRODUCT CATALOG

ELECTRIC MOTORS, GEARMOTORS AND DRIVES
SUB-FRACTIONAL TO 700 HP

REGAL®

What's New In This Catalog

Grain Dryer/Centrifugal Fan Motor
1 PH TEAO Rigid Base - pg 200

Grain Dryer/Centrifugal Fan Motor
15 HP TEFC - pg 199

Grain Dryer/Centrifugal Fan Motor
3 PH TEAO Rigid Base - pg 200

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3 PH TEFC Rigid Base - pg 201

IEC Brakemotors - pg 281 & 295

IEC 225M-315S Frame - B3 Flange -
Rigid Base Line Extension - pg 287

Higher Horse Power - SST - All stainless
Steel - pg 173

SGR Grounding Rings for Ultimate E®
series motors - pg 405

Platinum e™ Permanent Magnet
AC Motors - pg 92

Platinum Series AC Inverters - pages 373-376

What's Coming

Additional Agriculture Fan and Drying Motors

Extreme Duck® Ultra 180-210T Frame

Fire Pump Open Drip

Higher HP Stainless Steel Motors 250T-280T Frame

Vertical Hollow Shaft

Washguard Explosion Proof

Products listed in our L1050E comply with EISA, SMR and SMR2 mandate.

For a complete Terms & Conditions of Sale see the footer area on the home page of www.regalbeloit.com

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LEESON®

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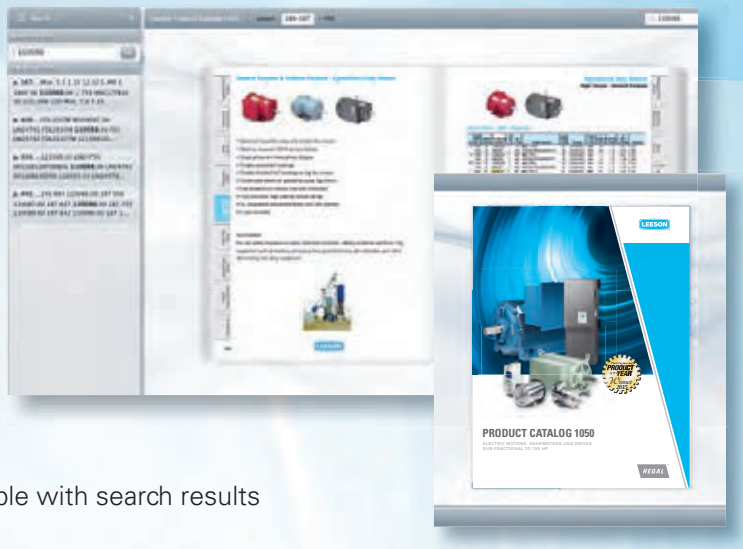

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- Contains LEESON product overview

Contact your local LEESON sales rep for more information

THOUSANDS OF MOTOR AND CONTROL SOLUTIONS.

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The LEESON brand spans more than 6,000 stock AC and DC motors, gearmotors and variable-speed control solutions. All are built for rugged commercial and industrial applications. Whether you need thousands of motors for OEM applications or a single replacement motor, count on our twenty-three stocking warehouses in the USA to get it there right when you need it. Whether you need a motor that withstands extreme temperatures, utilizes a unique mount or other requirement, we have solutions. Look to LEESON brand motors for innovative custom solutions, and personalized service through your local sales office.

To turn ideas into reality, contact your local LEESON sales office or visit **leeson.com**

AC & DC MOTORS OF ALL TYPES

- Sub-fractional to 5,000 HP
- Permanent Magnet AC & DC
- General Purpose 1 & 3 Phase
- Agricultural Duty
- Explosion Proof
- IEC Metric Motors
- Severe Duty and IEEE841
- Washdown Duty
- Inverter Duty
- HVAC—Fan Motors
- AC & DC Gearmotors
- Brakemotors
- Definite Purpose Motors
- Special Voltage

ADJUSTABLE SPEED DRIVES

SCR, PWM, Regenerative & Low Voltage DC Controls

AC Control Families include:

Micro Series

- 115 Volt, 230 Volt and 460 Volt input options
- 1/4 HP through 150 HP ratings
- IP20, IP31 & IP65 enclosure protection
- English readout display

SM & SM–Plus Series

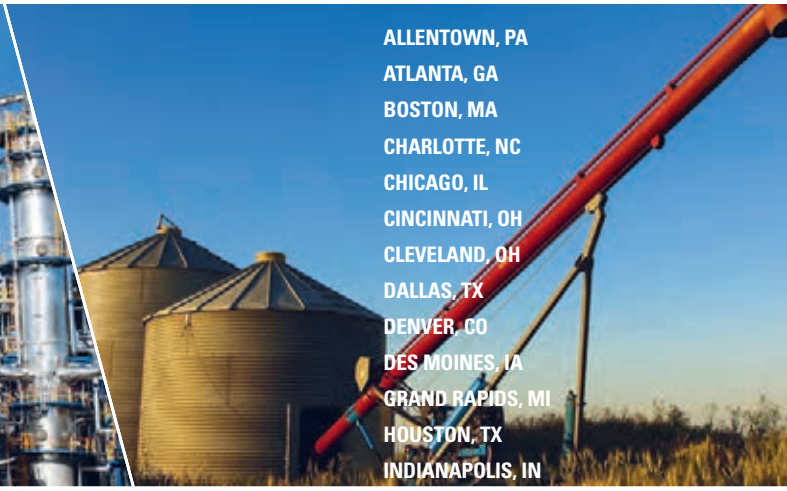
- 115 Volt, 230 Volt and 460 Volt input options
- 1/4 HP through 25 HP ratings
- IP20 enclosure protection
- Three digit LED display

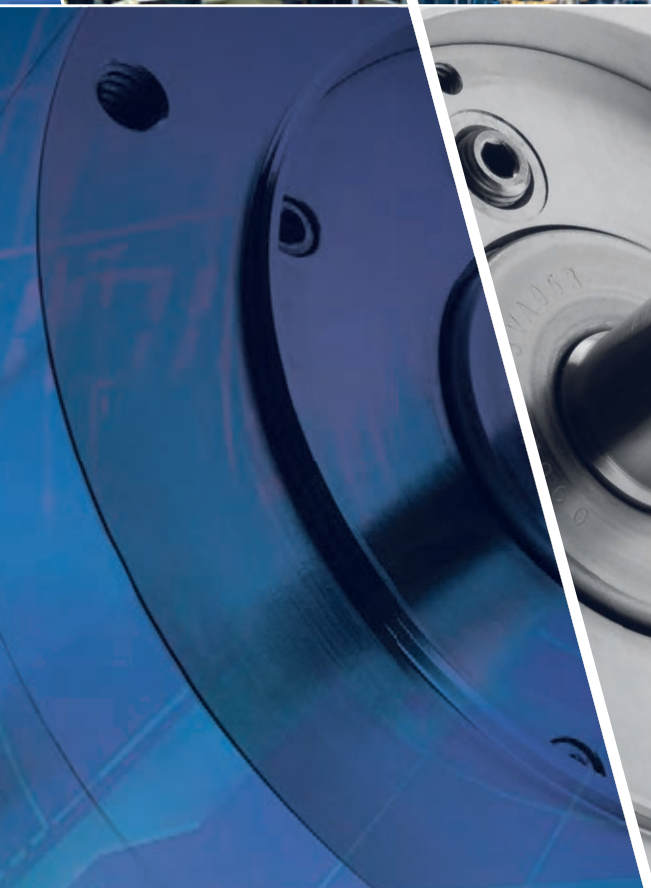
SM2 & SM4 Vector Series

- 115 Volt, 230 Volt and 460 Volt input options
- 1/3 HP through 60 HP ratings
- IP31 and IP65 enclosure protection
- Four digit LED display

Platinum VSD & Platinum VSD–Plus Series

- 230 Volt and 460 Volt input options
- 1/3 HP through 30 HP ratings
- IP20 enclosure protection
- Permanent magnet AC & Induction AC motor capable





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Technical Information
Application Information

AGENCY LISTINGS
UL and CSA

LEESON® Electric and Lincoln motors fire pump and Explosion Proof motors are UL Listed. Other motor types are UL Recognized, including models with inherent overheating protection as noted (i.e. thermally protected models). LESSON and Lincoln motors are also CSA certified for both explosion proof and non-explosion proof enclosures.

AC Motors

Non-Explosion Proof	UL File No.	CSA File No.
NEMA 25-449 Frame	E49747	LR2025
NEMA 500 and 5000 Frame	—	LR2025*
IEC 63-90 Frame	E49747	LR2025
IEC 100-280 Frame	E49747	LR2025#
Thermally Protected motors	E6312	LR2025
Insulation Systems	E37900	LR2025

* Does not include coverage for use with VFD

Domestic product only

Explosion Proof	UL File No.	CSA File No.
NEMA® 56-326 Frame	E12044	LR47504
NEMA 364-449 Frame	E12044	LR21839
Fire Pump Motors	**UL File No.**	**CSA File No.**
NEMA 143-510	EX5190	LR2025
Class I, Division 2/Zone	**UL File No.**	**CSA File No.**
NEMA 48-449 5000 Frame	—	LR21839
European ATEX Zone 2	**Intertek Certificate No..**	
NEMA 143-449, IEC 112-280	ITS06ATEX45370	

Cast iron frame designs only

Non-Explosion Proof	UL File No.	CSA File No.
NEMA 25-145	E49747	LR2025
AC Inverters	E161242	#
SpeedMaster SCR Controls	E132235	LR41380
FHP Speed Drives	E132235	_

- UL Certified for Canada under UL File E 1.67242

PMDC Motors + Gear Motors
ATEX Directive (ATmospheres EXplosibles)

Mandatory by law, the European Union (EU) directive 94/9/EC requires that electric motors for use in explosive atmospheres carry the CE mark, notified body identifier, Ex symbol, equipment group and category, plus the date code. See "European Installations" for additional details, located on the next page.

NEMA (National Electrical Manufacturers Ass'n)

LEESON Electric and Lincoln motors' are manufactured in accordance with all applicable areas of NEMA standards in MG1-2006. When applied in accordance with the "Guidelines for Application of Three Phase Motors on Variable Frequency Drives", **LEESON Electric and Lincoln Motors' are in full compliance with NEMA MG1-2006, Part 31, Section 4.4.2,** as pertaining to voltage spikes. 460 volt motors must withstand voltage spikes of up to 1426 volts; 575 volt motors must withstand spikes up to 1788 volts. See "Insulation Systems" for additional detail on this subject.
Website: www.nema.org

Commitment to RoHS and WEEE European Directives

European directive 2011/65/EU "Restriction of Use of Certain Hazardous Substances" (RoHS) and Directive 2012/19/EU "Directives on Waste Electrical and Electronic Equipment" (WEEE) were enacted to control the amount of certain hazardous substances contained in products shipped into the E.U. Restricted substances include lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated dipheynl ethers.

The scope of products covered, affecting motors, is:

- Large household appliances
- Small household appliances
- IT and telecommunications equipment
- Consumer equipment
- Electrical and electronic tools (except large scale stationary and industrial tools)
- Toys, leisure and sports equipment
- Automatic dispensers

The directives do not currently apply to medical devices, monitoring and control instruments, spare parts for the repair or reuse of electrical and electronic equipment placed on the market before July 1, 2006, and most military and state security equipment.

Regal Beloit America, Inc. (of which LEESON Electric is a business unit and which is an affiliate of Regal Beloit Corporation) worked closely with suppliers to assure that product falling within the scope of these directives meets the specified levels of these substances. The directives took affect July 1st, 2006 however many products were converted in May and June. The products converted are motors in NEMA frame size 145 and below, both AC and DC motors with the following exceptions:

- Brakemotors in 56-145 frame **will have to be ordered specifically as RoHS compliant.**
- Some motors with specialty electro-mechanical components.

ISO QUALITY CERTIFICATION

LEESON Electric is a business unit of Regal Beloit America, Inc., which is an affiliate of Regal Beloit Corporation. We are ISO 9001:2008 and our registrar is NSF-ISR. The certificate number for the corporation is C0026928-IS2.
leeson.com/Technical Information

TERMS AND CONDITIONS

To view our complete set of Terms & Conditions visit www.regalbeloit.com
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NEMA is a trademark of National Electrical Manufacturers Corporation. All Rights Reserved.

LEESON® Electric and Lincoln Motors employ the use of Exxon POLYREX® EM grease, a specially formulated bearing grease designed for electric motors. POLYREX EM provides superior lubricity, durability and resists corrosion, rust and washout.

Maximum safe mechanical speed capability is a function of bearing size, type and grease selection, as well as rotor balance specifications. Consult the "Maximum Safe Mechanical Speed Limits" chart in the "Overspeed Capability" section.

Note that these values do not imply maximum constant horsepower RPM.

EFFICIENCY

The efficiency of a motor is the ratio of its useful power output to its total power input and is usually expressed in a percentage. LEESON Electric and Lincoln Motors offers standard, high efficient EPAct, and **NEMA® Premium** efficient ratings. Standard efficiency motors may only be used on applications that are exempt from legislated efficiencies. The high efficient motor line is in compliance with the Energy Policy Act of 1992 (EPAct) and/or Canadian efficiencies as set by NRCan. The Energy Independance and Security Act of 2007 **(EISA07)** has become a law on December 19, 2010, requiring current EPAct-compliant motors to meet NEMA Premium efficiencies, and most EPAct-exempt motors to meet EPAct levels. Premium efficient motors in this catalog meet NEMA Premium unless otherwise noted.

The LEESON WattSAVER®e and Lincoln Ultimate e® line is a premium efficiency line, which exceeds mandated efficiencies of EPAct and /or NRCan. Unless otherwise noted, premium efficient motors in this catalog meet NEMA Premium, the newly promoted efficiency levels by NEMA and the Consortium for Energy Efficiency (CEE).

ELECTRICAL TYPE/STARTING METHOD

Motors in this catalog are capacitor start, split phase, permanent split capacitor, or three phase. Capacitor Start motors have high starting torque, high breakdown torque, and relatively low starting current. Split phase motors have medium starting torque and medium starting current. Permanent split capacitor motors have low starting torque and low starting current. Three phase motors have high starting, extra breakdown torque, and typically very low starting current. Single phase motors cannot be applied on variable frequency drives with three phase output.

ENCLOSURE AND METHOD OF COOLING

LEESON Electric and Lincoln Motors are available in various enclosures; Dripproof (DP), Dripproof Force Ventilated (DPFV), Totally Enclosed Fan Cooled (TEFC), Totally Enclosed Non-Ventilated (TENV), Totally Enclosed (TEAO) and Totally Enclosed Blower Cooled (TEBC). Application conditions will determine the type of motor enclosure required.

Dripproof motors have open enclosures and are suitable for indoor use and in relatively clean atmospheres. Dripproof motors have ventilating openings constructed so that drops of liquid or solid particles falling on the machine at an angle of not greater than 15 degrees from the vertical cannot enter the machine.

Totally enclosed motors are suitable for use in humid environments or dusty, contaminated atmospheres. Totally enclosed non-ventilated motors are NOT cooled by external means. Totally enclosed fan cooled motors are cooled by external means that are part of the motor but not in the internal workings of the motor. Totally enclosed air over motors are sufficiently cooled by external means, provided by the customer.

HAZARDOUS DUTY

Hazardous Duty motors are totally enclosed (fan cooled or non-ventilated) motors designed for applications in hazardous atmospheres containing explosive gases and/or combustible dusts.

North American installations

North American standards for electric motors generally fall into one of two divisions. Division 1 Explosion Proof motors are UL Listed in accordance with NFPA Class I (Flammable Gases) or Class II (Combustible Dusts) and Groups (gases or dusts), depending upon the atmosphere. Division 2 motors are CSA Certified and are marked similarly to Division 1 equipment. Inverter Duty motors through 449T frames are CSA Certified for use in Division 2 locations.

European installations

Motors for hazardous locations in Europe must meet a different set of standards and require different markings than those of North America. CENELEC sets the standards for equipment in hazardous locations for Europe Motors for use in explosive atmospheres in Europe are often referred to as flameproof (Zone 1) or non-sparking (Zone 2) motors. These motors must comply with the ATEX Directive. The ATEX Directive covers all electrical equipment used in explosive atmospheres. To ensure compliance with the Directive, equipment must meet the essential ATEX requirements and carry the CE mark on the nameplate. Other information required on the nameplate includes the Ex symbol, group & category, Ex protection method, gas group, and temperature code, example (Ex II 3 G Ex nA IIC T3).

The tables on the next page describe LEESON Electric and Lincoln Motors capabilities by Area Classification and by Temperature Code.

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Technical Information
Application Information

LEESON® Electric and Lincoln Motors Hazardous Duty Motor Area Classification Chart

Class I Area Classification (Flammable Gases, Vapors or Mists)				Class II Area Classification (Combustible Dusts)			
North America		Europe - ATEX ③ (Category G - Gases)		North America		Europe - ATEX ③ (Category D - Dusts)	
	Division 1 Explosion Proof	Division 2 TEFC & TENV	Zone1 Flameproof	Zone 2 Non-Sparking	Division 1 Explosion Proof	Division2	Zone 21 Flameproof	Zone 22 Non-Sparking
①	Group A	Group A	N/A	N/A	-	-	-	-
②	Group B	Group B	N/A	N/A	-	-	-	-
	Group C	Group C	N/A	N/A	-	-	-	-
	Group D	Group D	N/A	N/A	-	-	-	-
	-	-	N/A	-	Group E①	-	N/A	N/A
	-	-	N/A	-	Group F	Group F①	N/A	N/A
	-	-	N/A	-	Group G	Group G①	N/A	N/A

- Group is not applicable to that Division or Zone, or is not defined.
① Group is not available from LEESON Electric and Lincoln Motors.
② Contact factory representative for availability.
③ Please contact your local LEESON sales office for ATEX certification

LEESON Electric and Lincoln Motors Hazardous Duty Motor Temperature Code Chart

TEMPERATURE CODES			Division 1 Explosion Proof / Flameproof		Division 2 / Non-Sparking
			Class I Area Classification (Flammable Gases, Vapors or Mists)	Class II Area Classification* (Combustible Dusts)	Class I Area Classification (Flammable Gases, Vapors or Mists)
Temp.	UL/CSA	ATEX	Division 1/Zone 1	Division 1/Zone 21	Division 2/Zone 2
280°C	T2A	T2(280)	Explosion Proof - Class I, Group D (Group C as noted)		
260°C	T2B	T2(260)			Severe Duty & IEEE-841 @ 1.15 S.F., Class I, Groups A,B,C,D (Sine wave power)
215°C	T2D	T2(215)			
200°C	T3	T3			
165°C	T3B	T3(165)	Explosion Proof - Class I, Group D (Group C as noted), Sine wave or PWM power	Explosion Proof - Class II, Groups F & G, Sine wave or PWM power	
160°C	T3C	T3(160)			
135°C	T4	T4			

* Class II, Division 2 motors are not available from LEESON Electric and Lincoln Motors.

Division I & II ambient range is -25°C to +40°C

Guidelines for application of general purpose, three phase single phase motors on variable frequency drives to meet NEMA® MG - 2006 Part 30 and Part 31, Section 4.4.2.
Unless stated otherwise, motor nameplates do NOT include listed speed range.

ENCLOSURE	EFFICIENCY	VARIABLE TORQUE	CONSTANT TORQUE								
		ALL FRAMES	56	143-215		254-286		324-365		404-449	
NEMA Motors		ALL POLES	ALL POLES	2-Pole	4 & 6 Pole	2-Pole	4 & 6 Pole	2-Pole	4 & 6 Pole	2-Pole	4 & 6 Pole
ODP	Standard (EPAct exempt)	10:1	2:1	2:1	2:1	Contact Engineering					
	EPAct compliant	10:1	n/a	10:1	2:1	2:1	2:1	Contact Engineering			
	NEMA Premium	10:1	n/a	2:1	10:1	10:1	10:1				
TEFC	Standard (EPAct exempt)	10:1	2:1	2:1	2:1	Contact Engineering					
	EPAct compliant	10:1	n/a	2:1	10:1	2:1	10:1	2:1	2:1	2:1	2:1
	NEMA Premium	10:1	n/a	2:1	20:1	2:1	20:1	2:1	20:1	2:1	20:1
TENV	EPAct compliant	10:1	n/a	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1
	NEMA Premium	10:1	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1
Washdown TEFC	Standard (EPAct exempt)	10:1	10:1 (2)	10:1 (2)	10:1 (2)	n/a	n/a	n/a	n/a	n/a	n/a
	EPAct compliant	10:1	10:1 (2)	10:1 (2)	10:1 (2)	n/a	n/a	n/a	n/a	n/a	n/a
	NEMA Premium	10:1	10:1 (2)	10:1 (2)	10:1 (2)	n/a	n/a	n/a	n/a	n/a	n/a
Washdown TENV	Standard (EPAct exempt)	10:1	1000:1	1000:1	1000:1	n/a	n/a	n/a	n/a	n/a	n/a
	EPAct compliant	10:1	1000:1	1000:1	1000:1	n/a	n/a	n/a	n/a	n/a	n/a
	NEMA Premium	10:1	1000:1	1000:1	1000:1	n/a	n/a	n/a	n/a	n/a	n/a
Explosion Proof	All efficiency levels	Explosion proof motors must be properly nameplated with inverter duty information prior to use on VFD. Motors with automatic overload protectors cannot be used on VFDs.									
IEC Motors		ALL FRAMES	63-90		100-225		250-315				
All enclosures	All efficiency levels	10:1	20:1		Up to 20:1		Up to 2:1				

Note (2) - Washdown TEFC motors are rated for 10:1 C.T. 60 minute duty or 2:1 C.T. continuous duty at lowest RPM
Lincoln rolled steel - ODP - 280-360 frame - 2:1 Constant torque
280 Frame and higher - TEFC -280-360 frame- 2:1 Constant torque
400 Frame and higher - Contact local sales office
Stock 90 VDC and 180 VDC Motors 30:1 of rated torque

Application Notes

Bearing currents: LEESON Electric recommends that any motors used with variable frequency drives be equipped with suitable means to protect the motor bearings from shaft currents caused by common mode voltages inherent with operation on a non-sinusoidal power supply. LEESON Electric offers several options for motors in non-classified (non-hazardous) locations, including ground brushes, insulated bearings and non-contact shaft grounding rings. For more information on ground brushes and bearing currents, see the VARIABLE SPEED OPERATION section. For installation cost and available options, see the MOD Squad section.

Restricted use: DO NOT APPLY THE FOLLOWING MOTORS ON VARIABLE FREQUENCY DRIVES:

Single Phase motors: motors with inherent overload protection, multi-speed motors, motors with 1.0 service Factor on sine wave power. Fire pump motors should not be used with variable frequency power supplies, due to the critical nature of these applications.

Hazardous locations: Consult with LEESON Electric when applying motors and drives into hazardous locations, either Division/Zone 1 or Division/Zone 2 areas. UL and CSA policies prohibit the installation of bearing protection devices, such as shaft grounding brushes, rings or insulated bearings on motors in hazardous locations.

Maximum Cable Lengths from the Motor to Drive

* Higher carrier frequencies require shorter cable length to obtain normal (50Khrs) insulation life.

Standard Motor Insulation Systems

PRODUCT DESCRIPTION	3 kHz CARRIER FREQUENCY (PHASE TO PHASE)*		
	230 VOLT	460 VOLT	575 VOLT
56-326 NEMA, 100-225 IEC Frames	600 ft.	125 ft.	40 ft.
364-5013 NEMA, 250-315 IEC Frames	1000 ft.	225 ft.	60 ft.
Motors with Corona Resistant Magnet Wire	1500 ft.	475 ft.	140 ft.
Motors with IRIS® or Ultimate e® Spike Defense™	Unlimited	Unlimited	650 ft.
Form-wound low voltage motors	Unlimited	Unlimited	650 ft.

Standard Motor Insulation Systems	
IRIS® INSULATION SYSTEM	ULTIMATE SPIKE DEFENSE™
All LEESON 3-Phase Motors 1HP and above	Lincoln Premium Efficient Motors
All LEESON Premium Efficient Motors	Lincoln Inverter Duty Motors
All LEESON Inverter Duty Motors	Lincoln CTAC® Motors

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Technical Information
Application Information

VARIABLE SPEED INFORMATION
LEESON® Electric and Lincoln Motors Vector-Duty and Inverter Duty Motors, unless otherwise stated, are rated for continuous operation in a 40°C ambient and for altitudes up to 3300 feet (1000 meters) above sea level. Special application considerations, such as high or low ambient, intermittent ratings, high altitude, duty cycle rated, extended constant horsepower range, special base speed, voltage or frequency, or any other special requirements, should be reviewed by a factory representative.

It is the responsibility of the startup personnel during commissioning of the VFD/motor system to properly tune the drive to the motor for the specific application. The correct voltage boost and volts/hertz settings are application dependent and unique to each motor design. Procedures for these adjustments should be in your VFD user manual.
Many vector duty and inverter duty motors in this catalog are equipped with thermostats; warranty coverage may be denied if they are not properly utilized.

WARNING! *Power factor correction capacitors should never be installed between the drive and the motor.*

INVERTER DUTY OR INVERTER RATED
"Inverter Duty" (often called "Inverter Rated") motors are suitable for use with Variable Frequency Drives, as long as operation is within the application guidelines published in this catalog. In general, LEESON Electric and Lincoln Motors' three phase, general purpose, NEMA® Design B motors are considered "Inverter Duty", and meet or exceed the requirements of NEMA MG1, Part 30. As required under federal law, these motors comply with EISA2007 efficiencies when operating from utility power.

Inverter Duty (Rated) motors are most often used in 10:1 speed range, variable torque or constant torque applications. A vector control is usually required for operation beyond 10:1 CT.

Additional detail regarding a specific product's capabilities is available on its catalog page, or by consulting your application engineer.

VECTOR DUTY
"Vector Duty" describes a class of motors that are used in conjunction with Open- (without encoder) or Closed-Loop (with encoder) Vector controls, that provide enhanced performance under low speed operating conditions, or in cases where torque (rather than speed) must be controlled. "Vector Duty" motors can be applied to Volts/Hertz (scalar) drives, as well.

LEESON Electric's Speedmaster® motors and Lincoln motors' CTAC motors, have been specifically designed for optimal operation on vector or volts/hertz controls. These motors feature a wide constant torque (up to 2000:1) and/or constant horsepower (up to 4:1) speed range and are performance-matched to all current technology IGBT drives. Vector duty motors meet or exceed the requirements of NEMA MG1, Part 31, and are equipped with an enhanced insulation system (IRIS® or Ultimate Spike Defense™) to provide many years of trouble-free service. Consult the catalog page for each product's capabilities and features. As these motors are specifically designed for operation through an inverter, they are exempt from EISA2007.

VARIABLE TORQUE LOADS
Applications include fans, blowers and centrifugal pumps. Torque varies as the square of the speed, and horsepower as the cube of the speed. Operation below base speed significantly lightens the load on the motor. While most variable torque applications do not require the motor to operate below half speed, the motor is fully capable of operation to zero speed. Operation above base speed significantly adds to the load on the motor; therefore, a factory representative must review applications requiring variable torque above base speed. Refer to the application chart found on page 9 for use of general purpose three phase motors on variable frequency drives. A bypass circuit is often employed in variable torque applications. If this device is intended to be used, selection of a NEMA Design B motor is recommended, to withstand the inrush current during across-the-line starting.

CONSTANT TORQUE LOADS
Applications include conveyors, elevators, hoists, extruders, positive displacement pumps, mixers and converting equipment. Torque remains constant throughout the range of operation, and extra care should be taken in the proper application of motors, especially at very low speeds. Most constant torque applications don't require operation below 10:1 (i.e. 6 Hz operation on a 60 Hz motor), but an increasing number of applications historically reserved for servo and/or stepper systems are being served with motors capable of operation beyond 20:1…even up to 2000:1 (zero speed, constant torque). Refer to the application chart found on page 9 for use of general purpose three phase motors on variable frequency drives.

Applications requiring greater than 20:1 C.T. are ideal for LEESON Speedmaster® Inverter Duty/Vector Duty and Lincoln Vector Duty CTAC® motors. These motors provide full rated torque within their listed speed range, without exceeding a Class F temperature rating while under inverter power (many operate at Class B). Ratings in this catalog have been developed, based on extensive testing on IGBT inverters, set at a minimum 3 KHz (or equivalent) carrier frequency.

Vector Duty and Inverter Duty motors from LEESON Electric and Lincoln Motors are designed for operation at 150% of rated load for one minute, up to the base speed of the motor (overload capability declines to 100% as the motor reaches maximum constant HP speed). These motors accommodate constant horsepower operation to 1-1/2 to 2 times base speed, subject to the motor's maximum safe mechanical speed limit. Refer to the Maximum Safe Mechanical Speed Chart, as well as the performance section for each motor's capability.

Motors rated for zero RPM continuous duty (1000:1 or 2000:1) must be powered by vector drives to produce rated torque without overheating. Optimum zero speed and low-speed full torque performance may require a closed loop vector drive (with encoder feedback).

Continued on next page

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CONSTANT HORSEPOWER LOADS

Applications include coil winders, band saws, grinders, and turret lathes. Operation requires the motor to deliver the same horsepower rating, regardless of shaft speed. Torque increases at low speed and decreases at higher speed. Most general purpose motors can deliver constant horsepower up to 1 1/2 times base speed (consult a factory representative to verify performance). However, many constant HP applications require operation to twice base speed, and some, such as coil winders, up to 4 times base speed.

MOTOR GROUNDING

Frames and accessories of all motors must be grounded in accordance with the National Electric Code (NEC) Article 430. Refer to NEC Article 250 for general information on grounding. Proper grounding of inverter-driven motors is essential to protect personnel and livestock from inverter-sourced common mode voltages, which may reach hazardous levels on the frame of ungrounded or poorly grounded motors.

LOW INPUT VOLTAGE

If, due to lower utility supply voltage, the input voltage from the VFD to the motor is lower than the motor's rated voltage, de-rating of the motor's base frequency, horsepower, full load RPM, and constant HP RPM is required. The revised values can be calculated by multiplying by the ratio of the voltage change. For example, to operate a 460 volt motor from an inverter fed by 50 or 60 HZ, 400 volt utility power, the multiplier is 400/460 or 0.87.

The VFD can be reprogrammed to match the new base point values, allowing the motor to provide rated torque at rated current from the new base speed down to its original minimum Constant torque speed. The motor's CHP range will begin at the new base frequency and will be shortened by the same ratio as described above.

OVERSPEED CAPABILITY

Maximum safe mechanical speed capability is a function of bearing size and type, lubrication, rotor balancing technique and specifications, air gap, enclosure, frame construction and connection to the driven load. In addition, consideration must be given to ambient noise levels, as operation above base speed will increase motor noise and vibration, and reduce bearing life. Under no circumstances should bearing hub temperature exceed 100° C. Belted loads should not exceed 60 Hz operating RPM by more than 25% (NEMA® "TS" shafts are not suitable for belted loads). Due to external cooling fans, TEFC (and Explosion Proof Fan Cooled) motors are limited to 4000 RPM maximum speed.

Maximum Safe Mechanical Speed Limits
(ODP, TENV, DPFV OR TEBC ENCLOSURES)
60 Hz base frequency

Frame Size	2-Pole	4, 6 or 8-Pole
56-184	7200	5400
213-256	5400	4200
284-286	5400	3600
324-326	4000	3600
364-365	4000	2800
404-449	3600	2800
5000 Fr	N/A	CALL
6800 Fr	N/A	CALL

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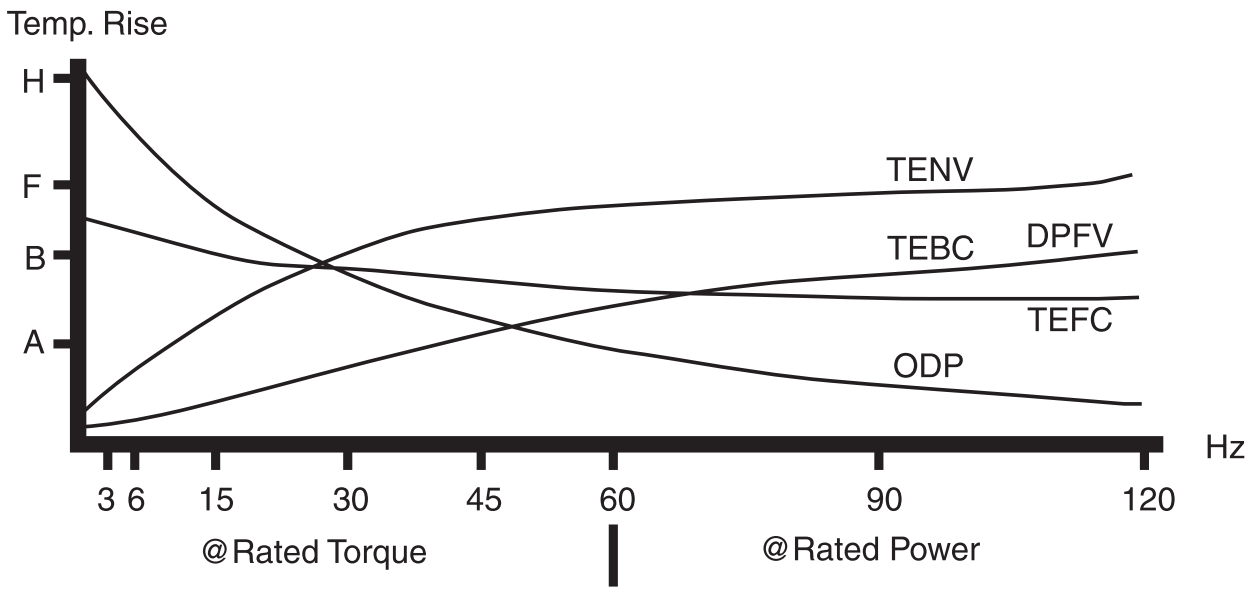
Technical Information
Variable Speed Operation

OTHER APPLICATION CONSIDERATIONS –

For proper selection, the following should be considered:

- Horsepower or torque requirements at various speeds.
- Desired speed range of the load and motor.
- Acceleration and deceleration rate requirements of the process being controlled.
- Starting requirements including the frequency of starting and a description of the load (reflected inertia at the motor, load torque during starting).
- Whether the application is a continuous process or duty cycle of starts, stops and speed changes.
- A general description of the type of application including the environment in which the VFD system components must operate (determines motor enclosure and/or explosion proof classification)
- Description of the available electrical power supply and wiring.
- Special performance requirements, if any.
- Whether the drive will be configured with a by-pass circuit. In case of its deployment, the motor will operate like its fixed speed counterpart and may require a NEMA® B design which limits in-rush current, or selection of a larger motor starter or other protective circuitry.
- Load sharing
- Mounting and other mechanical considerations.

Typical Temperature Rise Of Various Enclosures



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LEESON MOTOR MODEL NUMBER NOMENCLATURE

All LEESON motors, both stock and custom, have a catalog number and a model number. The model number appears on the motor's nameplate and describes pertinent electrical and mechanical features of the motor. An example follows along with a listing of the various letters and positions used.

POSITION 1: U.L. PREFIX

A = Auto protector. UL recognized for locked rotor plus run, also recognized construction (UL 1004)*.
M = Manual protector. UL recognized for locked rotor plus run, also recognized construction (UL 1004)*.
C = Component recognition. (UL 1004) No protector.
U = Auto protector. UL recognized construction (UL1004).
Motor/protector combination not UL recognized.
P = Manual protector. UL recognized construction (UL1004).
Motor/protector combination not UL recognized.
T = Thermostat, not UL recognized.
N = No overload protection.

*This applies only to 48, S56, and 56 frame designs through 1 HP, Open & TENV.

POSITION 2: FRAME

4 = 48 Frame	24 = 24 Frame	40 = 40 Frame
6 = 56 Frame	25 = 25 Frame	43 = 43 Frame
42= 42 Frame	30 = 30 Frame	44 = 44 Frame
143 = 143T Frame	31 = 31 Frame	
145 = 145T Frame	32 = 32 Frame	
182 = 182T Frame	34 = 34 Frame	
184 = 184T Frame	38 = 38 Frame	
213 = 213T Frame		
215 = 215T Frame		
254 = 254T Frame		
256 = 256T Frame		
284 = 284T Frame		
286 = 286T Frame		
324 = 324T Frame		
326 = 326T Frame		
364 = 364T Frame		
365 = 365T Frame		
404 = 404T Frame		
405 = 405 T Frame		
444 = 444T Frame		
447 = 447T Frame		
449 = 449T Frame		

POSITION 3: MOTOR TYPE

C =Cap. Start/Ind. Run	T =Three Phase
D =Direct Current	B =Brushless DC
K =Cap. Start/Cap. Run	H =Inverter Rated/IEEE841
P =Permanent Split	S =Split Phase

Odd frequencies other than 50 Hz show synchronous speed code. DC and special motors may have one, two, or three digits indicating motor speed rounded to the nearest hundred RPM.

EXAMPLE:

Position No.	1	2	3	4	5	6	7	8
Sample Model No.	A	4	C	17	D	B	1	A

POSITION 4: RPM

RPM-Single Speed	RPM-Multi-Speed
34 = 3450 RPM 60 Hz 2 Pole	24 = 2 and 4 Poles
28 = 2850 RPM 50 Hz 2 Pole	26 = 2 and 6 Poles
17 = 1725 RPM 60 Hz 4 Pole	82 = 2 and 8 Poles
14 = 1425 RPM 50 Hz 4 Pole	212 = 2 and 12 Poles
11 = 1140 RPM 60 Hz 6 Pole	46 = 4 and 6 Poles
9 = 950 RPM 50 Hz 6 Pole	48 = 4 and 8 Poles
8 = 960 RPM 60 Hz 8 Pole	410 = 4 and 10 Poles
7 = 720 RPM 50 Hz 8 Pole	412 = 4 and 12 Poles
7 = 795 RPM 60 Hz 10 Pole	68 = 6 and 8 Poles
6 = 580 RPM 50 Hz 10 Pole	
6 = 580 RPM 60 Hz 12 Pole	

POSITION 5: ENCLOSURE

D = Drip-Proof
E = Explosion-Proof TENV
F = Fan Cooled
N = TENV
O = Open
S = Splashproof
W = Weatherproof, Severe Duty, Chemical Duty, WASHGUARD® - TEFC
X = Explosion-Proof TEFC
V = Weatherproof, Severe Duty, Chemical Duty, WASHGUARD - TENV

POSITION 6: MOUNTING

B = Rigid base standard
C = "C" face - no base - NEMA
D = "D" flange - no base - NEMA
H = 48 frame - 56 frame mounting/shaft rigid
J = 48 frame - 56 frame mounting/shaft resilient
K = Rigid mount with "C" flange
M = Motor parts - rotor and stator
R = Resilient base
S = Shell motor
T = Round body
Z = Special mounting

POSITION 7: SEQUENCE NUMBER

Number assigned as required when new designs with new characteristics are needed.

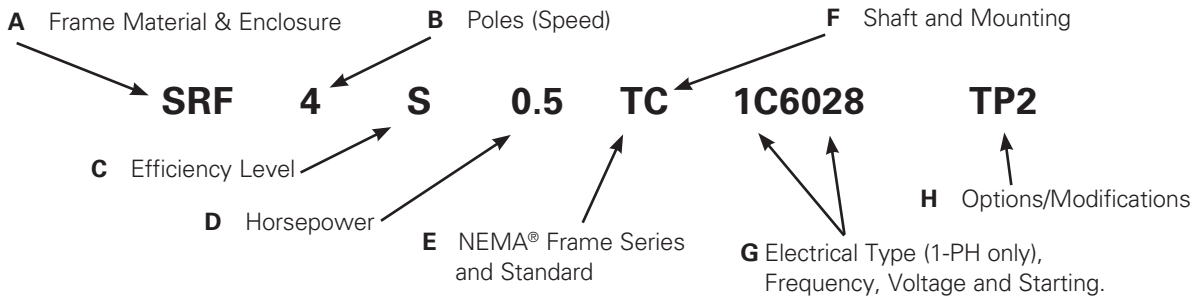
POSITION 8: MODIFICATION LETTER

Major modification letter. Used when revisions made in existing model will affect service parts.

Technical Information

Lincoln Motors Model Number Defined

A Typical Single Phase Motor Model Number



A Typical Three Phase Motor Model Number

EXAMPLE:

Position No.	A	B	C	D	E,F	G	H
Sample Three Phase Model No. **SF2P50TSC619**	SF	2	P	50	TSC	61Y	Options/Modifications
Sample One Phase Model No. **SF2P50TSC619**	SRF	4	S	0.5	TC	1C6028	

AP20 Division 2 Hazardous location Class 1, DIV2, Groups A,B,C,D

AP25 China sourced Ultimate E® brand

AP26 MT2 plant sourced

CRI Crusher Duty

A Frame Material:

A, AA = Extruded aluminum
AV = Alum 63 frame
AP = Alum 71 frame
AR = Alum 80 frame
C = Cast iron
M = Steel (encapsulated windings, 284T-445T frames)
S = Steel (143T-449T frames)

Signature Series Motors

SP = Steel (48 frames)
SR = Steel (56 frames)
SS = Steel (143T-215T frames)
CC = Cast iron (143T and larger)

Enclosure (follows Frame Material):

A = TEAO
B = TEBC
D = ODP
E = ODP-Encapsulated
EW = Wash-Thru™ Motor
F = TEFC
RN = Steel TENV 48 frame
N = TENV
P = Severe Duty IEEE 841
S = Severe Duty
FW = TEFC, Washdown
FX = TE, Explosion-proof
NW = TENV, Washdown
RA = TEAO, Steel
NX = XP, TENV
YF = TEFC, Metric
PA = Steel 48 frame
PN = Steel TENV 48 frame
RN = Steel TENV 48 frame

B Number of Magnetic Poles: this leads to motor synchronous speed (rpm).

Poles	Speed 60 Hz	Speed 50 Hz
2	3600 RPM	3000 RPM
4	1800	1500
6	1200	1000
8	900	750

Single speed motors:
4 = 1800 (60 Hz) or 1500 (50 Hz)

Two speed motors:
2/4/1 = 3600 and 1800 (60 Hz), one winding
4/8/2 = 1800 and 900 (60 Hz), two windings

C Efficiency Level:

B = Exceeds NEMA MG-1 Table 12-12
G = Below NEMA MG-1 Table 12-11, GM7EQ
P = Meets EPAct, NEMA MG-1 Table 12-11 and GM-7EH.
S, H = Below NEMA MG-1 Tables 12-11 and 12-12

D Horsepower:

Single speed motor examples: 0.25, 0.5, 1.5, 75, 800

Horsepower range example: 5-7 = 5 to 7

Two speed motor example:
10/2.5 = 10 HP high speed, 2.5 HP low speed

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E NEMA® Frame Series and Dimensions:

T or U = sets frame number and dimensions in accordance with NEMA T or U design standards for the motor's HP, speed and enclosure.
E = Metric design IEC

F Shaft and Mounting:

AD = Auger drive
C = C-Face, B14
D = D-Flange, B5
J = Jet Pump
JM = JM Pump Mount
JP = JP Pump Mount
L = Locked bearing
N = No feet
R = Resilient mount
S = NEMA short shaft
Y = special mounting (ie. extended thru-bolts)
Z = non-standard shaft dimensions (-1, -2, -3, etc. will appear at the end of the Model Number)

Double shaft motors are identified by two symbols, the first for the "normal drive end" and the second for the "opposite normal drive end": SD4B30TTM61Y and SD4P75TSTS61Y

Each end of the double shaft can have its own mounting: MD4S125TSCTSC61 and CS6P15TTMC61Y

Mounting symbols are listed in alphabetical order when more than one is specified: SSD2S25TJMN61

G Electrical Type (Single Phase Only):

1A = permanent split capacitor
1B = capacitor start, capacitor run
1C = capacitor start, induction run
1N = split phase start, capacitor run
1S = split phase

Frequency:

6_ = 60 Hz and 5_ = 50 Hz

Voltage:

The specific number has no significance. Lincoln will assign the next number in sequence to a new, previously unmanufactured voltage when it is ordered.

Commonly used voltage codes:

60 Hz		50 Hz
61 = 230/460 V	6026 = 208-230/460	51 = 220/380 V
62 = 200/400	6027 = 115/230	52 = 240/415
63 = 208	6028 = 115/208-230	53 = 230/400
64 = 460	6029 = 208-220/440	54 = 200/400
65 = 575		55 = 380
67 = 440		56 = 400
68 = 380		57 = 415
69 = 480		58 = 440
6003 = 220/380		59 = 220/440
6004 = 220/440		5001 = 190/380
6020 = 2300		5007 = 346
6021 = 4000		5012 = 550
6024 = 2300/4000		5014 = 380-415

Reduced Voltage Start Capability:

P = Part winding start (PWS)
Y = Wye-delta start (YDS)
PY = PWS and YDS

H OPTIONS/MODIFICATIONS:

If a motor has more than one Option / Modification, the symbols will appear in alphabetical order.

AP1	CE Compliant Motor
AP5	Fire Pump certified
AP7	Farm Duty, High Torque
AP8	Farm Duty, Extra High Torque
AP9	Grain Stirring
AP10	PSC Variable Speed
AP11	PSC Variable Speed, expanded speed range
AP13	UL Listed Class 1 Groups C & D and Class 2 Groups F & G, thermostats
AP14	UL Listed Class 1 Groups C & D and Class 2 Groups F & G, auto reset thermal protector
AP15	UL Listed Class 1 Group D and Class 2 Groups F & G, thermostats
AP21	China Sourced
AP25	China Sourced Ultimate E®
B	F-2 Mount
C_	Ceiling Mount - NEMA position follows "C"; 1-2
E3	Class H Insulation
E5	Class H Insulation & High Temperature Grease
F	Fungus Proofing (Tropicalization)
H4	Leads exit motor at 12 o'clock position
HS	Precision Dynamic Balance
HT1	Space Heater, 120V
HT2	Space Heater, 240 V
K	Omit Terminal Box
L_	Additional Lead Length - "L" followed by additional length in inches
MB3	Insulated bearings, both ends
MB6	Double sealed bearings, both ends
MK_	Brake installed on motor
Q1	VTAC Inverter Duty Motor
Q10	CTAC® Inverter Duty Motor with provision for mounting feedback device
Q15	CTAC Inverter Duty Motor with factory installed Dynapar 625 1024 ppr encoder
Q15_	CTAC Inverter Duty Motor with factory installed encoder - letter following "Q15" represents brand and ppr rating of encoder, A through S.
Q20	CTAC Inverter Duty motor without provision for mounting feedback device
Q40	CTAC Inverter Duty Motor without provision for mounting feedback device
QS10	Crop dryer (single phase, auto reset)
QS11	Crop dryer (single phase, thermostats)
QS12	Crop dryer (three phase, thermostats)
RB	Roller bearing on drive end
T1	Thermostats, Class F, 3 in series
TD1,2	RTD - Winding, 100 Ω platinum
TD4	RTD - Winding, 10 Ω copper
TD6	RTD - Winding, 120 Ω nickel
TP1	Overload protection, manual reset
TP2	Overload protection, auto reset
TX1	Thermistors, 3 in series
W_	Wall Mount - W followed by NEMA position number, 1-8
X_	Paint color deviation

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Single Phase ODP Motors

Single Phase Motors – General Purpose – Drip-Proof – 115/208-230V
Rigid Mount – 1/4 HP – 10 HP – Frame sizes - 48 – 215T
C Face Mount – 1/4 HP – 7 1/2 HP – Frame sizes 56C – 215TC
Resilient Base Mount – 1/4 HP – 2 HP – Frame sizes – 48 – 56

- Durable rolled steel construction
- NEMA® design B performance
- Meets or exceeds NEMA service factors
- Double shielded ball bearings
- Continuous duty
- Thermally protected ratings
- UL recognized component listing and CSA certified
- 1-year warranty on general purpose motors
- 3-year warranty on premium efficient motors

Applications:
For use where water and dust exposure is minimal. Ideally suited for use on pumps, compressors, blowers, fans and other standard industrial applications

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LEESON®

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48	**101423.00**	D	395	M4C17DB33	16	115/208-230	Man.	2.7	1.35	8.87	S, MX
1/4	1800	48	**E101423.00**	√	452	M4K17DB13	19	115/208-230	Man.	1.2	1.35	10.37	S, MX, 53
1/4	1800	48	**100115.00**	D	327	A4C17DB1	16	115/208-230	Auto.	2.7	1.35	8.87	S, MX
1/4	1800	48	**E100115.00**	√	452	A4K17D11	16	115/208-230	Auto.	1.2	1.35	10.12	S, MX, 53
1/4	1800	S56	**100000.00**	D	374	A4C17DH1	17	115/208-230	Auto.	2.7	1.35	9.24	S, MX
1/4	1800	S56	**E100000.00**	√	467	A4K17DH17	20	115/208-230	Auto.	1.2	1.35	10.49	S, MX, 53
1/3	3600	S56	**100336.00**	D	306	C4C34DH11	26	115/208-230	None	2.8	1.35	8.99	S, MX
1/3	3600	S56	**E100336.00**	√	392	C4K34DH6	29	115/208-230	None	1.5	1.35	10.49	S, MX, 53
1/3	1800	48	**100116.00**	D	374	A4C17DB2	17	115/208-230	Auto.	3.3	1.35	8.87	S, MX
1/3	1800	48	**E100116.00**	√	405	A4K17DB12	16	115/208-230	Auto.	1.9	1.35	10.62	S, MX, 53
1/3	1800	S56	**E100006.00**	√	499	C4K17DH5	19	115/208-230	None	1.9	1.35	10.99	S, MX, 53
1/3	1800	S56	**100588.00**	D	442	M4C17DH46	18	115/208-230	Man.	3.3	1.35	9.24	S, MX
1/3	1800	S56	**E100588.00**	√	515	M4K17DH17	21	115/208-230	Man.	1.9	1.35	10.99	S, MX, 53
1/3	1800	S56	**LM24550**	D	460	SRD4S0.33T1C6028TP1	18	115/208-230	Man.	3.2	1.35	10.22	S, MX
1/3	1800	S56	**LM34481**	√	525	SRD40.33T16027TP1	18	115/208-230	Man.	2.3	1.35	10.97	S, MX, 53
1/3	1800	S56	**100001.00**	D	440	A4C17DH2	18	115/208-230	Auto.	3.3	1.35	9.24	S, MX
1/3	1800	S56	**E100001.00**	√	517	A4K17DH8	16	115/208-230	Auto.	1.9	1.35	10.99	S, MX, 53
1/3	1200	56	**E104018.00**	√	678	C4K11DH1	32	115/208-230	None	1.7	1.35	11.99	S, MX, 53
1/2	3600	48	**E100184.00**	√	422	C4K34DB1	29	115/208-230	None	2.2	1.25	10.37	S, MX, 53
1/2	3600	S56	**E100337.00**	√	433	C4K34DH5	21	115/208-230	None	2.2	1.25	10.99	S, MX, 53
1/2	3600	S56	**100052.00**	D	365	M4C34DH2	21	115/208-230	Man.	3.4	1.25	9.99	S, MX
1/2	3600	S56	**E100052.00**	√	456	M4K34DH12	19	115/208-230	Man.	2.2	1.25	10.99	S, MX, 53
1/2	1800	48	**E100338.00**	√	547	C4K17DB5	30	115/208-230	None	2.3	1.25	11.12	S, MX, 53
1/2	1800	S56	**E100007.00**	√	547	C4K17DH6	30	115/208-230	None	2.3	1.25	11.49	S, MX, 53
1/2	1800	S56	**100004.00**	D	522	M4C17DH5	21	115/208-230	Man.	4.4	1.25	9.99	S, MX
1/2	1800	S56	**E100004.00**	√	569	M4K17DH21	23	115/208-230	Man.	2.3	1.25	11.49	S, MX, 53
1/2	1800	S56	**LM24552**	D	520	SRD4S0.5T1C6028TP2	22	115/208-230	Auto.	4.3	1.25	11.72	S, MX
1/2	1800	S56	**100002.00**	D	496	A4C17DH3	20	115/208-230	Auto.	4.4	1.25	9.99	S, MX
1/2	1800	S56	**E100002.00**	√	564	A4K17DH19	23	115/208-230	Auto.	2.3	1.25	11.49	S, MX, 53
1/2	1200	56	**E110002.00**	√	1,026	C6K11DB5	33	115/208-230	None	2.6	1.25	12.37	S, MX, 53
3/4	3600	S56	**E100340.00**	√	518	C4K34DH4	31	115/208-230	None	3.6	1.25	11.49	S, MX, 53
3/4	3600	S56	**100053.00**	D	460	M4C34DH3	24	115/208-230	Man.	4.9	1.25	10.49	S, MX
3/4	3600	S56	**E100053.00**	√	532	M4K34DH13	28	115/208-230	Man.	3.6	1.25	11.49	S, MX, 53
3/4	1800	56	**E119348.00**	√	632	C6K17DB51	27	115/208-230	None	3.3	1.25	13.15	S, MX, 53
3/4	1800	S56	**100005.00**	D	623	M4C17DH6	25	115/208-230	Man.	5.4	1.25	10.99	S, MX
3/4	1800	S56	**101544.00**	D	665	M4K17DH2	28	115/208-230	Man.	4.0	1.25	11.24	S, MX, 53
3/4	1800	56	**E119855.00**	√	665	M05617DRR70014A3		115/208-230	Man.	——	——	——	S, MX, 53
3/4	1800	S56	**100003.00**	D	606	A4C17DH4	25	115/208-230	Auto.	5.4	1.25	10.99	S, MX
3/4	1800	56	**E119854.00**	√	653	————————		115/208-230	Auto.	——	——	——	S, MX, 53
3/4	1200	56H	**E110003.00**	√	1,040	C6K11DB6	45	115/208-230	None	3.3	1.15	13.62	S, MX, 53

Green items are Premium Efficient

"E" prefix items comply with SMR 2015

▼ LM Numbers are Lincoln Models

D - Item to be discontinued once inventory is depleted

Continued on next page

♥ Note listing on inside back flap

Specifications are subject to change without notice

Single Phase ODP Motors

ecoSaver™

Capacitor Start – General Purpose

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56	**E110360.00**	√	557	C6K34DB31	29	115/208-230	None	3.9	1.25	11.37	S, US, 53
1	3600	56	**110097.00**	D	475	M6C34DB3	28	115/208-230	Man.	6.0	1.25	10.84	S, US
1	3600	56	**E110097.00**	√	572	M6K34DB37	30	115/208-230	Man.	3.9	1.25	11.37	S, US, 53
1	1800	56	**110004.00**	D	573	C6C17DB2	28	115/208-230	None	6.4	1.15	11.87	S, US
1	1800	56	**E110004.00**	√	726	C6K17DB52	29	115/208-230	None	4.2	1.15	11.44	S, US, 53
1	1800	56	**110167.00**	D	673	M6C17DB7	30	115/208-230	Man.	6.4	1.15	10.84	S, US
1	1800	56	**113630.00**	D	721	M6K17DB33	31	115/208-230	Man.	5.3	1.15	10.88	S, US, 53
1	1800	56	**E110167.00**	√	748	M6K17DB54	33	115/208-230	Man.	4.2	1.15	11.87	S, US, 53
1	1800	56	**110000.00**	D	648	A6C17DB1	28	115/208-230	Auto.	6.4	1.15	10.88	S, US
1	1800	56	**E110000.00**	√	735	A6K17DB56	31	————	Auto.	4.2	1.15	11.87	S, US, 53
1	1800	143T	**120044.00**	√	640	C143C17DB3	38	115/208-230	None	6.4	1.15	11.28	S, US
1	1800	143T	**120003.00**	√	673	M143C17DB2	33	115/208-230	Man.	6.4	1.15	11.31	S, US
1	1800	143T	**120000.00**	√	672	A143C17DB1	32	115/208-230	Auto.	6.4	1.15	11.33	S, US
1 1/2	3600	56	**E110361.00**	√	776	C6K34DB32	30	115/208-230	None	6.1	1.15	11.87	S, US, 53
1 1/2	3600	56	**110110.00**	D	623	M6C34DB4	28	115/208-230	Man.	8.2	1.15	10.84	S, US
1 1/2	3600	56	**113631.00**	D	631	M6K34D15	36	115/208-230	Man.	6.2	1.15	11.34	S, US, 53
1 1/2	3600	56	**E113631.00**	√	776	M6K34DB35	39	115/208-230	Man.	6.1	1.15	12.37	S, US, 53
1 1/2	3600	143T	**120107.00**	C/A	613	C143C34D1	32	115/208-230	None	8.2	1.15	11.28	S, US
1 1/2	1800	56H	**E110005.00**	√	827	C6K17DB53	38	115/208-230	None	6.5	1.15	12.87	S, US, 53
1 1/2	1800	56H	**110006.00**	D	812	P6K17DB2	38	115/208-230	Man.	8.6	1.15	11.84	S, US, 53
1 1/2	1800	56H	**113266.00**	D	841	M6K17DB30	42	115/208-230	Man.	6.7	1.15	12.38	S, US, 53
1 1/2	1800	56H	**E113266.00**	√	852	M6K17DB55	45	115/208-230	Man.	4.2	1.15	12.87	S, US, 53
1 1/2	1800	145T	**120042.00**	√	707	C145K17DB5	38	115/208-230	None	8.6	1.15	12.28	S, US, 53
1 1/2	1800	145T	**LM24687**	√	742	SSD4S1.5T1C6028	41	115/208-230	None	9.0	1.15	12.49	S, MX
1 1/2	1800	145T	**120004.00**	√	898	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
1 1/2	1800	145T	**120001.00**	√	898	U145K17DB1	40	115/208-230	Auto.	8.6	1.15	12.28	S, US, 53
2	3600	56	**110363.00**	D	812	C6C34DB22	37	115/208-230	None	10.0	1.15	11.84	S, US
2	3600	56	**E110363.00**	√	1,018	C6K34DB33	38	115/208-230	None	8.0	1.15	11.87	S, US, 53
2	3600	56	**110362.00**	D	846	P6C34DB21	38	115/208-230	Man.	10.0	1.15	12.34	S, US
2	3600	56	**113632.00**	D	852	P6K34DB16	38	115/208-230	Man.	8.6	1.15	11.34	S, US, 53
2	3600	56	**E113632.00**	√	900	————————	——	115/208-230	Man.	——	——	——	S, US, 53
2	3600	145T	**120106.00**	√	874	C145C34DB3	40	115/208-230	None	10.0	1.15	12.28	S, US
2	1800	56H	**116704.00**	D	898	P6K17DB47	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 53
2	1800	56H	**E116704.00**	√	952	————————	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 53
2	1800	145T	**120067.00**	√	844	C145K17DB9	42	115/208-230	None	10.5	1.15	13.28	S, US, 53
2	1800	145T	**LM24677**	√	883	SSD4S2T16028	49	115/208-230	None	10.5	1.15	13.49	S, MX, 53
2	1800	145T	**120879.00**	√	945	P145K17DB38	51	115/208-230	Man.	8.6	1.15	12.45	S, US, 53
2	1800	182T	**131515.00**	√	874	C182C17DB8	56	115/208-230	None	12.4	1.15	13.19	S, MX
2	1800	182T	**131536.00**	√	935	P182C17DB10	63	115/208-230	Man.	12.4	1.15	13.19	S, MX
2	1800	182T	**131535.00**	√	930	U182C17DB9	63	115/208-230	Auto.	12.4	1.15	13.19	S, MX

Green items are Premium Efficient

"E" prefix items comply with SMR 2015

▼ LM Numbers are Lincoln Models

D - Item to be discontinued once inventory is depleted

C/A - Check Availability

Continued on next page

♥ Note listing on inside back flap

Specifications are subject to change without notice

LEESON®

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	56H	**116706.00**	D	906	M6C34DB75	39	208-230	Man.	15.0	1.0	12.38	S, US
3	3600	56H	**E116706.00**	√	945	————————	——	208-230	Man.	——	1.0	——	S, US, 53
3	3600	182T	**131636.00**	√	1,005	C182K34DB3	74	115/208-230	None	14.0	1.15	14.18	S, MX, 53
3	1800	184T	**131534.00**	√	946	C184C17DB19	69	115/208-230	None	16.9	1.15	14.19	S, MX
3	1800	184T	**131561.00**	√	1,119	P184C17DB21	76	115/208-230	Man.	16.9	1.15	14.19	S, MX
3	1800	184T	**131851.00**	C/A	1,117	C184K17DB40	72	208-230	Man.	13.7	1.15	15.22	S, MX, 53
3	1800	184T	**131530.00**	√	1,119	U184C17DB20	69	115/208-230	Auto.	16.9	1.15	14.19	S, MX
5	3600	56H	**116708.00**	√	926	P6K34DB26	45	208-230	Man.	20.8	1.0	13.34	S, MX, 53
5	3600	184T	**131616.00**	√	1,196	C184K34DB3	84	208-230	None	22.0	1.15	14.69	S, MX, 53
5	3600	184T	**LM24681**	C/A	1,226	SS184D2S5T1C6008	78	208-230	None	24.0	1.15	14.72	S, MX, 53
5	1800	184T	**131537.00**	√	1,135	C184K17DB31	83	208-230	None	21.0	1.15	14.69	S, MX, 53
5	1800	184T	**LM24682**	√	1,160	SSD4S5T16008	87	208-230	None	21.0	1.15	15.72	S, MX, 53
5	1800	184T	**131560.00**	√	1,135	C184K17DB32	82	208	None	23.2*	1.15	14.69	S, MX, 53
5	1800	184T	**131622.00**	√	1,357	P184K17DB33	82	208-230	Man.	21.0	1.15	14.69	S, MX, 53
7 1/2	3600	184T	**132044.00**	√	1,093	C184K34DB8	110	208-230	Tstat	31.0	1.15	16.69	S, MX, 53
7 1/2	3600	213T	**140680.00**	√	1,846	C213K34DB1	112	208-230	None	29.5	1.15	18.04	S, MX, 53
7 1/2	1800	215T	**140155.00**	√	1,611	C215K17DB2	113	208-230	None	36.0	1.15	17.26	S, MX, 53
7 1/2	1800	215T	**LM24683**	√	1,700	SS15D4S7.5T16008	118	208-230	None	34.5	1.15	18.05	S, MX, 53
10	3600	215T	**140681.00**	√	2,334	C215K34DB1	135	208-230	None	37.0	1.15	18.05	S, MX, 53
10	1800	215TZ	**140311.00**	√	2,355	C215K17DB4	140	208-230	None	43.0	1.25	19.76	S, MX, 53
10	1800	215T	**LM24684**	√	2,413	SSD4S10T16008	140	208-230	None	44.0	1.15	19.29	S, MX, 53

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
* F.L. Amps at 208V
▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - C Face Motors

ecoSaver™

Drip-Proof - Capacitor Start
General Purpose - C Face Less Base

Single Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	**100023.00**	D	365	C4C17DC7	17	115/208-230	None	2.7	1.35	9.24	S,MX
1/4	1800	S56C	**E100023.00**	√	470	C4K17DC13	18	115/208-230	None	1.2	1.35	10.74	S,MX,53
1/4	1800	S56C	**101521.00**	D	396	A4C17DC79	17	115/208-230	Auto.	2.7	1.35	9.24	S,MX
1/4	1800	S56C	**E101521.00**	√	480	A4K17DC19	18	115/208-230	Auto.	1.2	1.35	10.74	S,MX,53
1/3	3600	S56C	**E100354.00**	√	413	C4K34DC4	29	115/208-230	None	1.5	1.35	10.24	S,MX,53
1/3	3600	S56C	**100355.00**	D	338	A4C34DC12	17	115/208-230	Auto.	2.8	1.35	8.99	S,MX
1/3	3600	S56C	**E100355.00**	√	427	A4K34DC6A	18	115/208-230	Auto.	1.5	1.35	10.49	S,MX,53
1/3	1800	S56C	**E100024.00**	√	525	C4K17DC12	19	115/208-230	None	1.9	1.35	10.99	S,MX,53
1/3	1800	S56C	**LM34059**	C/A	527	SRD40.33TLCN1C6028	19	115/208-230	None	1.9	1.35	10.94	S,MX,53
1/3	1800	S56C	**100018.00**	D	459	M4C17DC2	18	115/208-230	Man.	3.3	1.35	9.24	S,MX
1/3	1800	S56C	**E100018.00**	√	542	M4K17DC20	18	115/208-230	Man.	1.9	1.35	10.99	S,MX,53
1/3	1800	S56C	**101522.00**	D	448	A4C17DC81	17	115/208-230	Auto.	3.3	1.35	9.24	S,MX
1/3	1800	S56C	**E101522.00**	√	533	A4K17DC21	20	115/208-230	Auto.	1.9	1.35	10.99	S,MX,53
1/2	3600	S56C	**E100356.00**	√	449	C4K34DC3	29	115/208-230	None	2.2	1.25	10.74	S,MX,53
1/2	3600	S56C	**100054.00**	D	363	A4C34DC1	18	115/208-230	Auto.	3.4	1.25	9.99	S,MX
1/2	3600	S56C	**E100054.00**	√	466	A4K34DC7	21	115/208-230	Auto.	2.2	1.25	10.99	S,MX,53
1/2	1800	S56C	**E100025.00**	√	565	C4K17DC14	30	115/208-230	None	2.3	1.25	11.49	S,MX,53
1/2	1800	S56C	**100019.00**	D	519	M4C17DC3	21	115/208-230	Man.	4.4	1.25	9.99	S,MX
1/2	1800	S56C	**E100019.00**	√	581	M4K17DC23	24	115/208-230	Man.	2.3	1.25	11.49	S,MX,53
1/2	1800	S56C	**100020.00**	D	507	A4C17DC4	20	115/208-230	Auto.	4.4	1.25	9.99	S,MX
1/2	1800	S56C	**E100020.00**	√	571	A4K17DC22	23	115/208-230	Auto.	2.3	1.25	——	S,MX,53
1/2	1200	56C	**E110381.00**	√	1,049	C6K11DC5	33	115/208-230	None	2.6	1.25	12.37	S,US
3/4	3600	S56C	**E100357.00**	√	547	C4K34DC5	24	115/208-230	None	3.6	1.25	11.49	S,MX,53
3/4	3600	S56C	**100055.00**	D	475	A4C34DC2	24	115/208-230	Auto.	4.9	1.25	10.49	S,MX
3/4	3600	S56C	**E100055.00**	√	545	A4K34DC8	27	115/208-230	Auto.	3.6	1.25	11.49	S,MX,53
3/4	1800	56C	**E119349.00**	√	653	C6K17DC50	25	115/208-230	None	3.3	1.25	13.15	S,MX
3/4	1800	S56C	**100021.00**	D	626	M4C17DC5	24	115/208-230	Man.	5.4	1.25	10.99	S,MX
3/4	1800	56C	**E119857.00**	√	682	M05617DRC70004A3	24	115/208-230	Man.	3.2	1.25	12.31	S,MX,53
3/4	1800	S56C	**101523.00**	D	620	A4C17DC80	26	115/208-230	Auto.	5.4	1.25	10.99	S,MX
3/4	1800	56C	**E119862.00**	√	675	A6K17DC49	29	115/208-230	Auto.	3.2	1.25	10.99	S,MX,53
3/4	1200	56C	**E110382.00**	√	1,128	C6K11DC6	47	115/208-230	None	3.3	1.15	13.62	S,US,53
1	3600	56C	**E110384.00**	√	596	C6K34DC25	29	115/208-230	None	3.9	1.25	11.37	S, US, 53
1	3600	56C	**113337.00**	D	519	A6C34DC53	28	115/208-230	Auto.	6.0	1.25	10.84	S,US
1	3600	56C	**E113337.00**	√	613	A6K34DC31	31	115/208-230	Auto.	3.9	1.25	11.87	S,MX,53
1	1800	56C	**110220.00**	D	617	C6C17DC3	30	115/208-230	None	6.4	1.15	10.88	S,US
1	1800	56C	**E110220.00**	√	735	C6K17DC51	31	115/208-230	None	4.2	1.15	11.87	S,US,53
1	1800	56C	**110036.00**	D	650	M6C17DC1	27	115/208-230	Man.	6.4	1.15	10.88	S,US
1	1800	56C	**E110036.00**	√	764	M6K17DC57	30	115/208-230	Man.	4.2	1.15	11.87	S,MX,53
1	1800	143TC	**121002.00**	√	667	C143C17DC2	31	115/208-230	None	6.4	1.15	11.28	S,US

Green items are Premium Efficient

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D - Item to be discontinued once inventory is depleted

C/A - Check Availability

Continued on next page

♥ Note listing on inside back flap

Specifications are subject to change without notice

LEESON®

Single Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	3600	56C	**E110387.00**	√	809	C6K34DC26	29	115/208-230	None	6.1	1.15	11.87	S,US,53
1 1/2	3600	56C	**113336.00**	D	677	A6C34DC52	28	115/208-230	Auto.	8.2	1.15	10.84	S,US
1 1/2	3600	56C	**E113336.00**	√	827	A6K34DC28	31	115/208-230	Auto.	6.1	1.15	12.37	S,US,53
1 1/2	1800	56C	**110388.00**	D	745	C6K17DC4	38	115/208-230	None	8.6	1.15	11.84	S,US,53
1 1/2	1800	56C	**E110388.00**	√	840	C6K17DC52	39	115/208-230	None	6.5	1.15	12.87	S,US,53
1 1/2	1800	56C	**110037.00**	D	782	P6K17DC1	39	115/208-230	Man.	8.6	1.15	11.84	S,US,53
1 1/2	1800	56C	**E110037.00**	√	860	M6K17DC55A	42	115/208-230	Man.	6.5	1.15	12.87	S,US,53
2	3600	56C	**E110390.00**	√	872	C6K34DC27	38	115/208-230	None	8.0	1.15	11.87	S,US,53
2	3600	56C	**113335.00**	D	875	U6C34DC51	36	115/208-230	Auto.	10.0	1.15	11.84	S,US
2	3600	56C	**E113335.00**	√	917	A6K34DC29A	39	115/208-230	Auto.	8.0	1.15	11.87	S,US,53
2	3600	145TC	**121184.00**	C/A	853	C145C34DC4	37	115/208-230	None	10.0	1.15	12.28	S,US
2	1800	56C	**LM24507**	D	878	SRD4S2TLCN16028	48	115/208-230	None	10.5	1.15	13.44	S,MX,53
2	1800	56C	**LM34060**	√	905	SRD42TLCN16028	49	115/208-230	None	6.3	1.15	14.10	S,MX,53
2	1800	145TC	**120073.00**	√	846	C145K17DC4	49	115/208-230	None	10.5	1.15	13.28	S,US,53
3	3600	56C	**113334.00**	D	891	P6C34DC50	36	230	Auto.	15.0	1.00	11.84	S,US
3	3600	56C	**E113334.00**	√	957	———————	——	——	——	——	——	——	S,US,53
3	1800	184TC	**131544.00**	√	984	C184C17DC5	73	115/208-230	None	16.9	1.15	14.20	S,MX
5	3600	184TC	**131777.00**	C/A	1,317	C184K34DC2	70	230	None	22.2	1.15	14.70	S,MX,53
5	1800	184TC	**131539.00**	C/A	1,370	C184K17DC6	81	230	None	21.0	1.15	14.70	S,MX,53

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - C Face Motors

ecoSaver™

Drip-Proof - Capacitor Start

Single Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	S56C	**E103023.00**	√	536	C4K17DK2	19	115/208-230	None	1.9	1.35	10.74	S,MX,53
1/3	1800	S56C	**103083.00**	D	435	M4C17DK37	18	115/208-230	Man.	3.3	1.35	9.24	S,MX
1/3	1800	S56C	**E103083.00**	C/A	557	M4K17DH18A	18	115/208-230	Man.	1.9	1.35	10.99	S,MX,53
1/2	3600	S56C	**E103024.00**	√	455	C4K34DK3	29	115/208-230	None	2.2	1.25	10.74	S,MX,53
1/2	1800	S56C	**E101651.00**	√	586	C4K17DK5	30	115/208-230	None	2.3	1.25	11.49	S,MX,53
1/2	1800	S56C	**103084.00**	D	526	M4C17DK38	21	115/208-230	Man.	4.4	1.25	9.99	S,MX
1/2	1800	S56C	**E103084.00**	√	587	M4K17DH20A	21	115/208-230	Man.	2.3	1.25	11.49	S,MX,53
3/4	3600	S56C	**E103025.00**	√	549	C4K34DK4	29	115/208-230	None	2.2	1.25	11.49	S,MX,53
3/4	1800	56C	**E119350.00**	√	650	C6K17DK44	28	115/208-230	None	3.3	1.25	13.08	S,MX,53
3/4	1800	S56C	**103086.00**	D	609	M4C17DK39	27	115/208-230	Man.	5.4	1.25	10.99	S,MX
3/4	1800	56C	**E119863.00**	√	690	M05617DRR70016A3	27	115/208-230	Man.	3.2	1.25	12.31	S,MX,53
1	3600	56C	**116769.00**	D	492	C6C34DK6	28	115/208-230	None	6.0	1.25	10.87	S,US
1	3600	56C	**E116769.00**	√	598	C6K34DK23	29	115/208-230	None	3.9	1.25	11.37	S,US,53
1	1800	56C	**E113930.00**	√	746	C6K17DK45	35	115/208-230	None	4.2	1.15	11.87	S,US,53
1 1/2	3600	56C	**E116770.00**	C/A	808	C6K34DK24	36	115/208-230	None	6.1	1.15	11.87	S,US,53
1 1/2	3600	56C	**114214.00**	D	672	M6K34DK8	35	115/208-230	Man.	6.2	1.15	11.34	S,US,53
1 1/2	3600	56C	**E114214.00**	√	854	M6K34DK263	38	115/208-230	Man.	6.1	1.15	12.37	S,US,53
1 1/2	1800	56HC	**E113932.00**	√	850	C6K17DK46	40	115/208-230	None	6.5	1.15	12.87	S,US,53
1 1/2	1800	56HC	**113700.00**	D	888	M6K17DK15	38	115/208-230	Man.	7.2	1.15	11.84	S,US,53
1 1/2	1800	56HC	**E113700.00**	√	888	M6K17DK47	41	115/208-230	Man.	6.5	1.15	12.87	S,US,53
2	3600	56C	**E116771.00**	√	915	C6K34DK25	36	115/208-230	None	8.0	1.15	11.87	S,US,53
2	3600	56C	**114215.00**	D	853	P6K34DK9	35	115/208-230	Man.	8.6	1.15	11.34	S,US,53
2	3600	56C	**E114215.00**	√	938	M6K34DK27	38	115/208-230	Man.	8.0	1.00	12.37	S,US,53
2	1800	56HC	**113281.00**	D	919	P6K17DK12	45	115/208-230	Man.	8.6	1.15	12.87	S,US,53
2	1800	56HC	**E113281.00**	√	962	M05617DRR70030A3		115/208-230	Man.	——	1.15	——	S,MX,53
2	1800	145TC	**120992.00**	√	804	C145K17DK7	45	115/208-230	None	10.5	1.15	13.28	S,US,53
3	3600	56HC	**116707.00**	D	931	M6C34DK5	41	230	Man.	15.0	1.00	12.84	S,US
3	3600	56HC	**E116707.00**	√	987	——————	——	115/208-230	Man.	——	1.00	——	S,MX,53
3	3600	182TC	**132083.00**	C/A	1,049	C182K34DK2	74	115/208-230	None	14.0	1.15	14.20	S,MX,53
3	1800	184TC	**131629.00**	√	1,119	P184C17DK3	70	115/208-230	Man.	16.9	1.15	14.20	S,MX
3	1800	184TC	**131853.00**	√	1,117	C184K17DK18	87	230	Man.	15.4	1.15	13.20	S,MX,53
5	3600	56HC	**116709.00**	√	953	P6K34DK18	46	230	Man.	20.8	1.00	13.84	S,US,53
5	3600	184TC	**131781.00**	√	1,322	C184K34DK4	70	230	None	22.2	1.15	14.70	S,MX,53
5	1800	184TC	**131630.00**	√	1,374	M184K17DK13	77	230	Man.	21.0	1.15	14.70	S,MX,53
7 1/2	3600	184TC	**132043.00**	√	1,371	C184K34DK8	112	230	T-stats	31.0	1.15	16.70	S,MX,53
7 1/2	1800	215TC	**140806.00**	√	1,412	C215K17D5	120	230	None	36.0	1.15	17.26	S,MX,53

Green items are Premium Efficient
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D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Features Include:

- Premium efficient
- Class F insulation
- Terminal boards
- Shielded ball bearings

Single Phase – Drip-Proof – Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	% F. L. Eff.	"C" Dim. (Inches)	♥ Notes
1/4	1800	48	**101602.00**	√	429	A4K17DR7	19	115	Auto.	2.5	1.35	71.0	10.39	S, MX, 32, 53
1/3	1800	48	**101405.00**	√	507	A4K17DR5	19	115	Auto.	3.2	1.35	75.0	10.39	S, MX, 32, 53
1/2	1800	48	**101585.00**	√	580	A4K17DR6	25	115	Auto.	4.6	1.35	76.0	11.39	S, MX, 32, 53

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase ODP Motors

ecoSaver™

Resilient Base Motors – General Purpose or Fan Duty

General Specifications:

- Industrial quality resilient base
- Moderate starting torque
- Belt driven fans or fan on shaft applications
- Self ventilated designs

Drip-Proof – Single Phase – Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/4	3600	48	**101434.00**	D	329	A4C34DR8	16	115/208-230	Auto.	2.0	1.00	9.39	S, MX
1/4	3600	48	**E101434.00**	√	424	A4K34DR4	19	115/208-230	Auto.	2.0	1.00	9.39	S, MX, 53
1/4	1800	48	**100109.00**	D	387	A4C17DR1	17	115/208-230	Auto.	2.7	1.35	9.89	S, MX
1/4	1800	48	**E100109.00**	√	455	A4K17DR18	16	115/208-230	Auto.	1.2	1.35	11.14	S, MX, 53
1/4	1800	48	**100111.00**	D	334	A4C17DR3	17	115/208-230	Auto.	2.7	1.00	9.89	S, MX
1/4	1800	48	**E100111.00**	√	433	A4K17DR17	15	115/208-230	Auto.	1.2	1.00	11.14	S, MX, 53
1/3	3600	48	**101431.00**	D	339	A4C34DR11	17	115/208-230	Auto.	2.3	1.00	9.39	S, MX
1/3	3600	48	**E101431.00**	√	485	A4K34DR1	20	115/208-230	Auto.	1.5	1.00	11.14	S, MX, 53
1/3	1800	48	**100110.00**	D	472	A4C17DR2	18	115/208-230	Auto.	3.3	1.35	9.89	S, MX
1/3	1800	48	**E100110.00**	√	517	A4K17DR19	21	115/208-230	Auto.	1.9	1.35	11.14	S, MX, 53
1/3	1800	48	**101015.00**	D	387	A4C17DR31	18	115/208-230	Auto.	3.3	1.00	9.89	S, MX
1/3	1800	48	**E101015.00**	√	423	A4K17DR20	21	115/208-230	Auto.	1.9	1.00	11.14	S, MX, 53
1/3	1800	S56	**E100014.00**	√	557	C4K17DJ9	20	115/208-230	None	1.9	1.35	10.97	S, MX, 53
1/3	1800	S56	**100010.00**	D	472	A4C17DJ2	18	115/208-230	Auto.	3.3	1.35	10.31	S, MX
1/3	1800	S56	**E100010.00**	√	522	A4K17DJ11	18	115/208-230	Auto.	1.9	1.35	11.81	S, MX, 53
1/3	1800	S56	**100063.00**	D	387	A4C17DJ9	19	115/208-230	Auto.	3.3	1.00	10.31	S, MX
1/3	1800	S56	**E100063.00**	√	497	A4K17DJ12	22	115/208-230	Auto.	1.9	1.00	11.81	S, MX, 53
1/2	3600	48	**101432.00**	D	374	A4C34DR10	20	115/208-230	Auto.	3.4	1.00	9.89	S, MX
1/2	3600	48	**E101432.00**	√	489	A4K34DR2	23	115/208-230	Auto.	2.2	1.00	11.39	S, MX, 53
1/2	1800	S56	**100015.00**	D	480	C4C17DJ6	21	115/208-230	None	4.4	1.25	10.81	S, MX
1/2	1800	S56	**E100015.00**	√	574	C4K17DJ10	22	115/208-230	None	2.3	1.25	11.47	S, MX, 53
1/2	1800	S56	**100045.00**	D	460	M4C17DJ17	20	115/208-230	Man.	4.4	1.00	10.81	S, MX
1/2	1800	S56	**E100045.00**	√	567	M4K17DJ13	24	115/208-230	Man.	2.3	1.00	12.31	S, MX, 53
1/2	1800	S56	**101611.00**	D	508	A4C17DJ57	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX, 32
1/2	1800	S56	**E101611.00**	√	577	A4K17DJ14	25	115/208-230	Auto.	2.3	1.25	12.31	S, MX, 32, 53
1/2	1800	S56	**100011.00**	D	508	A4C17DJ3	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX
1/2	1800	S56	**E100011.00**	√	577	A4K17DJ13	25	115/208-230	Auto.	2.3	1.25	12.31	S, MX, 53
1/2	1800	S56	**100064.00**	D	462	A4C17DJ10	20	115/208-230	Auto.	4.4	1.00	10.81	S, MX
1/2	1800	S56	**E100064.00**	√	560	A4K17DJ79	24	115/208-230	Auto.	2.3	1.00	12.31	S, MX, 53

Continued on next page

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
D-Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Drip-Proof – Single Phase – Resilient Base

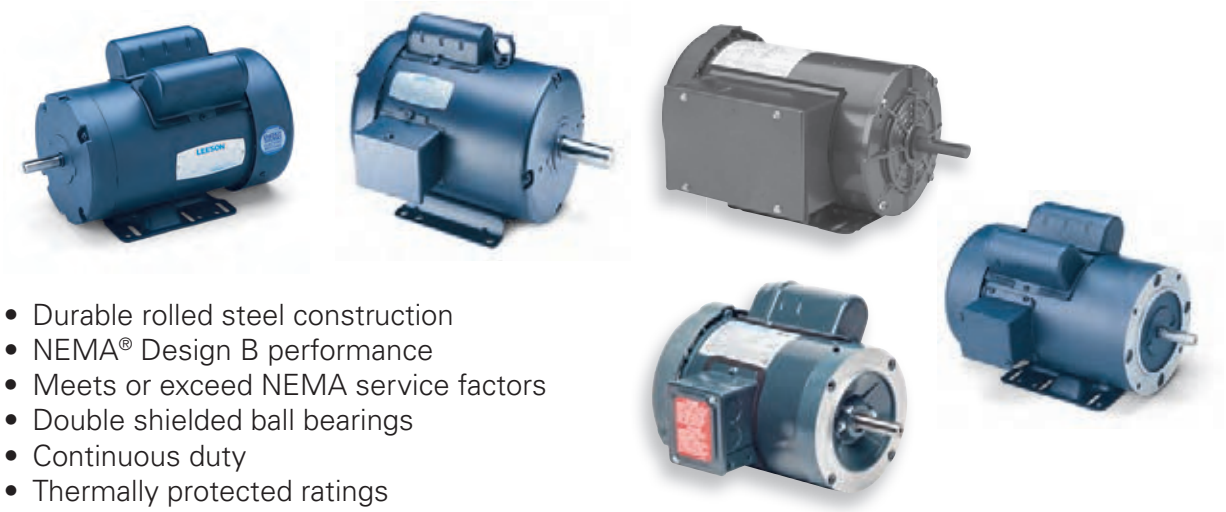
HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
3/4	3600	48	**101433.00**	D	439	A4C34DR9	22	115/208-230	Auto.	4.8	1.00	10.39	S, MX
3/4	3600	48	**E101433.00**	√	545	A4K34DR3	25	115/208-230	Auto.	3.6	1.00	11.89	S, MX, 53
3/4	3600	S56H	**100603.00**	D	468	A4C34DJ7	26	115/208-230	Auto.	4.9	1.25	11.31	S, MX
3/4	3600	S56H	**E100603.00**	√	555	A4K34DJ1	28	115/208-230	Auto.	3.6	1.25	12.31	S, MX, 53
3/4	1800	S56H	**E119362.00**	√	662	C6K17DR44	27	115/208-230	None	3.3	1.25	13.21	S, MX, 53
3/4	1800	S56H	**100046.00**	D	629	M4C17DJ18	26	115/208-230	Man.	5.4	1.25	11.81	S, MX
3/4	1800	S56H	**E119858.00**	√	677	M6K17DR1	29	115/208-230	Man.	3.2	1.25	11.81	S, MX, 53
3/4	1800	S56H	**100047.00**	D	526	M4C17DJ19	25	115/208-230	Man.	5.5	1.00	11.81	S, MX
3/4	1800	56	**E119859.00**	√	660	M05617DRS70006A3	26	115/208-230	Man.	3.2	1.00	11.81	S, MX, 53
3/4	1800	S56H	**101839.00**	D	629	A4C17DJ67	28	**115/208-230**	Auto.	5.4	1.25	11.81	S, MX, 32
3/4	1800	56	**E119864.00**	√	673	A05617DRS70003A3	28	**115/208-230**	Auto.	3.2	1.25	11.81	S, MX, 32, 53
3/4	1800	S56H	**100012.00**	D	629	A4C17DJ4	26	**115/208-230**	Auto.	5.4	1.25	11.81	S, MX
3/4	1800	S56H	**E119856.00**	√	682	A05617DRS70004A3	27	**115/208-230**	Auto.	3.2	1.25	11.81	S, MX, 53
3/4	1800	S56H	**100065.00**	D	521	A4C17DJ11	25	**115/208-230**	Auto.	5.5	1.00	11.81	S, MX
3/4	1800	S56H	**E119860.00**	√	647	A05617DRS70005A3	26	**115/208-230**	Auto.	3.2	1.00	11.81	S, MX, 53
1	3600	56H	**110478.00**	D	540	A6C34DR6	28	**115/208-230**	Auto.	6.0	1.25	11.85	S, US
1	3600	56H	**E110478.00**	√	590	A6K34DR6	31	**115/208-230**	Auto.	3.9	1.25	12.82	S, US, 53
1	1800	56H	**E113027.00**	√	713	C6K17DR43	31	**115/208-230**	None	4.2	1.15	12.88	S, US, 53
1	1800	56H	**110054.00**	D	666	A6C17DR2	32	**115/208-230**	Auto.	6.4	1.00	11.81	S, US
1	1800	56H	**110007.00**	D	681	A6C17DR1	29	**115/208-230**	Auto.	6.4	1.15	11.81	S, US
1	1800	56H	**E110007.00**	√	750	A6K17DR50	32	**115/208-230**	Auto.	4.2	1.15	12.82	S, US, 53
1 1/2	3600	56H	**110479.00**	D	695	A6C34DR7	30	**115/208-230**	Auto.	8.2	1.15	11.82	S, US
1 1/2	3600	56H	**E110479.00**	√	796	A6K34DR7	33	**115/208-230**	Auto.	8.2	1.15	13.32	S, US, 53
1 1/2	1800	56H	**110579.00**	D	824	A6K17DR6	38	**115/208-230**	Auto	7.2	1.15	12.82	S, US, 6
1 1/2	1800	56H	**E110579.00**	√	868	A6K17DR48	41	**115/208-230**	Auto	7.2	1.15	13.82	S, US, 6, 53
2	3600	56H	**113633.00**	D	870	U6C34DR21	38	**115/208-230**	Auto.	10.0	1.15	13.82	S, US
2	3600	56H	**E113633.00**	√	922	A6K34DR8	41	**115/208-230**	Auto.	10.0	1.15	12.82	S, US, 53
2	3600	56H	**113608.00**	D	878	A6K17DR28	45	**115/208-230**	Auto.	10.0	1.15	13.81	S, US, 6, 53
2	3600	56H	**E113608.00**	√	948	A05617DRS70010A3	45	**115/208-230**	Auto.	10.0	1.15	13.82	S, US, 6, 53

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
D-Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase TEFC Motors

Standard and Premium Efficiency –
General Purpose – 115/208-230 Volt
Rigid Mount – 1/12 HP – 15 HP – 42 through 215T frame
Resilient Mount – 1/2 HP – 1 HP – 56 frame
C Face Motors - 1/6 HP - 10 HP - 48C through 215TC



- Durable rolled steel construction
- NEMA® Design B performance
- Meets or exceed NEMA service factors
- Double shielded ball bearings
- Continuous duty
- Thermally protected ratings
- 1-year warranty on general purpose motors
- 3-year warranty on premium efficient motors
- UL recognized component listing and CSA certified

Applications:
For use where exposure to water, dust and dirt exists. Ideally suited for use on pumps, compressors, fans, conveyors and other industrial equipment.

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LEESON®

Single Phase – TEFC – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/12	1800	42	**092111.00**	√	338	C42C17FB3	14	115/208-230	None	1.1	1.15	8.94	S, US
1/8	1800	42	**092114.00**	√	350	C42C17FB2	16	115/208-230	None	1.6	1.15	9.44	S, US
1/6	1800	42	**092116.00**	√	384	C42C17FB1	17	115/208-230	None	2.1	1.15	9.44	S, US
1/6	1800	48	**102012.00**	√	381	C4C17FB23	17	115/208-230	None	2.0	1.15	9.06	S, MX
1/6	1200	48	**102013.00**	√	540	C4C11FB3	23	115/208-230	None	1.9	1.15	10.31	S, MX
1/4	3600	42	**092112.00**	√	389	C42C34FB3	19	115/208-230	None	2.1	1.15	9.94	S, US
1/4	1800	48	**102014.00**	√	374	C4C17FB21	20	115/208-230	None	2.7	1.15	9.06	S, MX
1/4	1800	48	**101446.00**	√	430	M4C17FB10	18	115/208-230	Man.	2.7	1.15	9.06	S, MX
1/4	1800	S56	**LM24606**	C/A	508	SRF4S0.25T1C6028	18	115/208-230	None	2.1	1.15	10.22	S, MX
1/4	1200	48	**102015.00**	√	575	C4C11FB4	23	115/208-230	None	3.2	1.15	11.31	S, MX
1/4	1200	56	**114617.00**	√	606	C6C11FB7	30	115/208-230	None	2.8	1.15	11.81	S, US
1/3	3600	48	**102016.00**	√	357	C4C34FB10	21	115/208-230	None	2.8	1.15	9.06	S, MX
1/3	1800	48	**100955.00**	√	414	C4C17FB3	19	115/208-230	None	3.3	1.15	9.56	S, MX
1/3	1800	48	**102018.00**	√	474	M4C17FB22	20	115/208-230	Man.	3.3	1.15	9.56	S, MX
1/3	1800	S56	**102931.00**	√	412	C4C17FH31	23	115/208-230	None	3.1	1.15	10.44	S, MX
1/3	1800	56	**LM24597**	√	434	SRF4S0.33T1C6028	19	115/208-230	None	3.1	1.15	10.44	S, MX
1/3	1800	S56	**102933.00**	√	470	M4C17FH33	23	115/208-230	Man.	3.1	1.15	10.44	S, MX
1/3	1800	S56	**LM24602**	C/A	496	SRF3S0.33T1C6028TP1	20	115/208-230	Man.	3.0	1.15	10.47	S, MX
1/3	1800	S56	**102932.00**	√	486	A4C17FH32	23	115/208-230	Auto.	3.1	1.15	10.44	S, MX
1/3	1800	56	**113765.00**	√	571	M6K17FB33	27	115/208-230	Man.	1.7	1.15	10.81	S, US, 53
1/3	1200	48	**102019.00**	√	634	C4C11FB5	28	115/208-230	None	3.1	1.00	11.56	S, MX
1/3	1200	56	**110009.00**	√	634	C6C11FB1	34	115/208-230	None	3.6	1.00	12.31	S, US
1/3	1200	56	**LM24546**	√	665	SRF6S0.33T1C6028	28	115/208-230	None	3.9	1.15	12.32	S, MX
1/2	3600	48	**102020.00**	√	407	C4C34FB9	27	115/208-230	None	3.5	1.15	9.31	S, MX
1/2	3600	S56	**102905.00**	√	405	C4C34FH8	22	115/208-230	None	3.5	1.15	9.94	S, MX
1/2	3600	56	**LM24706**	C/A	426	SRF2S0.5T1C6028	23	115/208-230	None	4.2	1.15	11.82	S, MX
1/2	3600	S56	**102904.00**	√	434	M4C34FH7	25	115/208-230	Man.	3.5	1.15	9.94	S, MX
1/2	3600	56	**LM24743**	√	456	SRF2S0.5T1C6028TP1	23	115/208-230	Man.	4.2	1.15	11.82	S, MX
1/2	1800	48	**100956.00**	√	474	C4C17FB4	22	115/208-230	None	4.0	1.15	10.31	S, MX
1/2	1800	S56	**102906.00**	√	470	C4C17FH28	22	115/208-230	None	4.0	1.15	10.69	S, MX
1/2	1800	S56	**LM24627**	√	496	SRF4S0.5T1C6028	24	115/208-230	None	4.0	1.15	11.22	S, MX
1/2	1800	S56	**102909.00**	√	551	M4C17FH30	22	115/208-230	Man.	4.0	1.15	10.69	S, MX
1/2	1800	S56	**LM24604**	C/A	582	SRF2S0.5T1C6028TP1	24	115/208-230	Man.	4.0	1.15	11.22	S, MX
1/2	1800	S56	**102908.00**	√	564	A4C17FH29	25	115/208-230	Auto.	4.0	1.15	10.69	S, MX
1/2	1800	56	**113766.00**	√	634	M6K17FB34	30	115/208-230	Man.	2.5	1.15	11.31	S, US, 53
1/2	1200	56	**110011.00**	√	902	C6C11FB2	38	115/208-230	None	4.9	1.00	12.81	S, US

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♥ Note listing on inside back flap
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Single Phase TEFC Motors

Capacitor Start – General Purpose

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	**110276.00**	√	456	C6C34FB15	26	115/208-230	None	5.0	1.15	11.31	S, US
3/4	3600	56	**110108.00**	√	485	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
3/4	3600	56	**LM24744**	√	504	SRF2S0.75T1C6028TP1	26	115/208-230	Man.	5.3	1.15	12.32	S, MX
3/4	1800	56	**110013.00**	√	564	C6C17FB2	29	115/208-230	None	5.4	1.15	11.31	S, US
3/4	1800	56	**LM24607**	C/A	589	SRF4S0.75T1C6028	30	115/208-230	None	5.5	1.15	12.32	S, MX
3/4	1800	56	**110022.00**	√	659	M6C17FB7	29	115/208-230	Man.	5.4	1.15	11.31	S, US
3/4	1800	56	**110017.00**	√	688	A6C17FB4	26	115/208-230	Auto.	5.4	1.15	11.31	S, US
3/4	1800	56	**113767.00**	√	748	M6K17FB35	35	115/208-230	Man.	3.2	1.15	11.81	S, US, 53
3/4	1200	56H	**110400.00**	√	1,044	C6K11FB1	43	115/208-230	None	5.3	1.00	13.31	S, US, 53
3/4	1200	56	**LM24497**	√	1,093	SRF6S0.75T1B6028	41	115/208-230	None	5.7	1.15	13.82	S, MX, 53
1	3600	56	**110059.00**	√	531	C6C34FB5	28	115/208-230	None	6.0	1.15	11.81	S, US
1	3600	56	**110142.00**	√	593	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1	3600	56	**LM24745**	√	624	SRF2S1T1C6028TP1	31	115/208-230	Man.	6.2	1.15	12.32	S, MX
1	1800	56H	**110209.00**	√	647	C6C17FB17	30	115/208-230	None	7.0	1.15	11.81	S, US
1	1800	56	**LM24610**	√	679	SRF4SITIC6028	32	115/208-230	None	6.7	1.15	12.82	S, MX
1	1800	56	**110023.00**	√	745	M6C17FB8	29	115/208-230	Man.	6.4	1.15	11.81	S, US
1	1800	56	**110018.00**	√	770	A6C17FB5	29	115/208-230	Auto.	6.4	1.15	12.31	S, US
1	1800	56	**113768.00**	√	858	M6K17FB36	37	115/208-230	Man.	4.2	1.15	12.31	S, US, 53
1	1800	143T	**120025.00**	√	713	C143C17FB3	34	115/208-230	None	6.4	1.15	12.75	S, US
1	1800	143T	**LM24709**	C/A	747	SSF4S1T1C6028	34	115/208-230	None	6.7	1.15	12.87	S, MX
1	1800	143T	**120008.00**	√	745	M143C17FB2	31	115/208-230	Man.	6.4	1.15	12.75	S, US
1	1200	145T	**120043.00**	√	1,196	C145K11FB1	49	115/208-230	None	6.7	1.00	14.25	S, US, 53
1 1/2	3600	56	**110094.00**	√	697	C6C34FB6	32	115/208-230	None	8.5	1.00	12.31	S, US
1 1/2	3600	56H	**LM24531**	√	728	SRF2S1.5T1B6028	35	115/208-230	None	7.1	1.15	12.82	S, MX, 53
1 1/2	3600	56	**110109.00**	√	816	M6C34FB8	31	115/208-230	Man.	8.5	1.00	12.31	S, US
1 1/2	3600	56H	**LM24532**	√	853	SRF2S1.51B6028TP1	35	115/208-230	Man.	7.1	1.15	12.82	S, MX, 53
1 1/2	3600	143T	**120130.00**	√	697	C143C34FB1	36	115/208-230	None	8.5	1.00	13.25	S, US
1 1/2	3600	143T	**LM24710**	C/A	728	SRF4S1.5T1B6028	39	115/208-230	None	7.1	1.15	12.87	S, MX, 53
1 1/2	1800	56H	**110253.00**	√	735	C6K17FB9	38	115/208-230	None	8.6	1.00	12.81	S, US, 53
1 1/2	1800	56H	**LM24513**	√	768	SSF4S1,5T1B6028	41	115/208-230	None	7.6	1.15	13.82	S, MX, 53
1 1/2	1800	56H	**113333.00**	√	844	M6K17FB32	38	115/208-230	Man.	8.6	1.00	12.81	S, US, 53
1 1/2	1800	56H	**LM24515**	C/A	883	SRF3S1.5T1B6028TP1	41	115/208-230	Man.	7.6	1.15	13.82	S, MX, 53
1 1/2	1800	56H	**110019.00**	√	915	U6K17FB1	38	115/208-230	Auto.	8.6	1.00	12.81	S, US, 53
1 1/2	1800	56H	**113769.00**	√	975	M6K17FB37	43	115/208-230	Man.	6.5	1.15	13.31	S, US, 53
1 1/2	1800	145T	**120026.00**	√	735	C145K17FB3	44	115/208-230	None	8.6	1.00	13.25	S, US, 53
1 1/2	1800	145T	**LM24711**	C/A	768	SSF4S1.5T1B6028	42	115/208-230	None	7.6	1.15	13.87	S, MX, 53
1 1/2	1800	145T	**120009.00**	√	844	M145K17FB2	42	115/208-230	Man.	8.6	1.00	13.25	S, US, 53
1 1/2	1800	145T	**LM24746**	C/A	883	SSF4S1.5T1B6028TP1	43	115/208-230	Man.	7.6	1.15	13.87	S, MX, 53
1 1/2	1200	184T	**131526.00**	√	1,939	C184C11FB2	69	115/208-230	None	11.0	1.00	15.46	S, MX

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♥ Note listing on inside back flap

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Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56H	**110352.00**	√	909	C6C34FB21	41	115/208-230	None	10.0	1.00	13.31	S, US
2	3600	56H	**110402.00**	√	952	P6C34FB23	41	115/208-230	Man.	10.0	1.00	13.31	S, US
2	3600	56H	**LM24534**	C/A	1,000	SRF2S2T1B6028TP1	40	115/208-230	Man.	9.0	1.15	13.32	S, MX, 53
2	3600	145T	**120036.00**	√	915	C145C34FB1	42	115/208-230	None	10.0	1.00	13.75	S, US
2	3600	145T	**LM24712**	C/A	950	SRF2ST1B6028	54	115/208-230	None	9.0	1.15	13.37	S, MX, 53
2	3600	145T	**120395.00**	√	962	P145C34FB5	44	115/208-230	Man.	10.0	1.00	13.75	S, US
2	1800	56HZ	**113770.00**	√	1,341	M6K17FB38	49	208-230	Man.	8.2	1.15	14.25	S, US ,3, 53
2	1800	145T	**121507.00**	√	1,201	C145K17FB24	48	115/208-230	None	9.2	1.15	13.75	S, US, 53
2	1800	145T	**120867.00**	√	1,210	P145K17FB22	48	115/208-230	Man.	9.2	1.00	13.75	S, US, 53
2	1800	182T	**131509.00**	√	1,053	C182C17FB11	65	115/208-230	None	12.4	1.00	14.46	S, MX
2	1800	182T	**LM24713**	√	1,089	SS18F4S21B028	54	115/208-230	None	12.4	1.15	14.46	S, MX, 53
2	1200	215T	**140747.00**	C/A	2,874	C215K11FB3	118	115/208-230	None	11.2	1.15	18.71	S, MX, 53
3	3600	56H	**116705.00**	√	992	P6K34FB31	53	208-230	Man.	14.0	1.00	13.81	S, US, 53
3	3600	145T	**120341.00**	√	987	C145K34FB3	46	208-230	None	13.0	1.00	14.25	S, US, 53
3	3600	145T	**LM24714**	√	1,023	SS14F2S3T1B6008	48	208-230	None	11.8	1.15	14.87	S, MX, 53
3	3600	182T	**131637.00**	√	1,087	C182K34FB2	78	115/208-230	None	13.4	1.15	14.96	S, MX, 53
3	1800	184T	**131533.00**	√	1,242	C184C17FB12	83	115/208-230	None	16.8	1.00	16.46	S, MX
3	1800	184T	**LM24716**	C/A	1,273	SS184F4S3T1C6028	99	115/208-230	None	16.8	1.00	16.46	S, MX
3	1800	184T	**131855.00**	√	1,341	P184K17FB26	88	208-230	Man.	13.6	1.15	14.96	S, MX, 53
5	3600	184T	**131549.00**	√	1,502	C184K34FB6	93	208-230	None	19.8	1.15	16.96	S, MX, 53
5	3600	184T	**132042.00**	√	1,676	P184K34FB9	103	208-230	Man.	19.8	1.15	16.97	S, MX, 53
5	1800	184T	**131538.00**	√	1,511	C184K17FB15	95	208-230	None	23.0	1.00	17.46	S, MX, 53
5	1800	184T	**LM24718**	C/A	1,519	SSF4S5T1B6008	98	208-230	None	21.7	1.00	17.46	S, MX, 53
5	1800	184T	**131856.00**	√	1,559	P184K17FB25	95	208-230	Man.	21.0	1.00	15.96	S, MX, 53
7 1/2	3600	213T	**140684.00**	√	1,930	C213K34FB1	120	208-230	None	32.0	1.00	18.34	S, MX, 53
7 1/2	3600	213T	**LM24719**	√	2,080	DDF2S7.51B6008	120	208-230	None	32.0	1.00	18.73	S, MX, 53
7 1/2	1800	215T	**140120.00**	√	1,959	N215K17FB1	169	208-230	None	33.6	1.15	20.21	S, MX, 53
7 1/2	1800	215T	**LM24720**	√	2,008	SS215F4S7.5T1B6008	133	208-230	None	30.0	1.00	21.09	S, MX, 53
10	3600	215T	**140685.00**	√	2,369	C215K34FB1	138	208-230	None	41.5	1.00	19.84	S, MX, 53
10	3600	215T	**LM24721**	√	2,552	SSF2S10T1B6008	138	208-230	None	41.5	1.00	20.23	S, MX, 53
10	1800	215T	**140581.00**	√	2,248	C215K17FB12	202	208-230	None	40.0	1.15	20.71	S, MX, 53
10	1800	215T	**LM24722**	√	2,606	SSF4S10T1B66	155	208-230	None	41.5	1.00	21.09	S, MX, 53
15	1800	256TZ	**851150.00**	√	3,119	C256K17FB1	309	208-230	89	58.0	1.00	28.65	S, MX

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♥ Note listing on inside back flap

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Single Phase - C Face Motors

Totally Enclosed - Capacitor Start - General Purpose

Single Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/6	1800	48CZ	**102661.00**	√	374	C4C17FC25	14	115/208-230	None	2.0	1.15	9.19	S, MX, 25
1/4	1800	48CZ	**101765.00**	√	426	C4C17FC10	18	115/208-230	None	2.7	1.15	9.19	S, MX, 25
1/4	1800	S56C	**102868.00**	√	424	C4C17NC26	22	115/208-230	None	2.3	1.15	9.80	S, MX, 25
1/4	1800	S56C	**LM24733**	√	405	SRN4S0.25TLCN1C6028	18	115/208-230	None	2.1	1.00	9.94	S, MX, 12
1/4	1800	S56C	**102866.00**	√	424	C4C17FC34	18	115/208-230	None	2.7	1.15	9.44	S, MX
1/3	3600	S56C	**102870.00**	√	363	C4C34FC13	20	115/208-230	None	2.8	1.15	9.44	S, MX
1/3	3600	S56C	**102873.00**	√	363	C4C34NC15	24	115/208-230	None	1.9	1.00	9.30	S, MX
1/3	3600	S56C	**LM24734**	√	403	SRN2S0.33TLCN1C6028	20	115/208-230	None	2.2	1.15	10.19	S, MX
1/3	1800	48CZ	**102663.00**	√	440	C4C17FC26	19	115/208-230	None	3.3	1.15	9.69	S, MX
1/3	1800	S56C	**101766.00**	√	459	C4C17FC9	22	115/208-230	None	3.3	1.15	9.94	S, MX, 25
1/3	1800	S56C	**102867.00**	√	456	C4C17NC25	23	115/208-230	None	2.6	1.15	10.30	S, MX
1/3	1800	S56C	**LM24598**	√	440	SRF4S0.33TLCN1C6028	19	115/208-230	None	3.9	1.15	12.32	S, MX, 12
1/3	1800	S56C	**102869.00**	√	480	M4C17NC27	25	115/208-230	Man.	2.6	1.15	10.30	S, MX
1/3	1200	56C	**LM24735**	C/A	673	SRF6S0.33TLCN1C6028	28	115/208-230	None	3.9	1.15	12.32	S, MX, 12
1/2	3600	S56C	**102864.00**	√	409	C4C34FC12	22	115/208-230	None	3.5	1.15	9.94	S, MX
1/2	3600	56C	**LM24736**	C/A	459	SRF2S0.5TLCN1C6028	23	115/208-230	None	4.2	1.15	11.82	S, MX
1/2	3600	S56C	**102872.00**	√	435	M4C34FC14	25	115/208-230	Man.	3.5	1.15	9.94	S, MX
1/2	1800	48CZ	**102665.00**	C/A	513	C4C17FC27	22	115/208-230	None	4.0	1.00	10.44	S, MX
1/2	1800	S56C	**102862.00**	√	526	C4C17FC32	21	115/208-230	None	4.0	1.15	10.69	S, MX, 25
1/2	1800	56C	**LM24599**	√	523	SRF4S0.5TLCN1C6028	24	115/208-230	None	4.4	1.15	11.19	S, MX
1/2	1800	S56C	**102865.00**	√	557	M4C17FC33	22	115/208-230	Man.	4.0	1.15	10.69	S, MX
1/2	1800	S56C	**102871.00**	√	549	A4C17FC35	24	115/208-230	Auto.	4.0	1.15	10.69	S, MX
1/2	1200	56C	**110411.00**	√	927	C6C11FC1	37	115/208-230	None	4.9	1.00	12.81	S, MX
3/4	3600	56C	**110413.00**	√	480	C6C34FC8	26	115/208-230	None	5.0	1.15	11.31	S, US
3/4	3600	56C	**LM24738**	C/A	480	SRF2S0.75TLCN1C5028	30	115/208-230	None	5.3	1.15	12.32	S, US
3/4	3600	56C	**110412.00**	√	499	M6C34FC7	28	115/208-230	Man.	5.0	1.15	11.31	S, MX
3/4	1800	56C	**110057.00**	√	626	C6C17FC6	25	115/208-230	None	5.4	1.15	11.31	S, US
3/4	1800	56C	**LM24613**	√	558	SRF4S0.75TLCN1C6028	30	115/208-230	None	5.5	1.15	12.32	S, US
3/4	1800	56C	**110040.00**	√	660	M6C17FC2	26	115/208-230	Man.	5.4	1.15	11.31	S, MX
3/4	1800	56C	**110308.00**	√	650	A6C17FC8	28	115/208-230	Auto.	5.4	1.15	11.31	S, US
3/4	1200	56C	**110414.00**	√	1,044	C6K11FC2	42	115/208-230	None	5.3	1.00	13.31	S, US
3/4	1200	56C	**LM24739**	C/A	759	SRF60.75TLCN1B6028	41	115/208-230	None	5.7	1.15	13.82	S, US, 53

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♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56C	**110416.00**	√	562	C6C34FC10	28	115/208-230	None	6.0	1.15	11.81	S, US
1	3600	56C	**LM24740**	√	569	SRF2S1TLCN1C6028	31	115/208-230	None	6.2	1.15	12.32	S, MX
1	3600	56C	**110415.00**	√	616	M6C34FC9	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1	1800	56C	**110058.00**	√	720	C6C17FC7	33	115/208-230	None	6.4	1.15	11.81	S, US
1	1800	56C	**LM24614**	√	596	SRF4S1TLCN1C6028	32	115/208-230	None	6.7	1.15	12.82	S, MX
1	1800	56C	**110041.00**	√	752	M6C17FC3	29	115/208-230	Man.	6.4	1.15	11.81	S, US
1	1800	143TC	**121001.00**	√	817	C143C17FC2	32	115/208-230	None	6.4	1.15	12.25	S, US
1 1/2	3600	56C	**110419.00**	√	722	C6C34FC12	31	115/208-230	None	8.5	1.00	12.31	S, US
1 1/2	3600	56C	**LM24535**	C/A	624	SRF2S1.5TLCN1B6028	35	115/208-230	None	7.1	1.15	12.82	S, MX, 53
1 1/2	3600	56C	**110418.00**	√	757	M6C34FC11	31	115/208-230	Man.	8.5	1.00	12.31	S, US
1 1/2	3600	143TC	**120101.00**	√	817	C143C34FC1	36	115/208-230	None	8.5	1.00	12.75	S, US
1 1/2	1800	56C	**110420.00**	√	812	C6K17FC2	37	115/208-230	None	8.6	1.00	12.81	S, US, 53
1 1/2	1800	56C	**LM24622**	√	632	SRF4S1.5TLCN1B6028	41	115/208-230	None	7.6	1.15	13.82	S, MX, 53
1 1/2	1800	56C	**110042.00**	√	846	M6K17FC1	40	115/208-230	Man.	8.6	1.00	12.81	S, US
1 1/2	1800	145TC	**120017.00**	√	924	C145K17FC3	40	115/208-230	None	8.6	1.00	13.75	S, US, 53
2	3600	56C	**110422.00**	√	919	C6C34FC14	40	115/208-230	None	10.0	1.00	13.31	S, US
2	3600	56C	**LM24530**	√	711	SRF2S2TLCNB6038	40	115/208-230	None	9.0	1.15	13.32	S, MX, 53
2	3600	56C	**110421.00**	√	952	P6C34FC13	41	115/208-230	Man.	10.0	1.00	13.31	S, US
2	3600	145TC	**120102.00**	√	953	C145C34FC2	43	115/208-230	None	10.0	1.00	13.75	S, US
2	1800	56C	**112136.00**	√	1,087	C6K17FC9	41	115/208-230	None	9.2	1.00	13.31	S, US, 53
2	1800	145TC	**120060.00**	√	1,111	P145K17FC2	45	115/208-230	Man.	10.0	1.00	14.25	S, US, 53
2	1800	182TC	**131516.00**	C/A	1,448	C182C17FC3	64	115/208-230	None	12.4	1.00	14.47	S, MX
3	3600	145TC	**120824.00**	√	1,067	P145K34FC6	56	208-230	Man.	13.0	1.00	14.25	S, US, 53
3	1800	184TC	**131545.00**	√	1,706	C184C17FC4	82	115/208-230	None	16.8	1.00	16.47	S, MX
5	3600	184TC	**131778.00**	√	1,712	C184K34FC2	81	115/208-230	None	19.8	1.15	16.97	S, MX, 53
5	1800	184TC	**131540.00**	√	1,776	C184K17FC6	104	208-230	None	23.0	1.00	17.47	S, MX, 53

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase C Face Motors

Totally Enclosed - Capacitor Start - General Purpose

Single Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	**102916.00**	√	433	C4C17FK4	22	115/208-230	None	2.7	1.15	9.69	S, MX
1/4	1800	S56C	**LM24723**	√	455	SRF4S0.25TLC6028	17	115/208-230	None	2.1	1.15	10.19	S, MX
1/3	3600	S56C	**102929.00**	√	430	C4C34FK16	22	115/208-230	None	2.8	1.15	9.69	S, MX
1/3	1800	S56C	**102930.00**	√	460	C4C17FK6	24	115/208-230	None	3.1	1.15	10.44	S, MX
1/3	1800	S56C	**LM24600**	√	481	SRF4S0.33TLC1C6028	23	115/208-230	None	3.0	1.15	10.44	S, MX
1/3	1800	S56C	**103082.00**	√	460	M4C17FK7	24	115/208-230	Man.	3.1	1.15	10.31	S, MX
1/3	1800	S56C	**102910.00**	√	460	C4C17NK2	25	115/208-230	None	2.6	1.15	10.31	S, MX
1/2	3600	S56C	**102903.00**	√	431	C4C34FK17	25	115/208-230	None	3.5	1.15	9.94	S, MX
1/2	3600	56C	**LM24725**	√	456	SRF2S0.5TLC1C6028	23	115/208-230	None	4.2	1.15	11.82	S, MX
1/2	1800	S56C	**102907.00**	√	553	C4C17FK5	22	115/208-230	None	4.0	1.15	10.69	S, MX
1/2	1800	S56C	**LM24628**	√	583	SRF4S0.5TLC6028	24	115/208-230	None	4.0	1.15	11.19	S, MX
1/2	1800	S56C	**103085.00**	√	553	M4C17FK8	22	115/208-230	Man.	4.0	1.15	10.69	S, MX
3/4	3600	56C	**112135.00**	√	492	C6C34FK36	26	115/208-230	None	5.0	1.15	11.31	S, US
3/4	3600	56C	**LM24726**	√	512	SRF2S0.75TLC1C6028	30	115/208-230	None	5.3	1.15	12.32	S, MX
3/4	1800	56C	**110905.00**	√	667	C6C17FK4	26	115/208-230	None	5.4	1.15	11.31	S, US
3/4	1800	56C	**LM24615**	C/A	700	SRF2S0.75TLC1C6028	30	115/208-230	None	5.5	1.15	12.32	S, MX
3/4	1800	56C	**116922.00**	√	667	M6C17FK86	26	115/208-230	Man.	5.4	1.15	11.31	S, US
1	3600	56C	**110180.00**	√	566	C6C34FK1	28	115/208-230	None	6.0	1.15	11.81	S, US
1	3600	56C	**LM24727**	√	590	SRF2S1TLC1C6028	32	115/208-230	None	6.2	1.15	12.32	S, MX
1	3600	56C	**115877.00**	√	566	M6C34FK78	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1	1800	56C	**110908.00**	√	755	C6C17FK5	30	115/208-230	None	6.4	1.15	11.81	S, US
1	1800	56C	**LM24616**	√	790	SRF4S1TLC6028	35	115/208-230	None	6.7	1.15	12.82	S, MX
1	1800	56C	**115879.00**	√	755	M6C17FK80	32	115/208-230	Man.	6.4	1.15	11.81	S, US
1	1800	143TC	**121680.00**	√	755	C143C17FK1	32	115/208-230	None	6.4	1.15	12.25	S, US
1 1/2	3600	56C	**110909.00**	√	734	C6C34FK19	34	115/208-230	None	8.5	1.00	12.31	S, US
1 1/2	3600	56HC	**LM24539**	√	767	SRF2S1.5TLC1B6028	35	115/208-230	None	7.1	1.15	12.82	S, MX
1 1/2	3600	56C	**115024.00**	√	770	M6K34FK16	35	115/208-230	Man.	6.2	1.15	12.31	S, US
1 1/2	1800	56HC	**110910.00**	√	897	C6K17FK2	39	115/208-230	None	8.6	1.00	12.81	S, US
1 1/2	1800	56HC	**LM24728**	√	934	SRF2S1.5TLC1B6028	41	115/208-230	None	7.6	1.15	13.82	S, MX
1 1/2	1800	56HC	**116703.00**	√	902	M6K17FK50	42	115/208-230	Man.	8.6	1.15	12.81	S, US
1 1/2	1800	145TC	**121681.00**	√	897	C145K17FK13	40	115/208-230	None	8.6	1.00	13.75	S, US

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▼ LM Numbers are Lincoln Models
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♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56HC	**113931.00**	√	961	C6C34FK52	46	115/208-230	None	10.0	1.00	13.31	S, US
2	3600	56HC	**LM24729**	√	1,006	SRF2S2TLC1B6028	40	115/208-230	None	9.0	1.15	13.32	S, MX, 53
2	3600	56HC	**114995.00**	√	916	P6K34FK15	42	115/208-230	Man.	9.2	1.15	13.31	S, US, 53
2	3600	56HC	**115878.00**	C/A	961	P6C34FK79	43	115/208-230	Man.	10.0	1.00	13.31	S, US
2	3600	145TC	**121008.00**	√	961	C145C34FK2	43	115/208-230	None	10.0	1.00	13.75	S, US
2	1800	145TC	**120274.00**	√	1,210	C145K17FK2	49	115/208-230	None	9.2	1.00	14.25	S, US, 53
2	1800	145TC	**LM24731**	C/A	1,267	SSF4S2TLC1B6028	52	115/208-230	None	9.5	1.15	14.87	S, MX, 53
2	1800	145TC	**121465.00**	√	1,210	P145K17FK10	44	115/208-230	Man.	9.2	1.00	13.75	S, US, 53
3	3600	145TC	**121825.00**	√	1,015	C145K34FK9	47	208-230	None	13.0	1.00	14.43	S, US, 53
3	3600	56HC	**115048.00**	√	1,002	P6K34FK17	53	208-230	Man.	14.0	1.00	13.31	S, US, 53
3	3600	145TC	**121060.00**	√	1,077	P145K34FK4	51	208-230	Man.	13.0	1.00	14.25	S, US, 53
3	1800	184TC	**131631.00**	√	1,710	P184C17FK9	84	115/208-230	Man.	16.8	1.00	16.47	S, MX
3	1800	184TC	**131857.00**	√	1,710	P184K17FK14	104	208-230	Man.	13.7	1.15	17.61	S, MX, 53
5	3600	184TC	**131632.00**	√	1,718	P184K34FK2	103	208-230	Man.	19.8	1.15	16.97	S, MX, 53
5	1800	184TC	**131633.00**	√	1,790	P184K17FK11	86	208-230	Man.	23.0	1.00	16.97	S, MX, 53
7 1/2	3600	213TC	**140694.00**	√	2,017	C213K34FK1	120	208-230	None	32.0	1.00	19.07	S, MX, 53
7 1/2	1800	215TC	**140807.00**	√	2,060	C215K17FK6	171	208-230	None	33.6	1.15	20.21	S, MX, 53
10	3600	215TC	**140695.00**	√	2,406	C215K34FK1	138	208-230	None	41.5	1.00	20.57	S, MX, 53
10	1800	215TC	**140678.00**	√	2,331	C215K17FK4	152	208-230	None	40.0	1.15	20.71	S, MX, 53

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase TEFC Motors

WATTSaver® Premium Efficiency Motors

Features:

- High starting torque
- Capacitor start / capacitor run designs for higher efficiency
- Reduced running amps
- Energy saving designs

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	% F.L.Eff.	"C" Dim. (Inches)	♥Notes
1/3	1800	56	**113765.00**	√	571	M6K17FB33	27	115/208-230	Man.	1.7	1.15	76	10.81	S, US
1/2	1800	56	**113766.00**	√	634	M6K17FB34	30	115/208-230	Man.	2.5	1.15	78	11.31	S, US
3/4	1800	56	**113767.00**	√	748	M6K17FB35	35	115/208-230	Man.	3.2	1.15	82	11.81	S, US
1	1800	56	**113768.00**	√	858	M6K17FB36	37	115/208-230	Man.	4.2	1.15	83	12.31	S, US
1	1800	56H	**113769.00**	√	975	M6K17FB37	43	115/208-230	Man.	6.5	1.15	84	13.31	S, US
2	1800	56HZ	**113770.00**	√	1,341	M6K17FB38	49	208-230	Man.	8.2	1.15	85	14.25	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TENV - General Purpose

Single Phase - TENV - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/6	3600	42	**092011.00**	C/A	363	C42C34NB1	16	115/208-230	None	1.0	1.00	9.56	S, US
1/6	1800	42	**092012.00**	C/A	385	C42C17NB1	21	115/208-230	None	1.8	1.00	10.56	S, US
1/4	3600	42	**092013.00**	C/A	390	C42C34NB2	21	115/208-230	None	1.7	1.00	10.56	S, US
1/4	1800	48	**100361.00**	√	374	C4C17NB4	17	115/208-230	None	2.2	1.15	9.43	S, MX
1/4	1800	S56	**102914.00**	√	378	C4C17NH9	24	115/208-230	None	2.3	1.15	9.81	S, MX
1/4	1800	S56	**102915.00**	√	426	A4C17NH10	23	115/208-230	Auto.	2.3	1.15	9.81	S, MX
1/3	3600	48	**100362.00**	√	359	C4C34NB2	24	115/208-230	None	2.0	1.00	9.93	S, MX
1/3	1800	S56	**102912.00**	√	414	C4C17NH7	25	115/208-230	None	2.6	1.15	10.81	S, MX
1/3	1800	S56	**102913.00**	C/A	473	M4C17NH8	25	115/208-230	Man.	2.6	1.15	10.31	S, MX
1/3	1800	S56	**102911.00**	√	469	A4C17NH6	24	115/208-230	Auto.	2.6	1.15	10.31	S, MX
1/2	3600	48	**100366.00**	√	412	C4C34NB3	27	115/208-230	None	2.9	1.00	10.43	S, MX

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase TEFC Motors

Pressure Washer Pump Motors & Resilient Base Motors

General Specifications:

Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages.

Mechanical Features:

- Double shielded ball bearings
- Dynamically balanced rotors

Electrical Features:

- Windings dipped in heavy duty varnish system
- Capacitor start / capacitor run designs to reduce amp draw
- Manual reset overload protection

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	**110108.00**	√	485	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
3/4	1800	56	**110022.00**	√	659	M6C17FB7	29	115/208-230	Man.	5.4	1.15	11.31	S, US
1	3600	56	**110142.00**	√	593	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1	1800	56	**110023.00**	√	745	M6C17FB8	29	115/208-230	Man.	6.4	1.15	11.81	S, US
1	1800	143T	**120008.00**	√	745	M143C17FB2	31	115/208-230	Man.	6.4	1.15	12.75	S, US
1 1/2	3600	56	**110109.00**	√	816	M6C34FB8	31	115/208-230	Man.	8.5	1.00	12.31	S, US
1 1/2	1800	56H	**113333.00**	√	844	M6K17FB32	38	115/208-230	Man.	8.6	1.00	12.81	S, US, 6, 53
1 1/2	1800	145T	**120009.00**	√	844	M145K17FB2	42	115/208-230	Man.	8.6	1.00	13.25	S, US, 53
2	3600	56H	**110402.00**	√	952	P6C34FB23	41	115/208-230	Man.	10.0	1.00	13.31	S, US, 6, 53
2	3600	145T	**120395.00**	√	962	P145C34FB5	44	115/208-230	Man.	10.0	1.00	13.75	S, US
2	1800	145T	**120867.00**	√	1,210	P145K17FB22	48	115/208-230	Man.	9.2	1.00	13.75	S, US, 53
3	3600	56H	**116705.00**	√	992	P6K34FB31	53	208-230	Man.	14.0	1.00	13.81	S, US, 6, 53
3	1800	184T	**131855.00**	√	1,341	P184K17FB26	88	208-230	Man.	13.7	1.15	16.86	S, MX, 53
5	3600	184T	**132042.00**	√	1,676	P184K34FB9	103	208-230	Man.	19.8	1.15	16.97	S, MX, 53
5	1800	184T	**131856.00**	√	1,559	P184K17FB25	95	208-230	Man.	21.0	1.00	17.86	S, MX, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Resilient Base Motors - Single Phase - General Purpose or Fan Duty

General Specifications:

- Industrial quality resilient base
- Moderate starting torque
- Belt driven fans or fan on shaft applications
- Capacitor start designs

Single Phase - TEFC - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	**110025.00**	√	576	A6C17FR1	26	115/208-230	Auto.	4.4	1.15	11.96	S, US
3/4	1800	56	**110026.00**	√	690	A6C17FR2	28	115/208-230	Auto.	5.4	1.15	12.46	S, US
1	1800	56H	**111915.00**	√	784	A6C17FR10	31	115/208-230	Auto.	6.4	1.15	12.96	S, US, 6

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - C Face Motors

Pressure Washer Pump Motors

Application Information:

Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages.

Mechanical Features:

- Double shielded ball bearings
- Dynamically balanced rotors

Electrical Features:

- Windings dipped in heavy duty varnish system
- Capacitor start / capacitor run designs to reduce amp draw
- Manual reset overload protection
- High service factor

Single Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	**116485.00**	C/A	673	M6C17FK81	29	115/208-230	Man.	3.2	1.15	10.81	S, US, 57
1/2	1800	56C	**116486.00**	√	773	M6C17FK80	23	115/208-230	Man.	4.4	1.15	10.81	S, US, 57
3/4	1800	56C	**116487.00**	√	898	M6C17FK79	30	115/208-230	Man.	5.4	1.15	11.31	S, US, 57
1	3600	56C	**115877.00**	√	566	M6C34FK78	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1	1800	56C	**115879.00**	√	755	M6C17FK80	32	115/208-230	Man.	6.4	1.15	11.81	S, US
1 1/2	3600	56C	**115024.00**	√	770	M6K34FK16	35	115/208-230	Man.	6.2	1.15	12.31	S, US, 53
1 1/2	1800	56HC	**116703.00**	√	902	M6K17FK50	39	115/208-230	Man.	8.6	1.15	12.81	S, US, 53
2	3600	56HC	**114995.00**	√	916	P6K34FK15	42	115/208-230	Man.	9.2	1.15	13.31	S, US, 53
2	1800	145TC	**121465.00**	√	1,210	P145K17FK10	44	115/208-230	Man.	9.2	1.00	13.75	S, US, 53
3	3600	56HC	**115048.00**	√	1,002	P6K34FK17	53	115/208-230	Man.	14.0	1.00	13.81	S, US, 53
3	1800	184TC	**131857.00**	√	1,710	P14K17FK14	104	208-230	Man.	13.7	1.15	17.61	S, MX, 53
5	3600	184TC	**131632.00**	√	1,718	P184K34FK2	106	208-230	Man.	19.8	1.15	16.97	S, MX, 53
5	1800	184TC	**131633.00**	√	1,790	P184K17FK11	107	208-230	Man.	23.0	1.00	16.97	S, MX, 53

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Single Phase C Face Motors
Unit Handling Motors

Applications Include:

Unit and baggage handling, conveyors, packaging equipment, machine tools, elevators and door openers where a conduit box at 12:00 position is needed due to mounting size restrictions

Features include:

- Low profile conduit box at the 12:00 position
- Base includes both 56H and 143-5T mounting holes and slots

Single Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/2	1800	56C	**117701.00**	√	553	C6C17FK92	22	115/208-230	4.4	1.2	12.48	S, US
3/4	1800	56C	**117702.00**	√	601	C6C17FK94	26	115/208-230	5.4	1.2	12.98	S, US
1	1800	56C	**117703.00**	√	652	C6C17FK93	30	115/208-230	6.4	1.2	12.98	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - C Face Less Base

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/2	1800	56C	**117704.00**	√	531	C6C17FC175	21	115/208-230	4.4	1.2	10.98	S, US
3/4	1800	56C	**117705.00**	√	580	C6C17FC176	25	115/208-230	5.4	1.2	11.48	S, US
1	1800	56C	**117706.00**	√	624	C6C17FC177	29	115/208-230	6.4	1.2	11.48	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Cast Iron

150 & 170 Series - Rigid Base - General Purpose

NEMA Premium

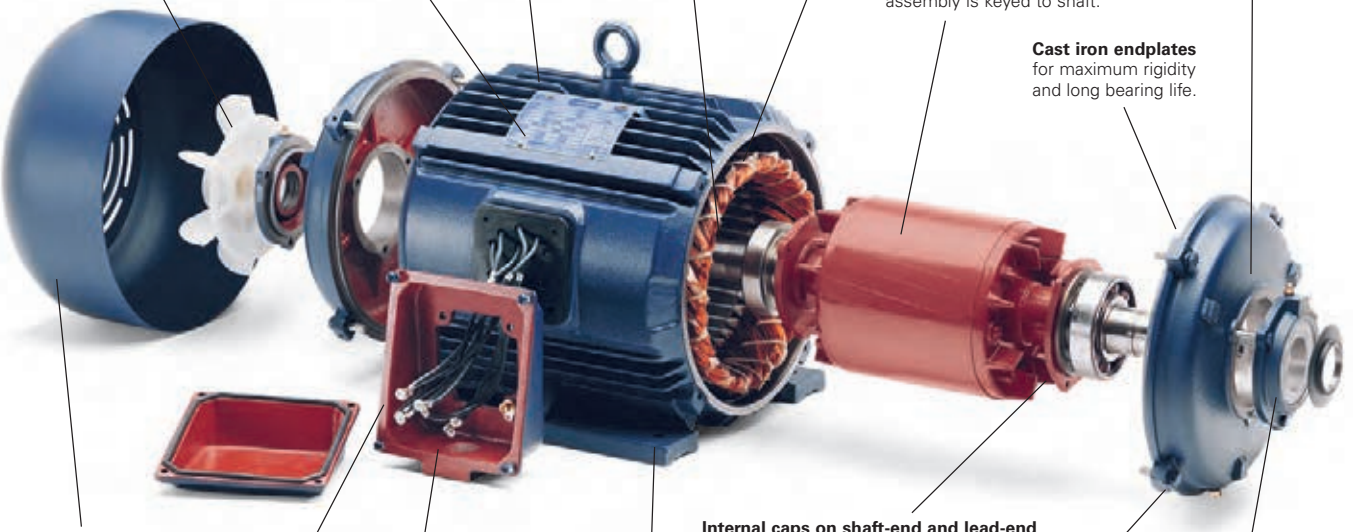
For reliable performance in heavy-duty industrial applications, nothing beats the LEESON® Heavyweights. With their cast iron construction and 1.15 Service Factor, they are ideal for "tough to handle" applications.

But that's only part of the story. LEESON 150 and 170-series cast iron motors are extremely versatile and can be field converted in minutes to a number of different configurations, including:

- Severe Duty TEFC (using cast iron fan guard kit)
- F2 mounting 180 frame or larger (by re-assembly)
- C face with rigid base (from stock or using C face kit)
- D flange with base (using D flange kit)

UL recognized and CSA certified.

IRIS® Inverter Rated Insulation System from LEESON provides superior motor protection against voltage spikes induced by variable frequency drives. This total insulation system protects better than spike-resistant magnet wire alone. Specially formed phase insulation, cushioned and sleeved connections (from the leads all the way into the turns),and deep-penetrating, non-hygroscopic, high temperature varnish are just a few features contributing to the extra protection. All this plus second generation, spike-resistant magnet wire. The IRIS total insulation system is standard at no extra cost in all LEESON stock NEMA three-phase motors, 1 HP and larger. The LEESON Ultimate E® "199" Series motors have our standard insulation system.



Stainless steel "full fact" nameplate with information on motor efficiency and power factor. Includes wiring diagram, bearing sizes, and motor weight.

Heavy-duty cast iron frame, endbells and conduit box.

High torques for hard-to-start loads. Torques exceed NEMA performance standards. Energy performance verified by LEESON's NVLAP-Certified testing laboratory.

Lubrication fittings on each end of motor (254T frame and larger). New Exxon POLYREX® EM lubricant for extended bearing life. Oversized bearings. Slotted-head pipe plug reliefs. Bearing caps protect against entry of grease into the motor.

Non-sparking fan. Small size reduces noise and enhances efficiency. Fan keyed to shaft.

100% copper-wound Inverter Rated Insulation System is double-dipped and baked. Stator press-fitted and pinned to housing. 1.15 Service Factor provides extra margin of power. Class F insulation system with Class B or lower temperature rise. Many suitable for 50 Hz operation at 1.0 service factor. Contact factory for details.

Dynamically balanced rotor assembly is keyed to shaft.

Cast iron endplates for maximum rigidity and long bearing life.

Steel fan cover for optimum strength. Cast iron cover available for severe service.

Oversized cast iron conduit box is gasketed and may be rotated in 90˚ increments. NPT threaded entrance.

Internal caps on shaft-end and lead-end bearings 254T frame and larger. 182T through 215T frame motors with C-faces have locked bearing on the shaft end only. Motors are suitable for all mounting positions.

One-way, corrosion resistant condensate drains. (TEFC models) release condensation and moisture.

Neoprene shaft slinger protects bearings by repelling moisture and other contaminants. Internal protection against rust and corrosion.

12-Lead Delta windings (254T to 405T frame and larger) for across-the-line or wye delta starts. (182T & 215T frame motors are dual voltage with nine leads. Motors above 405T frame are single voltage with six leads. 575V motors have six leads, except 213T-215T which have three leads) Permanently marked leads with lugs for easy connection. Normally-closed thermostat standard on WATTSaver® e designs.

Cast iron mounting feet. Precision-machined for accurate alignment. Dual mounting provisions (six mounting holes) on 184T, 215T, 256T, 286T, 326T, 365T, 405T, 445T, 447T and 449T frames.

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Three Phase WATTSaver® Premium Efficiency Motors

General Purpose

The WATTSaver® e line of premium efficiency motors is LEESON's unique IRIS® voltage-spike-resistant insulation system, included at no extra cost. WATTSaver e motors carry a three-year warranty in general purpose and inverter fed applications. These motors meet or exceed most utility rebate programs and the EPAct federally mandated efficiency levels. The efficiency ratings have been verified to IEEE 112B test standards by LEESON's NVLAP-Certified lab.

Cast iron 170 series motors can be field modified for forced ventilation service to extend the inverter-fed operating range and an encoder package is stocked for closed-loop vector inverter systems. These motors can be converted to IEEE841 compliant using the Custom PDQ Program. Contact LEESON.

Efficiencies meet or exceed NEMA Premium on all WATTSaver e motors.

Both 3/4 and full load efficiencies are listed on the stainless steel nameplate for your convenience in calculating realistic energy savings. Unique serial number identifies each motor and is stamped clearly on the metal nameplate.

Rugged cast iron construction on three phase, 1-350 HP models. These motors share features with normal efficiency 150 Series motors detailed on page 38. Add an optional cast iron fan guard for severe duty applications.

Independently verified efficiencies by the Canadian Standards Association, an internationally recognized testing laboratory. CSA Report Number EEV78720-1.

Three phase models suitable for inverter duty, as well as both 50 Hz and 60 Hz operation.

Premium efficiency motors finished with primer and chemical resistant green acrylic matte enamel. IP43 enclosure protection.

Meets or exceeds the 1997 mandated efficiency standards of the Energy Policy Act of 1992. Also meets or exceeds efficiency requirements of most electric utility rebate programs.

Modification to meet IEEE 841 available through Custom PDQ. Includes addition of watertight Inpro shaft seals, two-part epoxy finish, and plated hardware.

WATTSaver e motors comply with EISA 2007

One-way, corrosion resistant condensate drains. (TEFC models) release condensation and moisture.

Second-generation, high temperature, spike-resistant magnet wire for extended motor life. Stator impregnated with extra-heavy varnish system. 1.15 Service Factor. All WATTSaver e motors have Class F insulation with a Class B rise. Motors rated at 40 degrees C ambient.

UL and CSA Recognition

IRIS® Inverter Rated Insulation System from LEESON provides superior protection against voltage spikes induced by variable frequency drives. This protects better than spike-resistant magnet wire alone. Specially formed phase insulation, cushioned and sleeved connections (from the leads all the way into the turns), and deep-penetrating, non-hygroscopic, high temperature varnish are just a few features contributing to extra protection. All this plus second generation spike-resistant magnet wire. In all LEESON stock NEMA three-phase motors, 1 HP and larger, the Inverter Rated Insulation System is standard at no extra cost The LEESON Ultimate E®, "199" Series motors have our standard insulation system.

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Three Phase ODP Motors

General Purpose – Drip-Proof –
208-230/460V & 460V Rigid Mount – 1/4 HP – 500 HP
C Face motors – 1/4 HP – 200 HP

Ultimate *e*® Motors
see pages 50-52

- Standard, EPAct and premium efficient ratings
- Inverter-rated
- Nameplated for 50 Hz operation
- 1-year warranty on standard efficient motors
- 2-year warranty on EPAct efficient motors
- 3-year warranty on premium efficient motors
- Class B insulation systems, Class F 140 frame and higher
- Shielded ball bearings for direct coupled applications
  contact your local sales office for belted load applications
- Rolled steel and cast iron designs
- UL recognized and CSA certified
- WATTSaver® e Premium efficient motors
- Ultimate e Premium efficient motors

NEMA Premium

Applications:
For use where water and dust exposure is minimal. Ideally suited for use on pumps, compressors, blowers, fans and other standard industrial applications.

LEESON Cast Iron WATTSaver e Motors	LEESON Ultimate e Motors
Standard Features	
3 HP - 250 HP	1.5 HP - 200 HP
N/C Thermostats	N/A
3-Year Warranty	3-Year Warranty
IRIS Inverter Insulation System	Standard Insulation System
10:1 Constant Torque Operation	10:1 Constant Torque Operation
Ring Terminals on Leads	N/A
TEFC Enclosure	TEFC Enclosure
ODP Enclosure	ODP Enclosure
Chemical Resistant Paint	Enamel Paint
Cast Iron Conduit Box	Stamped Steel Conduit Box
Options	
C-Face Kits	C-Face Kits
D-Flange Kits	N/A
Encoder Mounting Provisions	N/A
Blower Kit Option	N/A
F-2 Mounting by re-assembly	F-2 Mounting by re-assembly
213-5T and 254-6T Frame Brake Kits	N/A
Cast Iron Fan Guards	N/A
SGR mounting provisions	SGR mounting provisions

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LEESON®

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	S56	**E100027.00**	√	424	C4T17DH45	20	208-230/460	1.0	69.5	1.35	10.74	S, MX
1/4	1800	48	**LM34048**	√	439	SPD4B0.25T61	19	208-230/460	1.0	69.5	1.35	10.34	S, MX
1/3	3600	48	**E101447.00**	√	435	C4T34DB7	40	208-230/460	1.4	69.5	1.35	10.51	S, US
1/3	1800	48	**E100446.00**	√	456	C4T17DB17	22	208-230/460	1.2	73.4	1.35	11.12	S, MX
1/3	1800	S56	**E103017.00**	√	462	C4T17DH39	22	208-230/460	1.2	73.4	1.25	11.49	S, MX
1/3	1800	S56	**LM34049**	√	472	SRD4B0.33T61	23	208-230/460	1.2	73.4	1.25	11.22	S, MX
1/3	1200	56	**E110425.00**	√	722	C6T11DH2	23	208-230/460	1.6	71.4	1.15	10.37	S, US
1/2	3600	S56	**E101448.00**	√	468	C4T34DH7	30	208-230/460	1.8	73.4	1.25	10.89	S, US
1/2	1800	56	**LM34050**	√	500	SRD4B0.5T61	30	208-230/460	1.7	78.2	1.25	11.32	S, MX
1/2	1800	56	**E119351.00**	√	496	C6T17DB113	23	208-230/460	2.0	78.2	1.25	9.87	S, US
1/2	1200	56	**E110027.00**	√	762	C6T11DB22	21	208-230/460	2.2	75.3	1.15	10.87	S, US
3/4	3600	S56	**E101449.00**	D	477	C4T34DH8	20	208-230/460	2.4	76.8	1.25	9.74	S, US
3/4	1800	S56	**LM34051**	√	512	SRD4B0.75T61	30	208-230/460	2.6	81.1	1.25	11.32	S, MX
3/4	1800	56	**E116738.00**	√	502	C6T17DB95	27	208-230/460	2.4	81.5	1.25	10.87	S, US
3/4	1200	56	**E110028.00**	√	797	C6T11DB23	36	208-230/460	2.8	81.7	1.15	11.87	S, US
1	3600	56	**116128.00**	D	613	C6T34DB30	27	208-230/460	2.8	80.0	1.25	10.18	S, US
1	3600	56	**E110426.00**	√	485	C6T34DB1	21	208-230/460	3.2	77.0	1.25	9.87	S, US
1	1800	56	**LM34052**	√	597	SRD4B1T61	30	208-230/460	3.0	83.5	1.15	11.72	S, MX
1	1800	56HZ	**115827.00**	√	474	C6T17DB77	27	208-230/460	4.2	78.5	1.15	11.19	S, US, 5
1	1800	56HZ	**E115827.00**	√	614	C6T17DB117	37	208-230/460	3.2	83.5	1.15	12.19	S, US, 5
1	1800	56	**116752.00**	D	689	C6T17DB92	36	208-230/460	3.2	85.5	1.25	11.84	S, US
1	1800	56	**E116752.00**	√	689	C6T17DB92	35	208-230/460	3.2	83.5	1.25	12.12	S, US
1	1800	143T	**121003.00**	√	689	C143T17DB10	40	208-230/460	3.2	85.5	1.25	12.19	S, US
1	1800	143T	**LM24871**	√	569	SSD4B1T61	35	208-230/460	3.2	85.5	1.15	11.99	S, MX
1	1200	145T	**121517.00**	√	802	C145T11DB7	44	208-230/460	3.8	82.5	1.25	12.69	S, US
1 1/2	3600	56	**E116753.00**	√	682	C6T34DB31	36	208-230/460	4.0	84.0	1.25	11.87	S, US
1 1/2	3600	143T	**121514.00**	√	682	C143T34DB4	39	208-230/460	4.0	84.0	1.25	12.19	S, US
1 1/2	1800	56H	**LM34053**	√	730	SRD4B1.5T61	45	208-230/460	4.6	86.5	1.15	14.07	S, MX, 6
1 1/2	1800	56	**111309.00**	D	633	A6T17DB26	36	208-230/460	5.6	78.5	1.15	10.84	S, US, 33
1 1/2	1800	56HZ	**E115825.00**	√	719	C6T17DB114	42	208-230/460	4.8	86.5	1.15	13.19	S, US, 5
1 1/2	1800	56	**E116754.00**	√	719	C6T17DB91	40	208-230/460	4.8	86.5	1.25	12.87	S, US
1 1/2	1800	145T	**121004.00**	√	719	C145T17DB32	44	208-230/460	4.8	86.5	1.25	12.69	S, US
1 1/2	1800	145T	**LM24875**	√	595	SSD4B1.5T61	45	208-230/460	4.4	86.5	1.15	12.99	S, MX
1 1/2	1200	182T	**131971.00**	√	945	C182T11DB9	70	208-230/460	6.2	86.5	1.15	13.19	S , MX

Continued on next page

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Three Phase ODP Motors

General Purpose - Standard,
EPAct and Premium Efficient Motors

Ultimate *e*® Motors
see pages 50-52

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56H	**LM24877**	D	665	SRD2S2T61	25	208-230/460	6.2	80.0	1.15	10.44	S, US, 6
2	3600	56	**E116755.00**	√	804	C6T34DB32	41	208-230/460	4.8	85.5	1.25	12.87	S, US
2	3600	145T	**121515.00**	√	804	C145T34DB15	45	208-230/460	4.8	85.5	1.25	12.69	S, US
2	1800	56H	**LM34054**	C/A	829	SRD4B2T61	46	208-230/460	6.0	86.5	1.15	13.44	S, MX, 47
2	1800	56HZ	**115826.00**	√	545	C6T17DB78	36	208-230/460	6.2	78.5	1.15	11.63	S, US, 5
2	1800	56HZ	**E115826.00**	√	815	C6T17DB115	46	208-230/460	5.8	86.5	1.25	13.69	S, US, 5
2	1800	56H	**111310.00**	D	832	A6T17DB124	39	208-230/460	5.8	78.7	1.15	13.34	S, US, 6, 33
2	1800	56H	**E111310.00**	C/A	832	A6T17DB124	39	208-230/460	5.8	86.5	1.15	13.34	S, US, 6, 33
2	1800	56H	**E116756.00**	√	815	C6T17DB96	47	208-230/460	5.8	86.5	1.25	13.37	S, US, 6
2	1800	145T	**121005.00**	√	815	C145T17DB33	48	208-230/460	5.8	86.5	1.25	13.69	S, US
2	1800	145T	**LM24169**	√	659	SSD4BT61	48	208-230/460	6.0	86.5	1.25	13.00	S, MX
2	1200	184T	**131972.00**	√	960	C184T11DB9	81	208-230/460	6.8	87.5	1.15	14.19	S, MX
3	3600	56H	**E113293.00**	√	835	C6T34DB37	44	208-230/460	7.2	86.5	1.15	12.87	S, US, 6
3	3600	145T	**121516.00**	√	814	C145T34DB16	46	208-230/460	7.2	86.5	1.25	12.69	S, US
3	3600	145T	**LM32731**	√	741	SSD2B3T61	42	208-230/460	7.2	85.5	1.25	12.70	S, US
3	1800	56HZ	**116595.00**	√	650	C6T17DB90	47	208-230/460	8.6	82.5	1.15	13.13	S, US, 5
3	1800	182T	**131519.00**	√	833	C182T17DB37	77	208-230/460	8.0	89.5	1.25	13.19	S, MX
3	1800	182T	**LM24222**	√	858	SSD4B3T61	89	208-230/460	8.0	89.5	1.25	13.19	S, MX
3	1200	213T	**171574.60**	√	1,246	C213T11DB2	156	208-230/460	10.2	88.5	1.25	16.38	C, CN
5	3600	184T	**131986.00**	√	892	C184T34DB11	86	208-230/460	12.0	86.5	1.15	15.19	S, MX
5	1800	184T	**131520.00**	√	939	C184T17DB44	95	208-230/460	12.6	89.5	1.25	14.19	S, MX
5	1800	184T	**LM24202**	√	962	SSD4BT61	89	208-230/460	12.6	89.5	1.25	14.19	S, MX
5	1200	215T	**171575.60**	√	1,575	C215T11DB6	188	208-230/460	15.7	90.2	1.25	16.38	C, CN
7 1/2	3600	184T	**131988.00**	√	1,290	C184T34DB12	106	208-230/460	17.6	88.5	1.15	16.19	S, MX
7 1/2	1800	213T	**140470.00**	√	1,178	C213T17DB2	133	208-230/460	20.8	91.0	1.25	16.25	S, MX
7 1/2	1800	213T	**LM24194**	√	1,355	SSD4B7.5T61	158	208-230/460	19.2	91.0	1.25	18.54	S, US
7 1/2	1800	213T	**170142.60**	√	1,250	C213T17DB44	163	208-230/460	20.6	91.0	1.25	16.38	C, CN
7 1/2	1200	254T	**170145.60**	√	1973	C254T11DB43	291	208-230/460	23.4	91.7	1.25	20.94	C, CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient
"E" prefix items comply with SMR 2015

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
10	3600	213T	**140753.00**	√	1,359	C213T34DB4	160	208-230/460	23.4	89.5	1.15	17.30	S, MX
10	3600	213T	**LM32740**	√	1,436	SSD2B10T61	162	208-230/460	24.0	89.5	1.25	17.30	S, US
10	3600	213T	**170143.60**	√	1,446	C213T34DB45	153	208-230/460	23.6	91.0	1.15	16.38	C, CN
10	1800	215T	**140472.00**	√	1,392	C215T17DB15	144	208-230/460	26.8	91.7	1.25	17.25	S, MX
10	1800	215T	**LM24193**	√	1,514	SSDB10T61	156	208-230/460	25.0	91.7	1.25	18.54	S, US
10	1800	215T	**170144.60**	√	1,475	C215T17DB49	203	208-230/460	25.6	91.7	1.15	17.87	C, CN
10	1200	256T	**170146.60**	√	2,458	C256T11DB45	305	208-230/460	29.6	91.7	1.25	22.60	C, CN
15	3600	215T	**140754.00**	√	1,806	C215T34DB4	170	208-230/460	35.0	91.0	1.15	18.55	S, MX
15	3600	215T	**LM32743**	√	1,919	SSD2B15T61	170	208-230/460	35.0	90.2	1.25	18.54	S, MX
15	3600	215T	**170064.60**	√	1,943	C215T34DB3	178	208-230/460	34.6	91.0	1.25	17.87	C, CN
15	1800	254T	**170065.60**	√	1,963	C254T17DB9	289	208-230/460	37.0	93.0	1.15	20.94	C, CN
15	1800	254T	**LM24190**	√	2,258	CCD4B15T61	300	208-230/460	37.0	93.0	1.25	22.87	C, US
15	1200	284T	**170067.60**	√	3,237	C284T11DB7	445	208-230/460	39.4	92.4	1.25	23.54	S,CN
20	3600	254T	**170032.60**	√	2,439	C254T34DB5	285	208-230/460	46.0	93.0	1.15	20.94	C, CN
20	1800	256T	**170006.60**	√	2,398	C256T17DB5	334	208-230/460	51.0	93.0	1.15	22.60	C, CN
20	1800	256T	**LM24199**	√	2,604	CCD4B20T61	350	208-230/460	48.0	93.0	1.25	24.37	C, US
20	1800	286T	**LM32746**	√	3,567	SSD4B20T61	233	208-230/460	48.0	93.0	1.25	25.18	S, US
20	1200	286T	**170000.60**	√	3,997	C286T11DB1	467	208-230/460	55.0	92.4	1.15	25.00	C, CN
25	3600	256T	**170034.60**	√	3,027	C256T34DB5	325	208-230/460	52.4	93.0	1.15	22.60	C, CN
25	1800	284T	**170009.60**	√	3,027	C284T17DB7	414	208-230/460	59.6	93.6	1.15	23.50	C, CN
25	1800	284T	**LM29576**	√	3,369	CCD4B25T61Y	435	208-230/460	64.0	93.6	1.25	24.94	C, US
25	1800	284TS	**LM32748**	C/A	3,369	CCD4B25TS61Y	435	208-230/460	64.0	93.6	1.25	23.57	C, US
25	1200	324T	**170002.60**	√	4,760	C324T11DB5	670	208-230/460	67.0	93.0	1.15	26.02	C, CN
30	3600	284TS	**170036.60**	√	3,515	C284T34DB4	406	208-230/460	67.0	94.1	1.15	22.17	C, CN
30	3600	284T	**LM32687**	C/A	6,528	SD2B30T61Y	365	208-230/460	67.0	91.7	1.25	23.00	S, US
30	1800	286T	**170013.60**	√	3,281	C286T17DB8	490	208-230/460	71.0	94.1	1.15	25.00	C, CN
30	1800	286T	**LM29577**	√	3,905	CCD4B30T61Y	491	208-230/460	74.0	94.1	1.25	26.81	C, US
30	1800	286TS	**LM32749**	C/A	3,905	CCD4B39TS61Y	423	208-230/460	73.0	94.1	1.25	25.44	C, US
30	1200	326T	**170004.60**	√	4,964	C326T11DB1	760	208-230/460	78.0	93.6	1.15	27.52	C, CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase ODP Motors

General Purpose - Standard,
EPAct and Premium Efficient Motors

Ultimate *e*® Motors
see pages 50-52

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
50	1800	326T	**170021.60**	√	5,222	C326T17DB5	660	208-230/460	118.0	94.5	1.15	27.52	C, CN
50	1800	326T	**LM13813**	√	8,437	SD4B50T61Y	522	208-230/460	131.0	95.0	1.25	27.32	S, US
50	1800	326TS	**LM32674**	√	8,437	SD4B50T61Y	522	208-230/460	131.0	94.5	1.25	25.82	S, US
50	1200	365T	**170148.60**	√	8,096	C365T11DB1	918	208-230/460	128.0	94.5	1.15	32.72	C, CN
60	3600	326TS	**170042.60**	√	6,747	C326T34DB5	600	208-230/460	136.0	94.1	1.25	26.02	C, CN
60	3600	326TS	**LM13814**	C/A	7,686	SD2B60TS61Y	522	208-230/460	136.0	94.5	1.25	25.82	S, US
60	3600	326T	**LM32682**	C/A	7,686	SDB60T61Y	522	208-230/460	136.0	93.6	1.25	27.32	S, US
60	1800	364T	**170025.60**	√	5,750	C364T17DB7	1115	208-230/460	139.0	94.1	1.15	31.54	C, CN
60	1800	364T	**LM14813**	√	11,418	SD4B60T61Y	712	208-230/460	140.0	95.0	1.25	28.40	S, US
60	1800	364TS	**LM32753**	C/A	11,418	SD4B60TS61Y	712	208-230/460	140.0	95.0	1.25	26.27	S, US
60	1200	404T	**170149.60**	√	8,962	C404T11DB5	1226	208-230/460	159.0	94.5	1.25	32.76	C, CN
75	3600	364TS	**170044.60**	√	8,915	C364T34DB3	1005	208-230/460	170.0	94.1	1.15	29.41	C, CN
75	3600	364TS	**LM14812**	C/A	12,412	SD2B75TS61Y	712	208-230/460	164.0	94.5	1.25	29.77	S, US
75	3600	364T	**LM32754**	C/A	12,412	SD2B75T61Y	712	208-230/460	164.0	93.6	1.25	28.40	S, US
75	1800	365T	**170029.60**	√	7,090	C365T17DB5	1093	208-230/460	174.0	94.5	1.15	31.54	C, CN
75	1800	365T	**LM14815**	C/A	11,622	SD4B75T61Y	763	208-230/460	176.0	95.0	1.25	29.40	S, US
75	1800	365TS	**LM32755**	√	11,622	SD4B75TS61Y	763	208-230/460	180.0	95.0	1.25	27.27	S, US
75	1200	405T	**170150.60**	√	10,621	C405T11DB6	1275	208-230/460	199.0	94.5	1.25	34.25	C, CN
100	3600	365TS	**170151.60**	√	10,078	C365T34DB4	1078	208-230/460	226.0	94.5	1.15	29.10	C, CN
100	3600	365TS	**LM14814**	C/A	11,224	SD2B100TS61Y	763	208-230/460	220.0	95.0	1.25	27.27	S, US
100	3600	365T	**LM32756**	C/A	11,224	SD2B100T61Y	763	208-230/460	220.0	93.6	1.25	29.40	S, US
100	1800	404T	**170152.60**	√	9,701	C404T17DB5	1183	208-230/460	225.0	95.4	1.25	36.42	C, CN
100	1800	405T	**LM13943**	√	12,799	SD4B100T61Y	882	208-230/460	244.0	95.4	1.25	33.31	S, US
100	1800	404TS	**LM32757**	√	12,799	SD4B100TS61Y	882	208-230/460	260.0	95.4	1.25	29.18	S, US
100	1200	444T	**170269.60**	√	12,546	C444T11DB4	2604	460	118 *	95.4	1.25	40.00	C, CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient
▼ LM Numbers are Lincoln Models
C/A - Check Availability
*Amps at 460 volts

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
125	3600	404TS	**170154.60**	√	11,650	C404T34DB1	1585	208-230/460	284	94.5	1.25	29.80	C, CN
125	3600	404TS	**LM13942**	C/A	13,631	SD2B125TS61Y	882	208-230/460	276	95.0	1.25	29.20	S, US
125	3600	404T	**LM32758**	C/A	13,631	SD2B125T61Y	882	208-230/460	276	94.1	1.25	32.00	S, US
125	1800	405T	**170155.60**	√	12,277	C405T17DB6	1292	208-230/460	280	95.4	1.25	34.30	C, CN
125	1800	405TS	**LM32759**	C/A	12,946	SD4B125TS61Y	958	208-230/460	306	95.4	1.25	30.70	S, US
125	1200	445T	**170259.60**	√	16,308	C445T11DB4	2200	460	148 *	95.8	1.25	40.00	C, CN
150	3600	405TS	**171449.60**	√	14,373	C405T34DB2	1173	460	169 *	94.5	1.15	31.30	C, CN
150	1800	444T	**171522.60**	√	14,498	C444T17DB2	2150	460	164 *	95.8	1.15	40.00	C, CN
150	1800	444T	**LM13817**	√	16,586	SD4B150T64Y	1277	460	170 *	95.8	1.25	37.40	S, US
150	1800	444TS	**LM32760**	√	16,586	SD4B150TS64Y	277	460	170 *	95.8	1.25	33.50	S, US
150	1200	445T	**171576.60**	√	17,495	C445T11DB5	2153	460	178 *	95.8	1.25	40.00	C, CN
200	3600	444TS	**171573.60**	√	19,115	C444T35DB1	1765	460	216 *	95.4	1.25	36.30	C, CN
200	1800	445T	**171523.60**	√	16,720	C445T17DB14	2037	460	220 *	95.8	1.25	40.00	C, CN
200	1800	445T	**LM13820**	√	20,399	SD4B200T64Y	1438	460	233 *	96.2	1.25	39.40	S, US
200	1800	445TS	**LM32761**	√	20,399	SD4B200TS64Y	1449	460	233 *	96.2	1.25	35.50	S, US
200	1200	447T	**171577.60**	√	22,998	C447T11DB1	2750	460	239 *	96.2	1.25	48.50	C, CN
200	1200	449T	**LM16239**	√	22,871	SDB200T64Y	2112	460	255 *	95.8	1.15	47.90	S, US
250	3600	445TS	**LM13761**	D	23,813	SD2P250TS64Y	1438	460	266 *	94.5	1.15	35.50	S, US
250	3600	445TS	**LM13822**	√	29,777	SD2B250TS64Y	1438	460	267 *	95.8	1.15	35.50	S, US
250	1800	445T	**G151524.60**	D	18,767	C445T17DB10	1940	460	284 *	95.8	1.15	40.00	C, CN
250	1800	445T	**171524.60**	√	18,767	C445T17DB19	1940	460	284 *	95.8	1.15	40.00	C, CN
250	1800	445T	**LM13762**	D	21,964	SD4P250T64Y	1438	460	293 *	95.4	1.15	39.40	S, US
250	1800	447T	**LM16235**	C/A	28,354	SD4B250T64Y	1745	460	284 *	95.8	1.15	42.93	S, US
300	3600	447TS	**LM13825**	C/A	35,079	SD2B300TS64Y	1745	460	316 *	96.2	1.15	39.00	S, US
300	3600	447TS	**LM13764**	C/A	27,780	SD2P300TS64Y	1745	460	316 *	95.4	1.15	39.00	S, US
300	1800	447T	**LM13765**	D	23,189	SD4P300T64Y	1745	460	349 *	95.4	1.15	42.90	S, US
300	1800	447T	**LM13826**	√	29,564	SD4B300T64Y	1745	460	348 *	95.8	1.15	42.90	S, US
300	1800	447TS	**LM22758**	D	23,189	SD4P300TS64Y	1745	460	349 *	95.4	1.15	39.00	S, US
300	1800	447TS	**LM32143**	C/A	26,072	SD4B300TS64Y	1775	460	348 *	95.8	1.15	39.00	S, US
300	1800	445T	**G151525.60**	D	21,530	C445T17DB11	2345	460	329 *	95.8	1.15	40.00	C, CN
300	1800	445T	**171525.60**	√	21,530	C445T17DB20	2345	460	329 *	95.8	1.15	40.00	C, CN
350	3600	447TS	**LM13767**	√	31,444	SD2P350TS64Y	1745	460	369 *	95.4	1.15	39.00	S, US
350	3600	449TS	**LM16226**	D	33,021	SD2P350TS64Y	2112	460	370 *	95.0	1.15	44.00	S, US
350	3600	449TS	**LM16237**	C/A	41,693	SD2B350TS64Y	2112	460	368 *	95.8	1.15	44.00	S, US
350	1800	447TS	**LM15159**	D	26,685	SD4P350TS64Y	1745	460	406 *	95.4	1.00	39.00	S, US
350	1800	447TS	**LM34097**	√	32,162	SD4B350TS64Y		460	405 *	95.8	1.00	39.00	S, US
350	1800	447T	**G151518.60**	D	23,762	C447T17DB9	2041	460	392 *	95.8	1.15	40.00	C, CN
350	1800	447T	**171518.60**	√	23,762	C447T17DB10	2041	460	392 *	95.8	1.15	40.00	C, CN
400	3600	449TS	**LM13770**	D	35,572	SD2P400TS64Y	2112	460	420 *	95.4	1.15	44.00	S, US
400	3600	449TS	**LM13831**	C/A	45,899	SD2B400TS64Y	2112	460	430 *	95.8	1.15	44.00	S, US
400	1800	449T	**LM13771**	D	33,338	SD4P400T64Y	2112	460	460 *	95.8	1.15	47.90	S, US
400	1800	449T	**LM13832**	C/A	44,540	SD4B400T64Y	2112	460	445 *	96.2	1.15	47.90	S, US
400	1800	449TS	**LM22759**	C/A	33,338	SD4B400TS64Y	2112	460	460 *	95.8	1.15	44.00	S, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability
*Amps at 460 volts

Three Phase C Face Motors
Drip-Proof - General Purpose

Ultimate *e*® Motors
see pages 50-52

Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	**103014.00**	D	329	C4T17DC47	19	208-230/460	1.4	58.0	1.35	9.24	S, MX
1/3	1800	S56C	**E103014.00**	√	426	C4T17DC55	20	208-230/460	1.0	69.5	1.35	10.74	S, MX
1/3	3600	S56C	**E100375.00**	√	442	C4T34DC45	19	208-230/460	1.4	69.5	1.35	11.04	S, US
1/3	1800	S56C	**100048.00**	D	362	C4T17DC1	17	208-230/460	1.6	64.3	1.35	9.49	S, MX
1/3	1800	S56C	**102695.00**	D	456	C4T17DC45	22	208-230/460	1.3	77.0	1.25	11.49	S, MX
1/3	1800	S56C	**E102695.00**	√	456	C4T17DC45	22	208-230/460	1.2	77.0	1.25	11.49	S, MX
1/2	3600	S56C	**E100056.00**	√	477	C4T34DC46	19	208-230/460	1.8	73.4	1.25	11.04	S, US
1/2	1800	56C	**E119352.00**	√	515	C6T17DC97	29	208-230/460	2.0	78.2	1.25	9.87	S, US
1/2	1200	56C	**E110434.00**	√	777	C6T11DC12	29	208-230/460	2.2	75.3	1.15	10.87	S, US
3/4	3600	S56C	**E100378.00**	√	482	C4T34DC3	20	208-230/460	2.4	79.0	1.25	9.74	S, US
3/4	1800	56C	**E114934.00**	√	522	C6T17DC68	29	208-230/460	2.4	81.5	1.25	10.87	S, US
3/4	1200	143TC	**120063.00**	√	671	C143T11DC1	20	208-230/460	3.4	80.0	1.15	12.12	S, US
3/4	1200	56C	**E116728.00**	√	814	C6T11DC13	36	208-230/460	2.8	81.7	1.15	11.87	S, US
1	3600	56C	**110111.00**	√	492	C6T34DC7	22	208-230/460	3.2	77.0	1.25	9.87	S, US
1	3600	56C	**E110111.00**	√	492	C6T34DC7	22	208-230/460	3.2	77.0	1.25	9.87	S, US
1	1800	143TC	**G120172.00**	D	575	C143T17DC13	30	208-230/460	3.1	82.5	1.15	11.68	S, US
1	1800	143TC	**121064.00**	C/A	757	C143T17DC12	32	208-230/460	3.2	85.5	1.25	12.12	S, US
1	1800	56C	**116740.00**	D	757	C6T17DC80	32	208-230/460	3.2	85.5	1.25	12.12	S, US
1	1800	56C	**E116740.00**	√	757	C6T17DC80	32	208-230/460	3.2	85.5	1.25	12.12	S, US
1	1200	145TC	**G120082.00**	D	792	C145T11DC5	35	208-230/460	3.6	80.0	1.15	12.62	S, US
1	1200	145TC	**122162.00**	√	808	C145T11DC6	41	208-230/460	3.9	82.5	1.15	9.87	S, US
1 1/2	3600	143TC	**G121668.00**	D	626	C143T34DC5	35	208-230/460	4.4	82.5	1.50	11.78	S, US
1 1/2	3600	143TC	**122214.00**	√	746	C143T34DC10	41	208-230/460	4.4	84.0	1.15	10.19	S, US
1 1/2	3600	56C	**E110437.00**	√	737	C4T34DC48	35	208-230/460	4.0	84.0	1.25	11.87	S, US
1 1/2	1800	145TC	**G120081.00**	D	616	C145T17DC42	37	208-230/460	4.4	84.0	1.15	12.12	S, US
1 1/2	1800	145TC	**121063.00**	C/A	790	C145T17DC30	36	208-230/460	4.8	86.5	1.25	13.12	S, US
1 1/2	1800	56C	**116741.00**	D	790	C6T17DC81	36	208-230/460	4.8	86.5	1.25	12.87	S, US
1 1/2	1800	56C	**E116741.00**	√	790	C6T17DC81	36	208-230/460	4.8	86.5	1.25	12.87	S, US
1 1/2	1200	182TC	**G132250.00**	D	828	C182T11DC4	60	208-230/460	5.7	84.0	1.15	12.70	S, MX

Continued on next page

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	143TC	**122164.00**	√	819	C143T34DC9	47	208-230/460	4.8	85.5	1.15	12.69	S, US
2	3600	56C	**E113894.00**	√	819	C6T34DC104	41	208-230/460	4.8	85.5	1.25	12.87	S, US
2	1800	145TC	**121071.00**	√	901	C145T17DC31	41	208-230/460	5.8	86.5	1.25	13.62	S, US
2	1800	56C	**116742.00**	D	889	C6T17DC82	41	208-230/460	5.8	86.5	1.25	13.18	S, US
2	1800	56C	**E116742.00**	√	889	C6T17DC82	41	208-230/460	5.8	86.5	1.25	13.37	S, US
2	1200	184TC	**132427.00**	C/A	960	C182T11DC112	85	208-230/460	7.2	88.5	1.15	15.20	S, MX
3	3600	145TC	**LM32793**	D	837	SSD2P3TCN61	33	208-230/460	7.6	84.0	1.15	11.99	S, US
3	3600	145TC	**122163.00**	√	859	C145T34DC17	49	208-230/460	7.2	85.5	1.15	12.69	S, US
3	3600	56C	**E114420.00**	√	851	C6T34DC105	45	208-230/460	7.2	85.5	1.25	12.87	S, US
3	1800	182TC	**G131489.00**	D	779	C182T17DC28	57	208-230/460	8.4	86.5	1.15	12.69	S, MX
3	1800	182TC	**131518.00**	C/A	953	C182T17DC20	75	208-230/460	7.8	89.5	1.25	13.20	S, MX
5	3600	145TC	**G121664.00**	D	762	C145T34DC11	47	208-230/460	12.4	85.5	1.15	13.75	S, US
5	3600	182TC	**132426.00**	√	877	C182T34DC111	67	208-230/460	12.4	86.5	1.15	13.20	S ,MX
5	1800	184TC	**G131490.00**	D	819	C184T17DC27	69	208-230/460	13.2	87.5	1.15	13.69	S, MX
5	1800	184TC	**131517.00**	√	1,120	C184T17DC16	96	208-230/460	12.8	89.5	1.25	15.20	S ,MX
7 1/2	3600	184TC	**G131780.00**	D	1,169	C184T34DC9	78	208-230/460	17.6	87.5	1.15	14.70	S, MX
7 1/2	3600	184TC	**132425.00**	√	1,320	C184T34DC110	85	208-230/460	17.8	88.5	1.15	14.70	S, MX
7 1/2	1800	213TC	**140483.00**	√	1,240	C213T17DC7	132	208-230/460	20.6	91.0	1.25	16.25	S, MX
10	3600	213TC	**G140688.00**	D	1,333	C213T34DC1	138	208-230/460	23.4	88.5	1.15	16.53	S, MX
10	3600	213TC	**141228.00**	√	1,453	C215T34DC69	145	208-230/460	24.2	90.2	1.15	18.03	S, MX
10	1800	215TC	**G140108.00**	D	1,334	C215T17DC8	132	208-230/460	28.0	89.5	1.15	16.75	S, MX
10	1800	215TC	**140485.00**	C/A	1,401	C213T17DC5	144	208-230/460	26.8	91.9	1.25	17.25	S, MX
15	3600	215TC	**141229.00**	√	1,876	C215T34DC70	148	208-230/460	36.5	91.0	1.15	19.28	S, MX
15	1800	254TC	**G151682.60**	D	1,953	C254T17DC7	265	208-230/460	37.6	91.0	1.15	21.32	C, CN
15	1800	254TC	**171682.60**	√	2,114	C254T17DC8	280	208-230/460	37.0	93.0	1.15	20.94	C, CN
20	3600	254TC	**171683.60**	√	2,647	C254T34DC4	280	208-230/460	46.6	91.0	1.15	20.94	C, CN
20	1800	256TC	**G151684.60**	D	2,386	C256T17DC5	307	208-230/460	48.0	91.0	1.15	23.03	C, CN
20	1800	256TC	**171684.60**	√	2,639	C256T17DC6	340	208-230/460	51.0	93.0	1.15	22.60	C, CN
25	3600	256TC	**G151685.60**	D	2,731	C256T34DC2	292	208-230/460	57.0	91.0	1.15	22.60	C, CN
25	3600	256TC	**171685.60**	√	3,246	C256T34DC3	383	208-230/460	57.0	92.5	1.15	23.03	C, CN
25	1800	284TC	**G151686.60**	D	2,908	C284T17DC2	388	208-230/460	59.6	91.7	1.15	23.54	C, CN
25	1800	284TC	**171686.60**	√	3,300	C284T17DC3	404	208-230/460	59.6	93.6	1.15	23.54	C, CN
30	3600	284TSC	**G151687.60**	D	3,185	C284T34DC2	373	208-230/460	70.4	91.0	1.15	25.00	C, CN
30	3600	284TSC	**171687.60**	√	3,578	C284T34DC3	406	208-230/460	67.0	94.1	1.15	25.00	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

"E" prefix items comply with SMR 2015

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase C Face Motors
Drip-Proof - General Purpose

Ultimate *e*® Motors
see pages 50-52

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	S56C	**100599.00**	D	413	C4T17DK1	18	208-230/460	1.6	64.3	1.35	9.49	S, MX
1/3	1800	S56C	**LM24277**	D	392	SRDAS0.33TC61	15	208-230/460	2.2	67.0	1.35	9.80	S, MX
1/3	1800	S56C	**E103021.00**	C/A	478	C4T17DK9	23	208-230/460	1.3	77.0	1.25	11.49	S, MX
1/2	3600	S56C	**E100600.00**	√	507	C4T34DK18	27	208-230/460	0.9	78.2	1.25	11.04	S, US
1/2	1800	56C	**E119353.00**	√	529	C6T17DK40	26	208-230/460	1.0	78.2	1.25	9.87	S, US
3/4	3600	S56C	**E102971.00**	√	511	C4T34DK9	21	208-230/460	2.4	79.0	1.25	9.74	S, US
3/4	1800	S56C	**LM34055**	√	533	SRD4B0.75TC61	29	208-230/460	1.3	81.1	1.25	11.55	S, MX
3/4	1800	56C	**E116762.00**	√	535	C6T17DK30	30	208-230/460	2.4	81.5	1.25	10.87	S, US
1	3600	56C	**E116784.00**	C/A	516	C6T34DK16	23	208-230/460	3.2	77.0	1.15	9.87	S, US
1	1800	S56C	**LM34056**	√	777	SRD4B1TC61	34	208-230/460	1.5	83.5	1.15	12.19	S, MX
1	1800	56C	**E116763.00**	√	766	C6T17DK33	33	208-230/460	3.4	85.5	1.25	12.12	S, US
1	1800	143TC	**121935.00**	C/A	704	C143T17DK6	34	208-230/460	3.2	85.5	1.25	12.12	S, US
1 1/2	3600	56C	**116785.00**	D	610	C6T34DK17	28	208-230/460	4.2	81.5	1.15	10.84	S, US
1 1/2	3600	56C	**E116785.00**	√	752	C6T34DK20	35	208-230/460	4.0	84.0	1.25	11.87	S, US
1 1/2	1800	56HC	**LM34057**	√	809	SRD4B1.5TC61	34	208-230/460	2.3	86.5	1.15	13.50	S, US, 6
1 1/2	1800	56C	**110902.00**	D	638	C6T17DK4	29	208-230/460	5.6	78.5	1.15	10.88	S, US
1 1/2	1800	56C	**E116764.00**	C/A	792	C6T17DK32	37	208-230/460	5.6	86.5	1.15	12.87	S, US
1 1/2	1800	145TC	**121675.00**	C/A	792	C145T17DK22	37	208-230/460	5.6	86.5	1.25	13.12	S, US
2	3600	56C	**E114218.00**	√	831	C6T34DK25	41	208-230/460	4.8	85.5	1.15	12.87	S, US
2	1800	56HC	**LM34058**	√	904	SRD4B2TC61	42	208-230/460	3.0	86.5	1.25	13.44	S, US, 6
2	1800	56HC	**E116765.00**	√	896	C6T17DK31	42	208-230/460	5.8	86.5	1.25	13.37	S, US, 6
2	1800	145TC	**121676.00**	√	896	C145T17DK21	42	208-230/460	5.8	86.5	1.25	13.62	S, US
2	1800	145TC	**121676.00**	√	896	C145T17DK21	42	230/460	5.8	86.5	1.25	13.62	S, US
3	3600	145TC	**121928.00**	C/A	825	C145T34DK16	45	208-230/460	7.2	85.5	1.25	13.76	S, US
3	1800	182TC	**132081.00**	√	970	C182T17DK17	76	208-230/460	7.8	89.5	1.25	14.20	S, MX
5	3600	182TC	**132242.00**	√	892	C184T34DK20	92	208-230/460	12.2	86.5	1.15	15.19	S, MX
5	1800	184TC	**132082.00**	√	1,137	C184T17DK26	97	208-230/460	12.8	89.5	1.25	15.20	S, MX
7 1/2	3600	184TC	**132244.00**	√	1,347	C184T34DK21	106	208-230/460	17.6	88.5	1.15	16.19	S, MX
7 1/2	1800	213TC	**140767.00**	C/A	1,250	C213T17DK7	132	208-230/460	20.8	91.0	1.25	16.25	S, MX
7 1/2	1800	213TC	**170170.60**	√	1,214	C213T17DK15	165	208-230/460	19.8	91.0	1.15	16.38	C, CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availablity

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V.	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
10	3600	213TC	**141111.00**	√	1,494	C213T34DK6	160	208-230/460	23.4	89.5	1.15	17.30	S, MX
10	3600	213TC	**LM32778**	C/A	1,573	SSD2B10TC61	138	208-230/460	26.8	89.5	1.25	17.25	S, MX
10	3600	213TC	**170171.60**	√	1,621	C213T3DK7	195	208-230/460	27.6	89.5	1.15	16.38	C, CN
10	1800	215TC	**140768.00**	√	1,418	C215T17DK6	144	208-230/460	26.8	91.9	1.25	17.25	S, MX
10	1800	215TC	**LM32649**	√	1,635	SSD4B10TC61	138	208-230/460	25.0	91.7	1.25	19.28	S, MX
10	1800	215TC	**170172.60**	√	1,587	C215T17DK13	200	208-230/460	25.6	91.7	1.15	18.62	C, CN
15	3600	215TC	**170173.60**	√	2,239	C215T34DK9	200	208-230/460	34.6	90.2	1.15	17.87	C, CN
15	3600	215TC	**141119.00**	√	1,930	C215T34DK3	170	208-230/460	35.0	91.0	1.15	18.55	S, MX
15	1800	254TC	**170175.60**	√	2,266	C254T17DK7	280	208-230/460	37.0	93.0	1.15	20.94	C, CN
15	1800	254TC	**LM32781**	C/A	2,569	CCD4B15TC61	326	208-230/460	37.0	93.6	1.25	23.31	C, US
20	3600	254TC	**170070.60**	√	2,707	C254T34DK6	280	208-230/460	46.6	91.0	1.15	20.94	C, CN
20	1800	256TC	**170071.60**	√	2,757	C256T17DK6	340	208-230/460	51.0	93.0	1.15	22.60	C, CN
20	1800	286TC	**LM32783**	√	3,812	SSD4B20TC61	233	208-230/460	48.0	93.0	1.25	29.19	S, US
25	3600	256TC	**171688.60**	√	3,388	C256T34DK6	383	208-230/460	57	92.5	1.15	23.03	C, CN
25	1800	284TC	**170073.60**	√	3,483	C284T17DK4	404	208-230/460	59.6	93.6	1.15	23.54	C, CN
25	1800	284TSC	**LM32785**	√	3,693	CCD4B25TSC61Y	447	208-230/460	62	93.6	1.25	23.57	C, US
25	1200	324TC	**LM14535**	C/A	5,933	SD6B25TC61Y	479	208-230/460	65	93.0	1.25	28.00	S, US
30	3600	284TSC	**LM17382**	√	6,062	SD2B30TSC61Y	355	208-230/460	67	93.0	1.25	21.78	S, US
30	1800	286TC	**171377.60**	√	3,987	C286T17DK5	471	208-230/460	71	94.1	1.15	25.00	C, CN
30	1800	286TSC	**LM32786**	C/A	4,278	CCD4B30TSC61Y	400	208-230/460	74	94.1	1.25	25.44	C, US
40	3600	286TSC	**LM17384**	C/A	7,922	SD2B40TSC61Y	406	208-230/460	90	93.6	1.25	23.28	S, US
40	1800	324TC	**170378.60**	√	5,053	C324T17DK10	560	208-230/460	96	94.1	1.15	26.02	C, CN
40	1800	324TC	**LM13837**	C/A	8,616	SD4B40TC61Y	479	208-230/460	103	94.1	1.25	25.91	S, US
50	3600	324TSC	**LM13838**	√	7,963	SD2B50TSC61Y	479	208-230/460	110	94.1	1.25	24.41	S, US
50	1800	326TC	**170379.60**	√	5,985	C326T17DK4	614	208-230/460	118	94.5	1.15	27.52	C, CN
50	1800	326TC	**LM13839**	√	8,620	SD4B50TC61Y	479	208-230/460	130	94.5	1.25	27.41	S, US
50	1800	326TSC	**LM32655**	√	8,620	SD4B50TSC61Y	532	208-230/460	131	94.5	1.25	25.91	S, US
60	3600	326TSC	**LM13840**	C/A	7,670	SD2B60TSC61Y	535	208-230/460	136	93.6	1.25	25.91	S, US
60	1800	364TC	**171689.60**	√	7,512	C364T17DK2	716	208-230/460	139	95.0	1.15	28.01	C, CN
60	1800	364TSC	**LM32787**	√	11,547	SD4B60TSC61Y	724	208-230/460	140	94.5	1.25	28.35	S, US
60	1800	364TC	**LM15570**	C/A	11,547	SD4B60TC61Y	724	208-230/460	140	95.0	1.25	28.35	S, US
75	3600	364TSC	**LM15569**	√	12,240	SD2B75TSC61Y	724	208-230/460	164	95.0	1.25	26.27	S, US
75	1800	365TC	**171690.60**	√	9,123	C365T17BK2	766	208-230/460	172	95.0	1.15	31.18	C, CN
75	1800	365TSC	**LM32656**	√	11,509	SD4B75TSC61Y	775	208-230/460	176	95.0	1.25	27.27	S, US
100	3600	365TSC	**LM15572**	C/A	12,574	SD2B100TSC61Y	775	208-230/460	110	95.4	1.25	27.27	S, US
100	1800	404TC	**171691.60**	√	11,612	C404T17DK2	1141	208-230/460	225	95.4	1.15	32.76	C, CN
100	1800	404TSC	**LM32788**	√	12,421	SD4B100TSC1Y	898	208-230/460	130	95.4	1.25	29.16	S, US
125	3600	404TSC	**LM17388**	C/A	16,101	SD2B125TSC61Y	898	208-230/460	138	95.0	1.25	29.16	S, US
125	1800	405TSC	**LM32657**	√	12,967	SD4B125TSC61Y	974	208-230/460	153	95.4	1.25	30.66	S, US
125	1800	405TC	**LM17389**	C/A	12,967	SD4B125TC61Y	974	208-230/460	153	95.4	1.25	33.66	S, US
150	3600	405TSC	**LM17390**	C/A	18,950	SD2B150TSC61Y	974	208-230/460	169	94.1	1.25	30.66	S, US
150	1800	444TSC	**LM32789**	√	16,614	SD4B150TSC64Y	1298	460	170 *	95.8	1.25	33.50	S, US
200	3600	444TSC	**LM13795**	C/A	23,226	SD2B200TSC64Y	1298	460	216 *	95.8	1.25	33.50	S, US
200	1800	445TSC	**LM32677**	√	20,443	SD4B200TSC64Y	1470	460	233 *	96.2	1.25	35.50	S, US

Shaded model numbers are cast iron frame

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
*F.L. Amps at 460V
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Ultimate e® Series General Purpose Motors

Drip-Proof - General Purpose

Features:

- Meets or exceeds NEMA® Premium efficiencies
- 182T - 215T Models are rolled steel frame - also available through 286T frame
- Class F insulation
- Standard assembly F1, reversible to F2 by reassembly, 213T frame and higher
- UL Recognized, CSA Certified, CE Mark
- Three year warranty

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1200	182T	**199685.00**	√	769	C182T11DB10	70	208-230/460	4.4	86.5	1.15	13.72	S, CN
2	1200	184T	**199686.00**	√	782	C184T11DB10	82	208-230/460	5.8	87.5	1.15	14.72	S, CN
3	1800	182T	**199687.00**	√	679	C182T17DB62	76	208-230/460	7.6	90.2	1.15	13.72	S, CN
3	1200	213T	**199688.00**	D	1,072	C213T11DB12	135	208-230/460	8.8	87.5	1.15	17.52	S, CN
3	1200	213T	**B199688.00**	√	1,072	C213T11DB13	130	208-230/460	8.6	87.5	1.15	17.52	S, CN
5	3600	182T	**199689.00**	√	716	C182T34DB8	68	208-230/460	12.4	87.5	1.15	13.72	S, CN
5	1800	184T	**199690.00**	√	765	C184T17DB84	86	208-230/460	12.8	89.5	1.15	14.72	S, CN
5	1200	215T	**199691.00**	D	1,248	C215T11DB10	195	208-230/460	14.0	89.5	1.15	17.52	S, CN
5	1200	215T	**B199691.00**	√	1,248	C215T11DB11	193	208-230/460	14.0	89.5	1.15	17.52	S, CN
7 1/2	3600	184T	**199692.00**	√	881	C184T34DB17	87	208-230/460	18.0	88.5	1.15	14.72	S, CN
7 1/2	1800	213T	**199693.00**	D	989	C213T17DB49	128	208-230/460	19.0	91.7	1.15	17.52	S, CN
7 1/2	1800	213T	**B199693.00**	√	989	C213T17DB50	128	208-230/460	19.3	91.7	1.15	17.52	S, CN
7 1/2	1200	254T	**199694.00**	D	1,561	C254T11DB46	255	208-230/460	21.0	90.2	1.15	22.64	C, CN
7 1/2	1200	254T	**B199694.00**	√	1,561	C254T11DB47	230	208-230/460	20.2	90.2	1.15	22.64	S, CN
10	3600	213T	**199695.00**	D	1,130	C213T34DB48	125	208-230/460	23.0	89.5	1.15	17.52	S, CN
10	3600	213T	**B199695.00**	√	1,130	C213T34DB49	125	208-230/460	24.0	89.5	1.15	17.52	S, CN
10	1800	215T	**199696.00**	D	1,168	C215T17DB58	150	208-230/460	25.6	91.7	1.15	17.52	S, CN
10	1800	215T	**B199696.00**	√	1,168	C215T17DB59	210	208-230/460	24.9	91.7	1.15	17.52	S, CN
10	1200	256T	**199697.00**	D	1,946	C256T11DB48	305	208-230/460	27.6	91.7	1.15	24.22	C, CN
10	1200	256T	**B199697.00**	√	1,848	C256T11DB49	285	208-230/460	25.5	91.7	1.15	24.22	S, CN
15	3600	215T	**199698.00**	D	1,655	C215T34DB6	184	208-230/460	35.0	91.0	1.15	17.52	S, CN
15	3600	215T	**B199698.00**	√	1,655	C215T34DB7	184	208-230/460	35.8	91.0	1.15	17.52	S, CN
15	1800	254T	**199699.00**	D	1,893	C254T17DB46	310	208-230/460	36.5	93.0	1.15	22.64	C, CN
15	1800	254T	**B199699.00**	√	1,799	C254T17DB47	285	208-230/460	36.8	93.0	1.15	22.64	S, CN
15	1200	284T	**199700.00**	D	2,562	C284T11DB9	414	208-230/460	40.0	91.7	1.15	25.71	C, CN
15	1200	284T	**B199700.00**	√	2,435	C284T11DB10	395	208-230/460	40.3	91.7	1.15	22.64	S, CN
20	3600	254T	**199701.00**	D	1,907	C254T34DB6	300	208-230/460	45.0	91.7	1.15	22.64	C, CN
20	3600	254T	**B199701.00**	√	1,811	C254T34DB7	280	208-230/460	48.4	91.7	1.15	22.64	S, CN
20	1800	256T	**199702.00**	D	2,001	C256T17DB12	360	208-230/460	48.0	93.0	1.15	24.22	C, CN
20	1800	256T	**B199702.00**	√	1,902	C256T17DB13	340	208-230/460	48.0	93.0	1.15	24.22	S, CN
20	1200	286T	**199703.00**	D	3,122	C286T11DB7	457	208-230/460	54.0	92.4	1.15	27.09	C, CN
20	1200	286T	**B199703.00**	√	2,966	C286T11DB8A	425	208-230/460	52.0	92.4	1.15	27.09	S, CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
*Amps at 460 volts

♥ Note listing on inside back flap
Specifications are subject to change without notice

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LEESON®

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
25	3600	256T	**199704.00**	D	2,427	C256T34DB10	315	208-230/460	55.0	91.7	1.15	24.22	C, CN
25	3600	256T	**B199704.00**	√	2,306	C256T34DB11	295	208-230/460	59.4	91.7	1.15	24.22	S, CN
25	1800	284T	**199705.00**	D	2,362	C284T17DB11	424	208-230/460	62.0	93.6	1.15	25.71	C, CN
25	1800	284T	**B199705.00**	√	2,243	C284T17DB12	400	208-230/460	70.5	93.6	1.15	25.71	S, CN
25	1200	324T	**199706.00**	√	3,719	C324T11DB7	695	208-230/460	68.0	93.0	1.15	28.55	C, CN
30	3600	284TS	**199707.00**	D	3,003	C284T34DB9	396	208-230/460	66.5	91.7	1.15	24.41	C, CN
30	3600	284TS	**B199707.00**	√	2,852	C284T34DB10	370	208-230/460	71.0	91.7	1.15	24.41	S, CN
30	1800	286T	**199708.00**	D	2,725	C286T17DB14	483	208-230/460	74.0	94.1	1.15	27.09	C, CN
30	1800	286T	**B199708.00**	√	2,589	C286T17DB15	460	208-230/460	71.9	94.1	1.15	27.09	S, CN
30	1200	326T	**199709.00**	√	4,359	C326T11DB7	760	208-230/460	81.0	93.6	1.15	29.73	C ,CN
40	3600	286TS	**199710.00**	D	3,614	C286T34DB6	452	208-230/460	89.0	92.4	1.15	25.79	C, CN
40	3600	286TS	**B199710.00**	√	3,519	C286T34DB7	425	208-230/460	93.2	92.4	1.15	25.79	S, CN
40	1800	324T	**199711.00**	√	3,425	C324T17DB12	581	208-230/460	95.0	94.5	1.15	28.55	C, CN
40	1200	364T	**199712.00**	√	5,595	C364T11DB8	875	208-230/460	99.0	94.1	1.15	31.69	C, CN
50	3600	324TS	**199713.00**	√	4,405	C324T34DB6	548	208-230/460	113.0	93.0	1.15	27.05	C, CN
50	1800	326T	**199714.00**	√	4,081	C326T17DB9	710	208-230/460	118.0	94.5	1.15	29.73	C, CN
50	1200	365T	**199715.00**	√	6,441	C365T11DB6	930	208-230/460	122.0	94.1	1.15	33.27	C, CN
60	3600	326TS	**199716.00**	√	5,272	C326T34DB8	590	208-230/460	134.0	93.6	1.15	28.23	C, CN
60	1800	364T	**199717.00**	√	4,852	C364T17DB8	1005	208-230/460	139.0	95.0	1.15	31.69	C, CN
60	1200	404T	**199718.00**	√	7,750	C404T11DB7	975	208-230/460	144.0	94.5	1.15	37.20	C, CN
75	3600	364TS	**199719.00**	√	6,964	C364T34DB5	937	208-230/460	166.0	93.6	1.15	29.57	C, CN
75	1800	365T	**199720.00**	√	5,811	C365T17DB8	1030	208-230/460	174.0	95.0	1.15	33.27	C, CN
75	1200	405T	**199721.00**	√	9,526	C405T11DB8	1100	208-230/460	180.0	94.5	1.15	38.78	C, CN
100	3600	365TS	**199722.00**	√	8,522	C365T34DB7	1016	208-230/460	222.0	93.6	1.15	31.14	C, CN
100	1800	404T	**199723.00**	√	7,577	C404T17DB8	1025	208-230/460	226.0	95.4	1.15	37.20	C, CN
100	1200	444T	**199724.00**	√	11,826	C444T11DB6	1675	208-230/460	232.0	95.0	1.15	44.57	C, CN
125	3600	404TS	**199725.00**	√	10,196	C404T34DB5	973	460	138 *	94.1	1.15	35.45	C,CN
125	1800	405T	**199726.00**	√	9,590	C405T17DB8	1150	460	140 *	95.4	1.15	38.78	C,CN
125	1200	445T	**199727.00**	√	15,518	C445T11DB8	1799	460	145 *	95.0	1.15	44.57	C,CN
150	3600	405TS	**199728.00**	√	11,930	C405T34DB4	1075	460	164 *	94.1	1.15	35.45	C,CN
150	1800	444T	**199729.00**	√	12,875	C444T17DB7	1275	460	168 *	95.8	1.15	44.57	C,CN
150	1200	447T	**199730.00**	√	15,957	C447T11DB3	2050	460	172 *	95.4	1.15	49.69	C,CN
200	3600	444TS	**199731.00**	√	18,558	C444T34DB2	1277	460	215 *	95.0	1.15	40.83	C,CN
200	1800	445T	**199732.00**	√	16,155	C445T17DB18	1885	460	233 *	95.8	1.15	44.57	C,CN
200	1200	449T	**199733.00**	√	20,346	C449T11DB1	2200	460	228 *	95.4	1.15	49.96	C,CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

*Amps at 460 volts

♥ Note listing on inside back flap

Specifications are subject to change without notice

Ultimate e® Series General Purpose Motors

Drip-Proof - General Purpose

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182TC	**199735.00**	√	787	C182T17DK42	77	208-230/460	7.6	90.2	1.15	14.45	S, CN
5	3600	182TC	**199736.00**	√	827	C182T34DK18	128	208-230/460	12.4	87.5	1.15	14.45	S, CN
5	1800	184TC	**199737.00**	√	925	C184T17DK42	88	208-230/460	12.8	89.5	1.15	15.46	S, CN
7 1/2	3600	184TC	**199738.00**	√	1,004	C184T34DK26	145	208-230/460	18.0	88.5	1.15	15.46	S, CN
7 1/2	1800	213TC	**199739.00**	D	1,158	C213T17DK45	162	208-230/460	19.0	91.7	1.15	18.10	S, CN
7 1/2	1800	213TC	**B199739.00**	√	1,158	C213T17DK45	152	208-230/460	19.3	91.7	1.15	18.10	S, CN
10	3600	213TC	**199740.00**	D	1,340	C213T34DK47	152	208-230/460	23.0	89.5	1.15	18.10	S, CN
10	3600	213TC	**B199740.00**	√	1,340	C213T34DK47	140	208-230/460	24.0	89.5	1.15	18.10	S, CN
10	1800	215TC	**199741.00**	D	1,358	C215T17DK45	223	208-230/460	25.6	91.7	1.15	18.10	S, CN
10	1800	215TC	**B199741.00**	√	1,358	C215T17DK45	205	208-230/460	24.9	91.7	1.15	17.52	S, CN
15	3600	215TC	**199742.00**	D	1,894	C215T34DK46	187	208-230/460	35.0	91.0	1.15	18.10	S, CN
15	3600	215TC	**B199742.00**	√	1,894	C215T34DK46	175	208-230/460	35.8	91.0	1.15	18.10	S, CN
15	1800	254TC	**199743.00**	D	2,208	C254T17DK11	314	208-230/460	36.5	93.0	1.15	23.00	C, CN
15	1800	254TC	**B199743.00**	√	2,098	C254T17DK11	285	208-230/460	36.8	93.0	1.15	23.14	S, CN
20	3600	254TC	**199744.00**	D	2,390	C254T34DK8	305	208-230/460	45.0	91.7	1.15	23.00	C, CN
20	3600	254TC	**B199744.00**	√	2,271	C254T34DK8	280	208-230/460	48.4	91.7	1.15	23.14	S, CN
20	1800	256TC	**199745.00**	D	2,652	C256T17DK7	365	208-230/460	48.0	93.0	1.15	24.60	C, CN
20	1800	256TC	**B199745.00**	√	2,519	C256T17DK7	340	208-230/460	48.0	93.0	1.15	24.72	S, CN
25	3600	256TC	**199746.00**	D	2,803	C256T34DK7	321	208-230/460	55.0	91.7	1.15	24.60	C, CN
25	3600	256TC	**B199746.00**	√	2,663	C256T34DK7	295	208-230/460	59.4	91.7	1.15	24.72	S, CN
25	1800	284TC	**199747.00**	D	3,083	C284T17DK5	430	208-230/460	62.0	93.6	1.15	25.71	C, CN
25	1800	284TC	**B199747.00**	√	2,929	C284T17DK5	400	208-230/460	61.7	93.6	1.15	25.71	S, CN
30	3600	284TSC	**199748.00**	D	3,448	C284T34DK3	401	208-230/460	66.5	91.7	1.15	24.41	C, CN
30	3600	284TSC	**B199748.00**	√	3,275	C284T34DK3	370	208-230/460	71.0	91.7	1.15	24.34	S, CN
30	1800	286TC	**199749.00**	D	3,724	C286T17DK6	488	208-230/460	74.0	94.1	1.15	27.09	C, CN
30	1800	286TC	**B199749.00**	√	3,538	C286T17DK6	460	208-230/460	74.0	94.1	1.15	27.09	S, CN
40	3600	286TSC	**199750.00**	√	4,139	C286T34DK3	456	208-230/460	89.0	92.4	1.15	25.79	C, CN
40	3600	286TSC	**B199750.00**	√	4,007	C286T34DK3	——	208-230/460	——	92.4	1.15	——	S, CN
40	1800	324TC	**199751.00**	√	4,336	C324T17DK11	587	208-230/460	95.0	94.5	1.15	28.55	C, CN
50	3600	324TSC	**199752.00**	√	5,036	C324T34DK3	554	208-230/460	113	93.0	1.15	27.05	C, CN
50	1800	326TC	**199753.00**	√	4,987	C326T17DK5	716	208-230/460	118	94.5	1.15	29.73	C, CN
60	3600	326TSC	**199754.00**	√	6,035	C326T34DK1	597	208-230/460	134	93.6	1.15	28.23	C, CN
60	1800	364TC	**199755.00**	√	6,691	C364T17DK5	1011	208-230/460	139	95.0	1.15	31.69	C, CN
75	3600	364TSC	**199756.00**	√	7,935	C364T34DK1	943	208-230/460	166	93.6	1.15	29.57	C, CN
75	1800	365TC	**199816.00**	√	7,049	C365T17DK3	1036	208-230/460	174	95.0	1.15	33.27	C, CN
100	3600	365TSC	**199758.00**	√	9,707	C365T34DK1	1022	208-230/460	222	93.6	1.15	31.14	C, CN
100	1800	404TC	**199759.00**	√	9,539	C404T17DK3	1033	208-230/460	226	95.4	1.15	37.20	C, CN

♥ Note listing on inside back flap
Specifications are subject to change without notice

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

LEESON®

General Specifications:

Motors designed for air compressor, pump, fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

- Double shielded ball bearings
- Designed for belted loads
- Class F Insulation

Three Phase - Drip-Proof - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143T	**121003.00**	√	689	C143T17DB10	36	208-230/460	3.2	85.5	1.25	12.10	S, US
1	1800	143T	**LM24871**	√	569	SSD4B1T6	35	208-230/460	3.2	85.5	1.25	12.00	S, MX
1 1/2	1800	145T	**121004.00**	√	719	C145T17DB32	35	208-230/460	4.8	86.5	1.25	12.60	S, US
1 1/2	1800	145T	**LM24875**	√	595	SSD4B1.5T6	45	208-230/460	4.4	86.5	1.25	13.00	S, MX
2	1800	145T	**121005.00**	√	815	C145T17DB33	37	208-230/460	5.8	86.5	1.25	13.60	S, US
2	1800	145T	**LM24169**	√	659	SSD4B2T6	48	208-230/460	6.0	86.5	1.25	11.50	S, MX
3	1800	182T	**131519.00**	√	833	C182T17DB37	75	208-230/460	7.8	89.5	1.25	13.70	S, MX
3	1800	182T	**LM24222**	√	858	SSD4B3T61	75	208-230/460	8.0	89.5	1.25	13.20	S, MX
5	1800	184T	**131520.00**	√	939	C184T17DB44	86	208-230/460	12.8	89.5	1.25	14.70	S, MX
5	1800	184T	**LM24202**	√	962	SSD4B5T61	91	208-230/460	12.6	89.5	1.25	14.20	S, MX
7 1/2	1800	213T	**140470.00**	√	1,178	C213T17DB2	133	208-230/460	20.6	91.0	1.25	16.30	S, MX
7 1/2	1800	213T	**LM24194**	√	1,355	SSD4B7.5T6	125	208-230/460	19.2	91.0	1.25	18.50	S, US
10	1800	215T	**140472.00**	√	1,392	C215T17DB15	144	208-230/460	26.8	91.7	1.25	17.30	S, MX
10	1800	215T	**LM24193**	√	1,514	SSD4B10T6	155	208-230/460	25.0	91.7	1.25	18.50	S, US
20	1800	256T	**170006.60**	√	2,398	C256T17DB5	324	208-230/460	51.0	93.0	1.25	22.60	C, CN
20	1800	256T	**LM24199**	√	2,604	CCD4B20T6	350	208-230/460	48.0	93.0	1.25	24.40	C, US

Shaded model numbers are cast iron frame

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase ODP Motors

Resilient Base

General Purpose or Fan & Blower Service

General Specifications:

- Industrial quality resilient base
- Moderate starting torque
- Double shielded ball bearings
- Belt-Driven or fan-on-shaft applications

Drip-Proof - Three Phase - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	3450	S56	**101639.00**	D	393	A4T34DJ4	17	208-230/460	Auto.	1.7	1.35	61.0	10.31	S, US, 33
1/3	3450	S56	**E101639.00**	√	393	————————	17	208-230/460	Auto.	——	1.35	69.5	——	S, US, 33
1/3	1725	S56	**100210.00**	D	429	C4T17DJ3	18	208-230/460	None	1.6	1.35	64.3	10.31	S, MX
1/3	1725	S56	**E100210.00**	√	470	C4T17DJ25	19	208-230/460	None	1.2	1.35	73.4	12.31	S, MX
1/3	1725	S56	**101520.00**	D	521	A4T17DJ18	19	208-230/460	Auto.	1.6	1.35	64.3	10.81	S, MX, 33
1/3	1725	S56	**E101520.00**	√	542	A4T17DJ25	19	208-230/460	Auto.	1.2	1.35	73.4	12.31	S, MX, 33
1/2	3450	S56	**101640.00**	D	472	A4T34DJ3	18	208-230/460	Auto.	2.4	1.25	69.0	10.31	S, US, 33
1/2	3450	S56	**E101640.00**	√	556	————————	19	208-230/460	Auto.	——	1.25	73.4	——	S, US, 33
1/2	1725	S56	**100145.00**	D	492	C4T17DJ1	22	208-230/460	None	2.0	1.25	68.0	10.81	S, MX
1/2	1725	56	**E119360.00**	√	549	C6T17DR40	23	208-230/460	None	2.0	1.25	78.2	10.82	S, MX
1/2	1725	S56	**100796.00**	D	572	A4T17DJ10	22	208-230/460	Auto.	2.0	1.25	68.0	11.31	S, MX
1/2	1725	56	**E119879.00**	√	595	————————	25	208-230/460	Auto.	2.0	1.25	78.2	11.54	S, MX
3/4	3450	S56	**E101773.00**	√	494	C4T34DJ8	20	208-230/460	None	2.4	1.25	79.0	10.81	S, MX
3/4	3450	S56	**101641.00**	D	576	A4T34DJ5	20	208-230/460	Auto.	2.4	1.25	79.0	11.31	S, US, 33
3/4	3450	S56	**E101641.00**	√	576	A4T34DJ5	20	208-230/460	Auto.	2.4	1.25	79.0	11.31	S, US, 33
3/4	1725	56	**E119361.00**	√	589	C6T17DR41	26	208-230/460	None	2.4	1.25	81.1	11.82	S, MX
3/4	1725	S56	**100908.00**	D	620	A4T17DJ13	26	208-230/460	Auto.	2.8	1.25	75.0	11.81	S, US, 33
3/4	1725	56	**E119880.00**	√	620	————————	29	208-230/460	Auto.	2.8	1.25	81.1	12.04	S, US, 33
1	3450	56	**114192.00**	D	526	C6T34DR35	24	208-230/460	None	3.2	1.25	77.0	10.82	S, US
1	3450	56	**E114192.00**	√	526	C6T34DR35	24	208-230/460	None	3.2	1.25	77.0	10.82	S, US
1	3450	56	**113895.00**	D	608	A6T34DR30	25	208-230/460	Auto.	3.2	1.25	77.0	10.82	S, US, 33
1	3450	56	**E113895.00**	C/A	608	A6T34DR44	28	208-230/460	Auto.	3.2	1.25	77.0	10.82	S, US, 33
1	1725	56	**E110052.00**	√	741	C6T17DR37	24	208-230/460	None	3.2	1.15	83.5	13.32	S, US
1	1725	56H	**111311.00**	D	644	A6T17DR11	27	208-230/460	Auto.	4.2	1.15	78.5	11.31	S, US, 33
1	1725	56H	**E111311.00**	√	756	A6T17DR63	30	208-230/460	Auto.	3.2	1.15	83.5	13.82	S, US, 33
1 1/2	3450	56H	**E114194.00**	C/A	758	C6T34DR3	31	208-230/460	None	4.0	1.15	84.0	12.82	S, US
1 1/2	3450	56H	**113896.00**	D	689	A6T34DR31	29	208-230/460	Auto.	4.2	1.15	81.5	11.82	S, US, 33
1 1/2	3450	56H	**E113896.00**	C/A	689	U6T34DR43	32	208-230/460	Auto.	4.0	1.15	84.0	12.32	S, US, 33
1 1/2	1725	56H	**110433.00**	D	660	C6T17DR4	32	208-230/460	None	5.6	1.15	78.5	11.81	S, US
1 1/2	1725	56H	**E110433.00**	√	795	C6T17DR38	33	208-230/460	None	4.8	1.15	86.5	13.82	S, US
1 1/2	1725	56H	**113846.00**	D	683	A6T17DR25	29	208-230/460	Auto.	5.6	1.15	78.5	11.81	S, US, 33
1 1/2	1725	56H	**E113846.00**	√	812	A6T17DR47	32	208-230/460	Auto.	4.8	1.15	86.5	13.82	S, US, 33
2	3450	56H	**E114196.00**	C/A	838	C6T34DR38	37	208-230/460	None	4.8	1.15	85.5	13.82	S, US
2	3450	56H	**113897.00**	D	799	A6T34DR32	39	208-230/460	Auto.	5.6	1.15	82.9	12.32	S, US, 33
2	3450	56H	**E113897.00**	√	852	A6T34DR42	42	208-230/460	Auto.	4.8	1.15	85.5	14.32	S, US, 33
2	1725	56H	**E114197.00**	√	874	C6T17DR39	38	208-230/460	None	5.8	1.15	86.5	14.32	S, US
2	1725	56H	**113847.00**	D	784	A6T17DR26	34	208-230/460	Auto.	6.2	1.15	78.5	12.31	S, US, 33
2	1725	56H	**E113847.00**	√	888	A6T17DR26	36	208-230/460	Auto.	5.8	1.15	86.5	15.32	S, US, 33
3	3450	56HZ	**113926.00**	√	789	U6T34DR33	40	208-230/460	Auto.	7.6	1.00	84.0	13.19	S, US, 33
3	1725	56HZ	**116593.00**	√	859	A6T17DR33	47	208-230/460	Auto.	8.6	1.15	82.5	14.19	S, US, 33

Green items are Premium Efficient
"E" prefix items comply with SMR 2015
D - Item to be discontinued once inventory is depleted
C/A - Check Availablity

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - ODP - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182T	**132232.00**	√	846	C182T17DB57	75	208-230/460	7.2	1.15	89.5	13.70	S, MX
5	1800	184T	**132233.00**	C/A	939	C184T17DB77	86	208-230/460	12.8	1.15	89.5	14.70	S, MX
7 1/2	1800	213T	**140831.00**	C/A	1,178	C213T17DB14	133	208-230/460	20.6	1.15	91.0	16.30	S, MX

Green items are Premium Efficient
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Automatic Overload Protected Motors

General Specifications:

- General purpose
- Automatic reset protection
- Not for use with variable frequency inverters

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
3	1800	182T	**132234.00**	√	1,004	U182T17DB61	58	208-230/460	Auto	8.4	1.15	86.5	12.69	S, MX
5	1800	184T	**132235.00**	C/A	1,127	U184T17DB82	78	208-230/460	Auto	13.2	1.15	87.5	13.69	S, MX

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C/A - Check Availability

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Specifications are subject to change without notice

Three Phase Motors Totally Enclosed

Three Phase Motors – General Purpose – Totally Enclosed – 208-230/460V & 460V Rigid Mount – 1/4 HP – 400 HP
Steel Frame – Cast Iron Frame – Aluminum Frame

Ultimate *e*® Motors
see pages 73-77

- Standard, EPAct and premium efficient ratings
- Inverter-rated
- Class B insulation systems – 42, 48 and 56 frames
- Class F insulation system – 140 frame and higher
- Shielded ball bearings for direct coupled applications Contact your local sales office for belted load applications
- Continuous duty
- Dynamically balanced rotors
- 1-year warranty on standard efficient motors
- 2-year warranty on EPAct efficient motors
- 3-year warranty on Premium efficient motors
- Torques exceed NEMA performance standards
- UL recognized and CSA certified
- WATTSaver®e Premium efficient motors
- Ultimate e Premium efficient motors

NEMA Premium

Applications:
For use where exposure to water, dust and corrosives exists. Ideally suited for use on pumps, compressors, fans, blowers, conveyors, machine tools and other industrial applications.

LEESON® Cast Iron WATTSaver e Motors	LEESON Ultimate e Motors
Standard Features	
3 HP - 250 HP	1.5 HP - 200 HP
N/C Thermostats	N/A
3-Year Warranty	3-Year Warranty
IRIS® Inverter Insulation System	Standard Insulation System
10:1 Constant Torque Operation	10:1 Constant Torque Operation
Ring Terminals on Leads	N/A
TEFC Enclosure	TEFC Enclosure
ODP Enclosure	ODP Enclosure
Chemical Resistant Paint	Enamel Paint
Cast Iron Conduit Box	Stamped Steel Conduit Box
Options	
C-Face Kits	C-Face Kits
D-Flange Kits	N/A
Encoder Mounting Provisions	N/A
Blower Kit Option	N/A
F-2 Mounting by re-assembly	F-2 Mounting by re-assembly
213-5T and 254-6T Frame Brake Kits	N/A
Cast Iron Fan Guards	N/A
SGR mounting provisions	SGR mounting provisions

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LEESON®

Three Phase Motors
Totally Enclosed Fan Cooled
General Purpose - Standard, EPAct and Premium Efficient - Three Phase Motors

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48	**101646.00**	√	357	C4T17FB9	18	208-230/460	1.4	58.0	1.15	9.31	S, MX
1/4	1800	48	**LM24929**	√	376	SPF4S0.25T61	17	208-230/460	1.3	62.5	1.15	9.59	S, MX
1/3	3600	48	**102684.00**	√	359	C4T34FB5	18	208-230/460	1.4	68.0	1.00	8.81	S, US
1/3	1800	48	**101647.00**	√	427	C4T17FB10	21	208-230/460	1.6	64.3	1.15	9.31	S, MX
1/3	1800	S56	**101079.00**	√	392	C4T17FH6	22	208-230/460	1.6	64.3	1.15	9.69	S, MX
1/3	1800	S56	**LM24107**	C/A	420	SRF4S0.33T61	16	208-230/460	1.6	65.5	1.15	10.22	S, MX
1/3	1800	S56	**103019.00**	√	573	C4T17FH12	24	208-230/460	1.3	77.0	1.25	10.19	S, MX
1/3	1200	56	**110441.00**	√	616	C6T11FB5	23	208-230/460	1.6	65.0	1.15	10.81	S, US
1/2	3600	48	**100905.00**	√	421	C4T34FB2	18	208-230/460	1.8	69.0	1.00	9.94	S, US
1/2	3600	56	**LM24165**	C/A	434	SRF2S0.5T61	22	208-230/460	2.2	69.0	1.15	11.82	S, US
1/2	1800	48	**100961.00**	√	501	C4T17FB4	21	208-230/460	2.0	73.0	1.15	9.56	S, MX
1/2	1800	S56	**100913.00**	√	449	C4T17FH1	24	208-230/460	2.0	73.0	1.15	9.94	S, MX
1/2	1800	S56	**LM24073**	√	480	SRF4S0.5T61	18	208-230/460	2.2	70.0	1.15	10.72	S, MX
1/2	1800	S56	**103020.00**	√	608	C4T17FH13	27	208-230/460	1.8	77.0	1.25	10.69	S, MX
1/2	1200	56	**110353.00**	√	665	C6T11FB2	26	208-230/460	2.4	70.0	1.15	11.31	S, US
1/2	1200	56	**LM24105**	√	695	SRF6S0.5T61	24	208-230/460	2.7	68.0	1.15	11.82	S, MX
1/2	900	56	**114618.00**	√	991	C6T8FB11	31	208-230/460	2.4	69.0	1.15	11.81	S, US
1/2	900	143T	**LM24291**	C/A	1,034	SSF8S0.5T61	31	208-230/460	2.6	66.0	1.15	13.37	S, US
3/4	3600	48	**100960.00**	√	462	C4T34FB3	21	208-230/460	2.4	79.0	1.00	10.44	S, US
3/4	3600	56	**110313.00**	√	462	C6T34FB2	22	208-230/460	2.4	75.5	1.15	10.81	S, US
3/4	3600	56	**LM24133**	√	480	SRF2S0.75T61	23	208-230/460	3.2	74.0	1.15	11.82	S, US
3/4	1800	56	**110034.00**	√	478	C6T17FB1	22	208-230/460	2.8	77.0	1.15	10.81	S, US
3/4	1800	S56	**LM24075**	√	516	SRF4S0.75T61	30	208-230/460	2.8	75.5	1.15	11.22	S, MX
3/4	1800	56	**116739.00**	√	638	C6T17FB152	31	208-230/460	2.4	81.5	1.25	11.31	S, US
3/4	1200	56	**110275.00**	√	665	C6T11FB3	33	208-230/460	3.0	75.5	1.15	11.81	S, US
3/4	1200	56	**LM24136**	C/A	711	SRF6S0.75T61	28	208-230/460	3.2	74.0	1.15	12.32	S, MX
3/4	1200	143T	**121009.00**	√	678	C143T11FB2	34	208-230/460	3.0	75.5	1.15	12.75	S, US
3/4	1200	143T	**LM24103**	√	711	SSF6S0.75T61	29	208-230/460	3.2	74.0	1.15	12.37	S, MX
3/4	900	145T	**121199.00**	√	1,142	C145T8FB5	21	208-230/460	3.1	70.0	1.15	12.75	S, US
3/4	900	145T	**LM24276**	√	1,184	SSF8S0.75T61	49	208-230/460	4.8	70.0	1.15	14.87	S, US

Continued on next page

Green items are Premium Efficient
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C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Motors
Totally Enclosed Fan Cooled
General Purpose - Standard,
EPAct and Premium Efficient - Three Phase Motors

Ultimate *e*® Motors
see pages 73-77

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56	**110145.00**	√	540	C6T34FB1	24	208-230/460	3.2	77.0	1.15	10.81	S, US
1	3600	56	**116129.00**	√	715	C6T34FB49	24	208-230/460	2.8	80.0	1.25	11.31	S, US
1	3600	56	**LM34141**	√	601	SRF2B1T61	27	208-230/460	3.0	77.0	1.15	11.82	S, US
1	1800	56H	**116757.00**	√	784	C6T17FB151	32	208-230/460	3.2	85.5	1.25	12.81	S, US
1	1800	56	**LM34139**	√	784	SRF4B1T61	32	208-230/460	3.3	85.5	1.15	14.33	S, MX
1	1800	143T	**120921.00**	√	784	C143T17FB13	32	208-230/460	3.2	85.5	1.25	13.25	S, US
1	1800	143T	**LM32796**	√	775	SSF4B1T61	41	208-230/460	3.2	85.5	1.25	12.93	S, MX
1	1800	143T	**171640.60**	√	841	C145T17FB25	61	208-230/460	3.2	85.5	1.15	13.46	C, CN
1	1800	143T	**LM24102**	√	861	CCN4BIT61	56	208-230/460	3.0	85.5	1.25	10.43	C, US
1	1200	56	**119395.00**	√	772	C6T11FB28	38	208-230/460	3.8	82.5	1.15	12.98	S, US
1	1200	56H	**LM34140**	√	772	SRF6B1T61	39	208-230/460	3.8	82.5	1.15	15.33	S, MX
1	1200	145T	**121520.00**	√	927	C145T11FB20	47	208-230/460	3.8	82.5	1.25	13.75	S, US
1	1200	145T	**LM33121**	√	889	SSF6B1T61	35	208-230/460	3.8	82.5	1.15	14.87	S, MX
1	1200	145T	**171643.60**	√	990	C145T11FB25	58	208-230/460	3.8	82.5	1.25	13.46	C, CN
1	900	182T	**132428.00**	√	1,478	C182T8FB14	70	208-230/460	4.2	82.5	1.15	——	S, MX
1 1/2	3600	56	**116758.00**	√	812	C6T34FB50B	33	208-230/460	4.0	84.0	1.25	12.81	S, US
1 1/2	3600	143T	**121518.00**	√	812	C143T34FB1	33	208-230/460	4.0	84.0	1.25	13.25	S, US
1 1/2	3600	143T	**LM33122**	√	812	SSF2B1.5T61	32	208-230/460	4.0	84.0	1.25	13.37	S, US
1 1/2	3600	143T	**171642.60**	√	870	C143T34FB5	49	208-230/460	4.0	84.0	1.15	13.46	C, CN
1 1/2	1800	56	**116759.00**	√	800	C6T17FB150	34	208-230/460	4.8	86.5	1.25	13.31	S, US
1 1/2	1800	56H	**LM34142**	√	800	SRF4B1.5T61	35	208-230/460	——	86.5	1.15	——	S, MX
1 1/2	1800	145T	**120922.00**	√	814	C145T17FB33	34	208-230/460	4.8	86.5	1.15	13.75	S, US
1 1/2	1800	145T	**LM33123**	√	814	SSF4B1.5T61	45	208-230/460	4.8	86.5	1.25	13.43	S, MX
1 1/2	1800	145T	**171646.60**	√	868	C145T17FB78	69	208-230/460	4.8	86.5	1.15	13.46	C, CN
1 1/2	1800	145T	**LM25637**	D	919	CCN4B1.5T61	62	208-230/460	4.4	84.0	1.25	11.43	C, US
1 1/2	1800	145T	**LM34263**	√	966	CCF4B1.5T61	67	208-230/460	4.6	86.5	1.00	13.99	C, US
1 1/2	1200	182T	**131980.00**	√	1,351	C182T11FB9	89	208-230/460	5.6	87.5	1.15	15.96	S, MX
1 1/2	1200	182T	**LM33561**	√	1,140	AAF6B1.5T61AP26	83	208-230/460	4.4	87.7	1.25	14.96	A, MX
1 1/2	900	184T	**132429.00**	√	1,757	C184T8FB7	72	208-230/460	5.7	78.9	1.15	14.96	S, MX
1 1/2	900	184T	**LM33562**	√	1,667	AAF8P1.5T61AP26	80	208-230/460	——	78.5	1.15	——	A, MX

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
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Three Phase Motors
Totally Enclosed Fan Cooled
General Purpose - Standard, EPAct and Premium Efficient - Three Phase Motors

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56	**116760.00**	√	888	C6T34FB51	44	208-230/460	4.8	85.5	1.25	13.31	S, US
2	3600	145T	**121519.00**	√	888	C145T34FB33	44	208-230/460	4.8	85.5	1.25	13.75	S, US
2	3600	145T	**LM33124**	√	888	SSF2BT61	31	208-230/460	4.8	85.5	1.25	13.43	S, US
2	3600	145T	**171648.60**	√	949	C145T34FB37	56	208-230/460	4.8	85.5	1.25	13.46	C, CN
2	1800	56H	**LM34144**	√	847	SRF4B2T61	45	208-230/460	6.0	86.5	1.15	——	S, MX
2	1800	56H	**116761.00**	√	847	C6T17FB154	45	208-230/460	5.8	86.5	1.25	14.32	S, US
2	1800	145T	**120923.00**	√	847	C145T17FB32	45	208-230/460	5.8	86.5	1.25	14.76	S, US
2	1800	145T	**LM33125**	√	733	SSF4B2T61	41	208-230/460	6.5	86.5	1.25	13.93	S, MX
2	1800	145T	**171647.60**	√	904	C145T17FB79	68	208-230/460	5.8	86.5	1.15	13.46	C, CN
2	1800	145T	**LM34264**	√	967	CCF4B2T61	68	208-230/460	6.0	86.5	1.15	13.99	C, US
2	1200	184T	**131981.00**	√	1,375	C184T11FB20	89	208-230/460	7.2	88.5	1.15	15.96	S, MX
2	1200	184T	**LM33563**	√	1,181	AAF6B2T61AP26	92	208-230/460	6.0	88.5	1.25	14.96	A, MX
2	900	213T	**G140516.00**	D	2,310	C213T8FB3	114	208-230/460	8.0	82.5	1.15	18.22	S, MX
2	900	213T	**141312.00**	C/A	2,310	C213T8FB4	121	208-230/460	——	84.0	1.15	——	S, MX
2	900	213T	**LM34145**	√	2,341	AF8B2T61	108	208-230/460	——	84.0	1.15	——	A, US
3	3600	56H	**119396.00**	√	950	C6T34FB54	43	208-230/460	8.0	86.5	1.15	13.48	S, US, 6
3	3600	145T	**121968.00**	√	1,024	C145T34FB49	48	208-230/460	8.0	86.5	1.15	13.93	S, US
3	3600	182T	**131985.00**	√	1,102	C182T34FB72	66	208-230/460	7.6	86.5	1.25	13.96	S, MX
3	3600	182T	**LM33564**	√	1,403	AAF2B3T61AP26	83	208-230/460	7.6	87.5	1.25	14.96	A, MX
3	3600	182T	**LM33262**	C/A	1,102	SSF2B3T61	75	208-230/460	7.6	87.5	1.15	13.46	S, MX
3	1800	182T	**131463.00**	√	957	C182T17FB32	80	208-230/460	7.8	89.5	1.15	13.96	S, MX
3	1800	182T	**LM33486**	√	1,015	AAF4B3T61AP26	83	208-230/460	8.0	89.5	1.25	14.96	A, MX
3	1800	182T	**LM32741**	√	957	SSF4B3T61	77	208-230/460	7.8	89.5	1.15	13.96	S, MX
3	1800	182T	**171320.60**	√	1,074	C182T17FB42	108	208-230/460	7.8	89.5	1.15	15.89	C, CN
3	1200	213T	**171378.60**	√	1,521	C213T11FB1	166	208-230/460	9.4	89.5	1.15	18.19	C, CN
3	1200	213T	**LM16030**	√	1,675	AF6B3T61	127	208-230/460	9.0	89.5	1.15	17.20	A, US
3	1200	213T	**LM34006**	C/A	1,292	SSF6P3T61	113	208-230/460	8.8	89.5	1.15	18.73	S, MX
3	900	215T	**825403.00**	C/A	3,749	215TTFN16085	217	208-230/460	10	85.5	1.15	19.63	C, US

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Motors
Totally Enclosed Fan Cooled
General Purpose - Standard,
EPAct and Premium Efficient - Three Phase Motors

Ultimate *e*® Motors
see pages 73-77

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
5	3600	184T	**131987.00**	√	1,232	C184T34FB20	88	208-230/460	12.0	88.5	1.25	16.46	S, MX
5	3600	184T	**LM33565**	√	1,503	AAF2BT61AP26	89	208-230/460	11.8	89.5	1.25	14.96	A, MX
5	3600	184T	**LM15869**	C/A	1,570	CCF2BT61	108	208-230/460	11.8	88.5	1.15	15.81	C, US
5	1800	184T	**131464.00**	√	1,053	C184T17FB42	87	208-230/460	12.8	89.5	1.15	14.96	S, MX
5	1800	184T	**LM33487**	√	1,186	AAF4B5T61AP26	87	208-230/460	12.4	90.2	1.25	14.96	A, MX
5	1800	184T	**171322.60**	√	1,117	C184T17FB43	112	208-230/460	12.8	89.5	1.25	16.80	C, CN
5	1200	215T	**171379.60**	√	1,695	C215T11FB1	176	208-230/460	14.4	89.5	1.25	19.61	C, CN
5	1200	215T	**LM16033**	√	1,943	AF6B5T61	138	208-230/460	13.8	89.5	1.15	18.70	A, US
5	1200	215T	**LM32802**	√	1,673	SSF6BT61	140	208-230/460	14.0	90.2	1.15	20.23	S, US
5	900	254T	**G151355.22**	√	4,034	C254T8FB5	188	208-230/460	14.4	88.3	1.15	23.23	C, CA
5	900	254T	**LM32803**	√	2,755	AF8P5T61	159	208-230/460	15.0	87.5	1.15	23.40	A, US
7 1/2	3600	213T	**170158.60**	√	1,571	C213T34FB42	156	208-230/460	18.0	91.0	1.25	18.19	C, CN
7 1/2	3600	213T	**LM28968**	√	1,776	AF2B7.5T61	127	208-230/460	17.8	91.7	1.25	20.65	A, US
7 1/2	3600	213T	**140756.00**	√	1,485	C213T34FB1	156	208-230/460	17.8	90.2	1.15	19.84	S, MX
7 1/2	1800	213T	**140450.00**	√	1,353	C213T17FB6	153	208-230/460	21.4	91.7	1.25	18.70	S, MX
7 1/2	1800	213T	**LM32805**	√	1,249	SSF4B7.5T61	144	208-230/460	19.4	91.7	1.15	20.23	S, US
7 1/2	1800	213T	**LM16029**	√	1,866	AF4B7.5T61	127	208-230/460	19.2	91.1	1.25	18.70	A, US
7 1/2	1800	213T	**170157.60**	√	1,493	C213T17FB43	158	208-230/460	18.6	91.7	1.25	18.19	C, CN
7 1/2	1800	213T	**LM24209**	√	1,593	CCF4B7.5T61	180	208-230/460	19.2	91.7	1.25	19.70	C, US
7 1/2	1200	254T	**170122.60**	√	2,208	C254T11FB3	259	208-230/460	22.2	91.7	1.25	23.19	C, CN
7 1/2	1200	254T	**LM15672**	√	2,854	AF6B7.5T61	209	208-230/460	19.8	91.0	1.25	23.40	A, US
7 1/2	900	256T	**G151356.22**	√	4,807	C256T8FB42	300	208-230/460	20.0	87.7	1.15	24.96	C, CA
7 1/2	900	256T	**LM32807**	√	3,260	AF8B7.5T61	195	208-230/460	23.0	86.5	1.15	25.15	A, US

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Motors
Totally Enclosed Fan Cooled
General Purpose - Standard, EPAct and Premium Efficient - Three Phase Motors

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
10	3600	215T	**140755.00**	√	1,724	C215T34FB11	170	208-230/460	23.6	91.7	1.15	21.09	S, MX
10	3600	215T	**LM32808**	√	1,869	SSF2B10T61	172	208-230/460	23.6	91.7	1.15	21.48	S,US
10	3600	215T	**170159.60**	√	1,861	C215T34FB47	181	208-230/460	23.4	91.7	1.25	19.61	C, CN
10	3600	215T	**LM16031**	√	1,966	AF2B10T61	185	208-230/460	23.6	91.7	1.25	19.70	A, US
10	1800	215T	**140451.00**	√	1,636	C215T17FB18	161	208-230/460	26.6	91.7	1.25	19.70	S, MX
10	1800	215T	**LM32809**	√	1,542	SSF4B10T61	168	208-230/460	26.0	91.7	1.25	21.48	S, US
10	1800	215T	**170140.60**	√	1,783	C215T17FB43	196	208-230/460	25.0	91.7	1.25	19.61	C, CN
10	1800	215T	**LM16032**	√	1,979	AF4B10T61	160	208-230/460	26.9	91.7	1.25	18.70	A, US
10	1200	256T	**170123.60**	√	3,159	C256T11FB4	310	208-230/460	29.0	91.7	1.25	24.92	C, CN
10	1200	256T	**LM15675**	√	3,355	AF6B10T61	236	208-230/460	26.2	91.0	1.25	25.15	A, US
10	900	284T	**G150282.22**	√	5,584	C284T8FB2	346	208-230/460	26.0	90.2	1.15	26.26	C, CA
15	3600	215T	**170615.60**	√	2,340	C215T34FB13	223	208-230/460	35.0	92.4	1.15	19.61	C, CN
15	3600	254T	**170062.60**	√	2,528	C254T34FB4	292	208-230/460	35.0	92.4	1.25	23.19	C, CN
15	3600	254T	**LM15670**	√	2,696	AAF2B15T61	215	208-230/460	35.0	91.7	1.25	23.40	A, US
15	1800	254T	**170066.60**	√	2,413	C254T17FB10	290	208-230/460	36.0	92.4	1.25	23.19	C, CN
15	1800	254T	**LM15671**	√	2,384	AAF4B15T61	209	208-230/460	37.5	92.4	1.25	23.40	A, US
15	1800	254T	**LM24208**	√	2,695	CCF4B15T61	322	208-230/460	37.5	92.4	1.25	23.52	C, US
15	1200	284T	**170068.60**	√	4,334	C284T11FB4	380	208-230/460	40.6	92.4	1.25	26.26	C, CN
15	900	286T	**G150261.22**	√	6,135	G150261.22	480	208-230/460	40.0	91.0	1.15	27.83	C, CA
20	3600	256T	**170033.60**	√	3,091	C256T34FB10	332	208-230/460	46.0	92.4	1.15	24.92	C, CN
20	3600	256T	**LM15673**	√	3,143	AF2B0T61	325	208-230/460	47.0	92.4	1.25	25.15	A, US
20	1800	256T	**170007.60**	√	3,018	C256T17FB4	332	208-230/460	49.0	93.0	1.15	24.92	C, CN
20	1800	256T	**LM15674**	√	2,991	AAF4B20T61	295	208-230/460	48.0	93.0	1.25	25.15	A, US
20	1200	286T	**170001.60**	√	5,420	C286T11FB6	406	208-230/460	54.0	91.7	1.15	27.83	C, CN
20	900	324T	**G150263.22**	C/A	7,377	C324T8FB3	640	208-230/460	54.0	91.0	1.15	29.53	C, CA
25	3600	284TS	**170035.60**	√	4,019	C284T34FB5	393	208-230/460	56.8	93.0	1.15	24.88	C,CN
25	3600	284TS	**LM13960**	√	4,773	AF2B25TS61Y	385	208-230/460	56.0	92.4	1.25	25.25	A,US
25	3600	284T	**LM32811**	C/A	4,773	AF2B25T61Y	433	208-230/460	56.0	92.4	1.25	26.62	A,US
25	1800	284T	**170011.60**	√	3,796	C284T17FB5	395	208-230/460	59.0	93.6	1.15	26.26	C,CN
25	1800	284T	**LM13961**	√	4,058	AF4B25T61Y	495	208-230/460	64.0	93.6	1.25	26.62	A,US
25	1200	324T	**170003.60**	√	6,343	C324T11FB3	555	208-230/460	66.0	93.0	1.15	29.53	C,CN
25	900	326T	**G150265.22**	C/A	8,602	C326T8FB2	700	208-230/460	63.0	90.2	1.15	31.02	C,CA
30	3600	286TS	**170037.60**	√	4,744	C286T34FB4	423	208-230/460	67.0	93.0	1.15	26.46	C,CN
30	3600	286T	**LM32813**	√	5,209	AF2B30T61Y	438	208-230/460	66.0	92.4	1.25	28.12	A,US
30	1800	286T	**170015.60**	√	4,422	C286T17FB5	442	208-230/460	70.0	94.1	1.15	27.83	C,CN
30	1800	286T	**LM13964**	√	4,658	AF4B30T61Y	426	208-230/460	75.0	93.6	1.25	28.12	A,US
30	1200	326T	**170005.60**	√	7,119	C326T11FB3	624	208-230/460	77.0	93.6	1.15	31.02	C,CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient
▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Motors
Totally Enclosed Fan Cooled
General Purpose - Standard,
EPAct and Premium Efficient - Three Phase Motors

Ultimate *e*® Motors
see pages 73-77

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
40	3600	324TS	**170039.60**	√	5,917	C324T34FB3	510	208-230/460	89.0	93.6	1.25	28.03	C, CN
40	3600	324T	**LM32671**	C/A	7,689	SF2B40T61Y	535	208-230/460	88.0	93.6	1.25	28.50	S, US
40	1800	324T	**170019.60**	√	5,874	C324T17FB5	539	208-230/460	92.0	94.1	1.15	29.53	C, CN
40	1800	324T	**LM13699**	√	9,234	SF4B40T61Y	504	208-230/460	101.0	94.1	1.25	28.50	S, US
40	1800	324TS	**LM32686**	C/A	9,234	SF4B40TS61Y	504	208-230/460	101.0	94.1	1.25	27.00	S, US
40	1200	364T	**170096.60**	√	9,758	C364T11FB4	788	208-230/460	102.0	94.1	1.15	32.64	C, CN
50	3600	326TS	**170041.60**	√	7,186	C326T34FB4	564	208-230/460	111.0	94.5	1.25	29.53	C, CN
50	3600	326T	**LM32669**	C/A	9,174	SF2B50T61Y	558	208-230/460	111.0	94.1	1.25	30.00	S, US
50	1800	326T	**170023.60**	√	7,094	C326T17FB7	587	208-230/460	117.0	94.5	1.15	31.02	C, CN
50	1800	326T	**LM13701**	√	9,121	SF4B50T61Y	585	208-230/460	127.0	94.5	1.25	36.00	S, US
50	1800	326TS	**LM32815**	C/A	9,121	SF4B50TS61Y	558	208-230/460	127.0	94.5	1.25	34.50	S, US
50	1200	365T	**170097.60**	√	11,711	C365T11FB5	682	208-230/460	124.0	94.1	1.15	33.62	C, CN
60	3600	364TS	**170043.60**	√	10,658	C364T34FB3	758	208-230/460	136.0	94.1	1.15	30.51	C, CN
60	1800	364T	**170027.60**	√	10,090	C364T17FB6	899	208-230/460	137.0	95.4	1.15	32.64	C, CN
60	1800	364T	**LM14809**	√	12,326	SF4B60T61Y	765	208-230/460	144.0	95.0	1.25	31.90	S, US
60	1200	404T	**170098.60**	√	13,813	C404T11FB3	1035	208-230/460	142.0	94.5	1.25	36.42	C, CN
75	3600	365TS	**170045.60**	√	13,056	C365T34FB3	800	208-230/460	169.0	94.5	1.15	31.50	C, CN
75	1800	365T	**170031.60**	√	12,592	C365T17FB4	1028	208-230/460	171.0	95.8	1.15	33.62	C, CN
75	1800	365T	**LM14811**	√	12,343	SF4B75T61Y	822	208-230/460	178.0	95.4	1.15	32.90	S, US
75	1800	365TS	**LM32672**	√	12,343	SF4B75TS61Y	822	208-230/460	178.0	95.4	1.25	30.77	S, US
75	1200	405T	**170099.60**	√	14,560	C405T11FB5	995	208-230/460	176.0	95.0	1.25	37.91	C, CN
100	3600	405TS	**170160.60**	√	16,076	C449T11FB1	975	208-230/460	218.0	95.0	1.25	34.92	C, CN
100	1800	405T	**170087.60**	√	15,658	C405T17FB4	1090	208-230/460	225.0	95.4	1.15	37.91	C, CN
100	1800	405T	**LM13940**	√	14,911	SF4B100T61Y	1052	208-230/460	244.0	95.4	1.15	38.40	S, US
100	1800	405TS	**LM32819**	√	14,911	SF4B100TS61Y	1052	208-230/460	244.0	95.4	1.15	35.40	S, US
100	1200	444T	**170256.60**	√	20,726	C444T11FB6	1457	460	121.0*	95.0	1.25	42.87	C, CN
125	3600	444TS	**171580.60**	√	19,194	C444T34FB8	1373	460	132.0*	95.0	1.25	39.10	C, CN
125	1800	444T	**170369.60**	√	20,789	C444T17FB5	1576	460	137.0*	95.4	1.15	42.87	C, CN
125	1800	444T	**LM13704**	√	19,933	SF4B125T64Y	1351	460	146.0*	96.2	1.15	41.58	S, US
125	1800	444TS	**LM32820**	C/A	19,933	SF4B125TS64Y	1351	460	146.0*	96.2	1.15	37.83	S, US
125	1200	445T	**170260.60**	√	23,418	C445T11FB5	1596	460	155.0*	95.4	1.25	44.88	C, CN

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient
▼ LM Numbers are Lincoln Models
C/A - Check Availability
*Amps at 460 volts

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Motors
Totally Enclosed Fan Cooled
General Purpose - Standard, EPAct and Premium Efficient - Three Phase Motors

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
150	3600	445TS	**171578.60**	√	23,690	C445T34FB3	1445	460	163.0	95.0	1.15	41.11	C, CN
150	1800	445T	**170371.60**	√	23,786	C445T17FB8	1627	460	163.0	95.8	1.15	44.88	C, CN
150	1800	445T	**LM13707**	√	23,121	SF4B150T64Y	1531	460	168.0	96.2	1.15	43.58	S, US
150	1800	445TS	**LM32679**	C/A	23,121	SF4B150TS64Y	1504	460	168.0	96.2	1.15	39.49	S, US
150	1200	447T	**171315.60**	√	26,407	C447T11FB1	2230	460	185.0	95.8	1.25	48.00	C, CN
200	3600	447TS	**171579.60**	√	27,284	C447T34FB3	2100	460	216.0	95.4	1.25	48.00	C, CN
200	3600	445TS	**LM13709**	C/A	36,245	SF2B200TS64Y	1531	460	211.0	95.4	1.15	39.49	S, US
200	1800	447T	**170352.60**	√	27,242	C447T17FB8	2785	460	216.0	96.2	1.15	48.00	C, CN
200	1800	445T	**LM13710**	√	28,594	SF4B200T64Y	1531	460	227.0	95.0	1.15	43.58	S, US
200	1200	449T	**171316.60**	√	34,589	C449T11FB1	2542	460	241.0	96.2	1.25	52.80	C, CN
200	1200	449T	**LM13711**	C/A	33,145	SF6B200T64Y	1812	460	260	95.8	1.15	52.08	S, US
250	3600	449TS	**LM16222**	C/A	36,407	SF2P250TS64Y	2185	460	263.0	95.8	1.15	47.99	S, US
250	3600	447TS	**LM13712**	C/A	36,407	SF2B250TS64Y	1812	460	263.0	95.8	1.15	42.99	S, US
250	1800	449T	**G151516.60**	D	29,451	C449T17FB3	2541	460	274.0	95.0	1.15	52.80	C, CN
250	1800	449T	**171516.60**	√	31,512	C449T17FB11	——	460	274.0	96.2	1.15	——	C, CN
250	1800	447T	**LM13557**	D	29,808	SF4P250T64Y	1812	460	283.0	95.0	1.15	47.08	S, US
250	1800	447T	**LM13713**	C/A	36,000	SF4B250T64Y	1812	460	282.0	95.4	1.15	47.08	S, US
250	1200	449T	**LM13714**	D	40,429	CCF6B250T64Y	3408	460	300.0	95.8	1.15	52.08	C, US
250	1200	449T	**LM34573**	C/A	38,729	CC6B250T64Y	3350	460	300	95.8	1.15	51.69	C, US
300	3600	449TS	**LM13715**	C/A	54,511	SF2B300TS64Y	2185	460	314	95.8	1.15	47.99	S, US
300	1800	449T	**171529.60**	√	35,475	C449T17FB12	——	460	——	96.2	1.15	——	C, CN
300	1800	447T	**LM13716**	C/A	39,409	SF4B300T64Y	2185	460	352	96.2	1.15	47.08	S, US
300	1800	449T	**LM17953**	D	31,163	SF4P300T64Y	1812	460	338	95.4	1.15	52.08	S, US
300	1800	447/449T	**LM17956**	√	39,409	S449F4B300T64Y	2185	460	337	96.2	1.15	——	S, US
350	3600	449TS	**LM13719**	C/A	59,357	SFB350TS64Y	2185	460	370	95.8	1.15	47.99	S, US
350	1800	449T	**171530.60**	√	36,585	C449T17FB13	——	460	——	96.2	1.15	——	C, CN
350	1800	449T	**LM34528**	C/A	40,676	CCF4B350T64PYGB	3400	460	395	96.2	1.15	52.07	C, US
400	3600	449TS	**LM34555**	C/A	46,444	CCF2B400TS64YE3	2733	460	420	95.8	1.00	52.96	C, US
400	1800	449T	**LM33803**	C/A	53,361	CCF4B400T64YE3	3558	460	460	96.5	1.15	56.71	C, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

Three Phase C Face Motors
Totally Enclosed - General Purpose

Ultimate *e*® Motors
see pages 73-77

Three Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/6	1800	48CZ	**102662.00**	√	342	C4T17FC31	15	208-230/460	0.7	71.0	1.00	9.44	S, MX
1/4	3600	48CZ	**101965.00**	√	448	C4T34NC11	15	208-230/460	1.0	67.0	1.00	9.03	S, US 12
1/4	1800	48CZ	**101966.00**	√	387	C4T17NC35	18	208-230/460	1.0	78.0	1.15	9.31	S, MX 12
1/4	1800	48CZ	**101981.00**	√	387	C4T17FC19	17	208-230/460	1.4	58.0	1.15	8.94	S, MX
1/4	1800	S56C	**101648.00**	√	380	C4T17NC28	17	208-230/460	1.0	78.0	1.15	9.56	S, MX 12
1/4	1800	S56C	**101767.00**	√	380	C4T17FC9	19	208-230/460	1.4	58.0	1.15	9.69	S, MX
1/4	1800	56C	**LM24964**	√	402	SRF4S0.25TCN61	14	208-230/460	1.1	71.0	1.15	11.32	S, US
1/3	3600	56C	**110446.00**	√	378	C6T34NC2	20	208-230/460	1.2	77.0	1.15	9.90	S, US 12
1/3	1800	48CZ	**102664.00**	√	394	C4T17FC30	20	208-230/460	1.6	64.3	1.15	9.19	S, MX
1/3	1800	S56C	**101769.00**	√	407	C4T17FC10	20	208-230/460	1.6	64.3	1.15	9.69	S, MX
1/3	1800	S56C	**LM24093**	√	435	SRF4S0.33TCN61	15	208-230/460	1.6	65.5	1.15	10.19	S, MX
1/3	1800	S56C	**102863.00**	√	418	C4T17NC47	19	208-230/460	1.3	77.0	1.15	9.56	S, MX 12
1/3	1800	S56C	**102696.00**	√	571	C4T17FC33	22	208-230/460	1.3	77.0	1.25	10.19	S, MX
1/3	1200	48C	**101291.00**	√	635	C4T11NC1	20	208-230/460	1.8	73.0	1.00	9.56	S, MX
1/3	1200	56C	**113311.00**	√	635	C6T11FC16	22	208-230/460	1.6	65.0	1.15	10.81	S, US
1/3	1200	56C	**LM24858**	√	665	SRF6S0.33TCN61	21	208-230/460	2.2	62.0	1.15	11.32	S, MX
1/2	3600	48C	**100449.00**	√	440	C4T34NC4	23	208-230/460	1.6	67.0	1.00	10.06	S, US 12
1/2	3600	56C	**110144.00**	√	440	C6T34NC1	25	208-230/460	1.6	82.5	1.15	10.40	S, US 12
1/2	3600	56C	**114176.00**	√	440	C6T34FC42	19	208-230/460	2.0	72.0	1.15	10.31	S, US
1/2	1800	48CZ	**100486.00**	√	497	C4T17NC11	24	208-230/460	1.6	78.0	1.00	10.31	S, MX 12
1/2	1800	48CZ	**102666.00**	√	475	C4T17FC32	24	208-230/460	2.0	73.0	1.15	9.69	S, MX
1/2	1800	S56C	**102861.00**	√	495	C4T17NC46	23	208-230/460	1.8	77.0	1.15	10.06	S, MX 12
1/2	1800	S56C	**102860.00**	√	475	C4T17FC40	19	208-230/460	2.0	73.0	1.15	10.19	S, MX
1/2	1800	S56C	**LM24083**	√	531	SRF4S0.5TCN61	17	208-230/460	2.2	70.0	1.15	10.69	S, MX
1/2	1800	S56C	**101780.00**	√	612	C4T17FC12	25	208-230/460	1.8	77.0	1.15	10.69	S, MX
1/2	1200	56C	**110163.00**	√	687	C6T11FC1	25	208-230/460	2.4	70.0	1.15	11.31	S, US
1/2	1200	56C	**LM24128**	√	715	SRF6S0.5TCN61	23	208-230/460	2.7	68.0	1.15	11.82	S, MX
1/2	900	143TC	**LM24965**	C/A	1,089	SSF8S0.5TCN61	31	208-230/460	2.6	66.0	1.15	13.37	S, US
3/4	3600	56C	**110448.00**	√	462	C6T34FC9	21	208-230/460	2.4	75.5	1.15	10.81	S, US
3/4	3600	56C	**LM24151**	C/A	480	SRF2S0.75TCN61	22	208-230/460	3.2	74.0	1.15	11.82	S, US
3/4	1800	56C	**110047.00**	√	515	C6T17FC1	22	208-230/460	2.8	77.0	1.15	10.81	S, US
3/4	1800	S56C	**LM24077**	√	551	SRF4S0.75TCN61	21	208-230/460	2.8	75.5	1.15	11.19	S, MX
3/4	1800	56C	**114213.00**	√	659	C6T17FC114	27	208-230/460	2.7	81.5	1.15	11.31	S, US
3/4	1200	143TC	**120097.00**	√	719	C143T11FC1	32	208-230/460	3.0	80.0	1.15	10.88	S, US
3/4	1200	56C	**112378.00**	√	719	C6T11FC10	29	208-230/460	3.0	75.5	1.15	11.81	S, US
3/4	900	145TC	**LM24967**	C/A	1,240	SSF8S0.75TCN61	49	208-230/460	4.2	70.0	1.15	14.87	S, US

Continued on next page

Green items are Premium Efficient
▼ LM Numbers are Lincoln Models
C/A - Check Availability
Note 12 - TENV

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56C	**110112.00**	√	542	C6T34FC6	21	208-230/460	3.2	77.0	1.15	10.81	S, US
1	3600	56C	**116748.00**	√	733	C6T34FC97	29	208-230/460	2.8	80.0	1.25	11.31	S, US
1	1800	56C	**LM34158**	√	915	SRF3B1TCN61	34	208-230/460	——	85.5	1.15	——	S, MX
1	1800	56C	**114638.00**	√	915	C6T17FC132	34	208-230/460	3.4	85.5	1.15	12.81	S, US
1	1800	143TC	**LM24148**	D	678	SSF4P1TCN61	28	208-230/460	3.6	82.5	1.25	12.87	S, MX
1	1800	143TC	**LM34159**	C/A	915	SSF4B1TCN61	34	208-230/460	——	85.5	1.25	——	S, MX
1	1800	143TC	**121067.00**	√	915	C143T17FC16	36	208-230/460	3.4	85.5	1.15	13.25	S, US
1	1200	56C	**116749.00**	√	962	C6T11FC29	39	208-230/460	3.8	82.5	1.25	13.75	S, US
1	1200	56C	**LM24130**	D	738	SRF6S1TCN61	33	208-230/460	4.0	78.5	1.15	12.82	S, MX
1	1200	56C	**LM34162**	√	962	SRF6B1TCN61	39	208-230/460	——	82.5	1.15	——	S, MX
1	1200	145TC	**122165.00**	√	962	C145T11FC12	39	208-230/460	3.8	82.5	1.15	——	S, US
1	1200	145TC	**LM32846**	C/A	845	SSF6B1TCN61	33	208-230/460	3.6	82.5	1.15	12.50	S, US
1 1/2	3600	56C	**116750.00**	√	831	C6T34FC98C	33	208-230/460	4.0	84.0	1.25	11.98	S, US
1 1/2	3600	143TC	**122166.00**	√	831	C143T34FC22	32	208-230/460	4.0	84.0	1.15	——	S, US
1 1/2	1800	56C	**116743.00**	√	965	C6T17FC209	41	208-230/460	4.8	86.5	1.25	13.31	S, US
1 1/2	1800	56C	**LM34161**	√	965	SRF4B1.5TCN61	33	208-230/460	4.6	86.5	1.15	——	S, MX
1 1/2	1800	145TC	**121066.00**	√	965	C145T17FC37	41	208-230/460	4.8	86.5	1.15	13.75	S, US
1 1/2	1800	145TC	**LM34154**	√	965	SSF4B1.5TCN61	37	208-230/460	4.4	86.5	1.25	14.37	S, MX
1 1/2	1200	56C	**132596.00**	√	805	C182T11FC7	86	208-230/460	5.2	87.5	1.15	15.09	S, MX, ♦
1 1/2	1200	182TC	**G132249.00**	D	904	C182T11FC4	82	208-230/460	5.6	85.5	1.15	14.96	S, MX
1 1/2	1200	182TC	**132431.00**	√	1,415	C182T11FC113	87	208-230/460	5.2	87.5	1.15	15.96	S, MX

Continued on next page

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability
♦ Note: Motor 132596.00 mounts like a NEMA 56 frame, having a barrel diameter of a 180 frame motor

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase C Face Motors
Totally Enclosed - General Purpose

Ultimate *e*® Motors
see pages 73-77

Three Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56C	**116751.00**	√	962	C6T34FC94	44	208-230/460	4.8	85.5	1.25	14.25	S, US
2	3600	56C	**LM34163**	√	962	SRF2B2TCN61	44	208-230/460	6.0	85.5	1.15	——	S, US
2	3600	145TC	**122167.00**	√	962	C145T34FC44	48	208-230/460	4.8	85.5	1.15	13.42	S, US
2	3600	145TC	**LM32678**	D	815	SSF2P2TCN61	45	208-230/460	5.2	84.0	1.15	13.37	S, US
2	3600	145TC	**LM34160**	√	962	SSF2B2TCN61	48	208-230/460	5.2	85.5	1.15	14.37	S, US
2	1800	56C	**116744.00**	√	1,014	C6T17FC210	45	208-230/460	5.8	86.5	1.25	13.82	S, US
2	1800	56C	**LM34155**	√	1,014	SRF4B2TCN61	45	208-230/460	——	86.5	1.15	15.10	S, MX
2	1800	145TC	**121065.00**	√	1,014	C145T17FC38	45	208-230/460	5.8	86.5	1.25	14.26	S, US
2	1800	145TC	**LM24125**	D	737	SSF4P2TCN61	39	208-230/460	5.6	84.0	1.25	13.87	S, MX
2	1800	145TC	**LM34153**	√	1,014	SSF4B2TCN61	45	208-230/460	5.6	86.5	1.25	——	S, MX
2	1200	184TC	**132430.00**	√	1,435	C184T11FC112	80	208-230/460	6.4	88.5	1.15	14.97	S, MX
3	3600	56C	**119414.00**	√	1,053	C6T34FC123	44	208-230/460	8.0	86.5	1.15	13.86	S, US
3	3600	145TC	**122171.00**	√	1,053	C145T34FC45	49	208-230/460	8.0	86.5	1.15	13.92	S, US
3	3600	145TC	**LM32848**	D	929	SSF2S3TCN61	40	208-230/460	7.6	85.5	1.15	13.42	S, US
3	3600	145TC	**LM34165**	√	1,053	SSF2B3TCN61	49	208-230/460	7.6	85.5	1.15	13.42	S, US
3	3600	182TC	**132433.00**	√	1,196	C182T34FC7	60	208-230/460	7.8	86.5	1.15	12.97	S, MX
3	1800	56C	**113890.00**	D	825	C6T17FC91	43	208-230/460	8.6	82.5	1.00	13.81	S, US
3	1800	56C	**132595.00**	√	1,087	C182T17FC47	72	208-230/460	7.8	89.5	1.15	12.52	S, MX, ♠
3	1800	182TC	**131503.00**	√	1,087	C182T17FC26	72	208-230/460	7.8	89.5	1.15	14.96	S, MX
3	1800	182TC	**LM33574**	D	888	AAF4P3TCN61AP26	91	208-230/460	8.4	87.5	1.25	14.96	A, MX
3	1800	182TC	**LM33573**	√	1,087	AAF4B3TCN61AP26	95	208-230/460	8.0	89.5	1.25	14.96	A, MX
3	1800	182TC	**LM33337**	D	830	SSF4P3TCN61	67	208-230/460	8.2	87.5	1.15	13.96	S, MX
3	1800	182TC	**LM34353**	√	1,087	SSF4B3TCN61	72	208-230/460	7.8	89.5	1.15	13.97	S, MX
3	1200	213TC	**141231.00**	√	1,524	C215T11FC4	145	208-230/460	8.8	89.5	1.15	20.96	S, MX

Continued on next page

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
♠ Note: Motor 132595.00 mounts like a NEMA 56 frame, having a barrel diameter of a 180 frame motor

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
5	3600	184TC	**132434.00**	√	1,240	C184T34FC28	99	208-230/460	12.0	88.5	1.15	14.97	S, MX
5	1800	184TC	**131501.00**	√	1,173	C184T17FC29	90	208-230/460	12.8	89.5	1.15	15.97	S, MX
5	1800	184TC	**LM33575**	√	1,243	AAF4B5TCN61AP26	115	208-230/460	——	89.5	1.25	——	A, MX
5	1200	215TC	**141232.00**	√	1,743	C215T11FC5	156	208-230/460	14.0	89.5	1.15	20.96	S, MX
7 1/2	3600	184TC	**132561.00**	√	1,336	C184T34FC32	102	208-230/460	16.8	89.5	1.00	15.97	S, MX
7 1/2	3600	213TC	**141234.00**	√	1,517	C213T34FC1	158	208-230/460	18.6	89.5	1.00	19.46	S, MX
7 1/2	3600	213TC	**171852.60**	√	1,509	C213T34FC44	159	208-230/460	18.0	89.5	1.25	18.86	C, CN
7 1/2	1800	213TC	**140486.00**	√	1,364	C213T17FC7	144	208-230/460	21.4	91.7	1.25	18.70	S, MX
7 1/2	1800	213TC	**171851.60**	√	1,426	C213T17FC43	148	208-230/460	——	91.7	1.25	18.86	C, CN
10	3600	215TC	**141233.00**	√	1,538	215T34FC7	112	208-230/460	23.6	90.2	1.15	20.57	S, MX
10	3600	215TC	**171854.60**	√	1,570	C215T34FC43	153	208-230/460	23.6	90.2	1.25	20.36	C, CN
10	1800	215TC	**140484.00**	√	1,646	C215T17FC4	160	208-230/460	26.6	91.7	1.25	19.70	S, MX
10	1800	215TC	**171853.60**	√	1,460	C215T17FC42	173	208-230/460	25.2	91.7	1.25	20.36	C, CN
10	1800	215TC	**LM34166**	√	1,978	AF4B10TCN61	155	208-230/460	26.6	91.7	1.25	19.63	A, US
15	3600	215TC	**141235.00**	√	2,187	C215T34FC8	165	208-230/460	35.0	91.0	1.15	20.96	S, MX
15	3600	215TC	**171349.60**	√	2,708	C215T34FC45	182	208-230/460	34.6	91.0	1.25	23.19	C, CN
15	1800	254TC	**171479.60**	√	2,809	C254T17FC6	284	208-230/460	36.0	92.4	1.25	23.19	C, CN
15	1800	254TC	**LM16828**	C/A	2,789	AF4B15TCN61	210	208-230/460	37.5	92.4	1.25	24.02	A, US
20	3600	256TC	**171480.60**	√	3,303	C256T34FC7	326	208-230/460	46.0	91.0	1.25	24.92	C, CN
20	1800	256TC	**171352.60**	√	3,372	C256T17FC5	325	208-230/460	49.0	93.0	1.15	24.92	C, CN
25	1800	284TC	**G151507.60**	D	3,331	C284T17FC5	355	208-230/460	58.8	92.4	1.15	26.26	C, CN
25	1800	284TC	**171507.60**	√	4,308	C284T17FC6	388	208-230/460	59.0	93.6	1.15	26.26	C, CN
30	1800	286TC	**171508.60**	√	5,137	C286T17FC6	436	208-230/460	70.0	93.6	1.15	27.83	C, CN
40	1800	324TC	**G151509.60**	D	5,074	C324T17FC5	562	208-230/460	94.0	93.0	1.15	29.53	C, CN
40	1800	324TC	**171509.60**	√	6,771	C324T17FC6	575	208-230/460	92.0	94.1	1.15	29.53	C, CN
50	1800	326TC	**171510.60**	√	7,424	C326T17FC6	635	208-230/460	117.0	94.5	1.15	31.02	C, CN
60	1800	364TC	**171519.60**	√	8,856	C364T17FC10	689	208-230/460	138.0	95.4	1.15	32.64	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

Three Phase C Face Motors
Totally Enclosed - General Purpose

Ultimate *e*® Motors
see pages 73-77

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	**LM24946**	C/A	428	SRF4S0.25TC61	21	208-230/460	1.3	62.5	1.15	9.94	S, US
1/3	1800	S56C	**102921.00**	√	456	C4T17NK3	18	208-230/460	1.3	77.0	1.15	9.56	S, MX,12
1/3	1800	S56C	**102922.00**	√	454	C4T17FK11	19	208-230/460	1.3	77.0	1.15	10.19	S, MX
1/3	1800	S56C	**LM24114**	C/A	473	SRF4S0.33TC61	21	208-230/460	1.6	65.5	1.15	10.1	S, MX
1/3	1800	S56C	**102697.00**	√	581	C4T17FK5	22	208-230/460	1.3	77.0	1.25	10.19	S, MX
1/2	3600	56C	**110182.00**	C/A	457	C6T344NK1	26	208-230/460	1.6	82.5	1.15	10.4	S, MX,12
1/2	3600	56C	**114142.00**	√	457	C6T34FK46	21	208-230/460	2.6	68.0	1.15	10.81	S, US
1/2	3600	56C	**LM24129**	√	490	SRF2S0.5TC61	22	208-230/460	2.2	69.0	1.15	11.81	S, US
1/2	1800	S56C	**102919.00**	√	525	C4T17NK2	22	208-230/460	2.0	77.0	1.15	10.06	S, MX,12
1/2	1800	S56C	**102917.00**	√	525	C4T17FK10	19	208-230/460	2.0	73.0	1.15	10.19	S, MX
1/2	1800	S56C	**LM24074**	√	533	SRF4S0.5TC61	18	208-230/460	2.2	70.0	1.15	10.69	S, MX
1/2	1800	S56C	**102024.00**	√	626	C4T17FK2	23	208-230/460	1.8	77.0	1.15	10.69	S, MX
1/2	1200	56C	**110914.00**	√	707	C6T11FK1	25	208-230/460	2.4	70.0	1.15	11.31	S, US
1/2	1200	56C	**LM24104**	C/A	748	SRF6S0.5TC61	24	208-230/460	2.7	68.0	1.15	11.81	S, MX
1/2	900	143TC	**LM24949**	√	1,089	SSF8S0.5TC61	31	208-230/460	2.6	66.0	1.15	13.37	S, US
3/4	3600	56C	**110915.00**	√	494	C6T34FK6	23	208-230/460	2.4	75.5	1.15	10.81	S, US
3/4	3600	56C	**LM24134**	√	537	SRF2S0.75TC61	22	208-230/460	3.2	74.0	1.15	11.81	S, US
3/4	1800	56C	**110916.00**	√	565	C6T17FK5	22	208-230/460	2.8	77.0	1.15	10.81	S, US
3/4	1800	S56C	**LM24076**	√	569	SRF4S0.75TC61	20	208-230/460	2.8	75.5	1.15	11.19	S, MX
3/4	1800	56C	**114624.00**	√	672	C6T17FK58	25	208-230/460	2.7	81.5	1.25	11.31	S, US
3/4	1200	56C	**116340.00**	√	740	C6T11FK12	29	208-230/460	3.0	75.5	1.15	11.81	S, US
3/4	1200	56C	**LM24140**	√	766	SRF6S0.75TC61	26	208-230/460	3.2	74.0	1.15	12.31	S, MX
3/4	1200	143TC	**120485.00**	√	740	C143T11FK2	34	208-230/460	3.0	75.5	1.15	13.25	S, US
3/4	1200	143TC	**LM24273**	C/A	766	SSF6S0.75TC61	28	208-230/460	3.2	74.0	1.15	12.37	S, MX
3/4	900	145TC	**LM24265**	√	1,240	SSF8S0.75TC61	49	208-230/460	4.8	70.0	1.15	14.87	S, US
1	3600	56C	**110181.00**	√	586	C6T34FK1	24	208-230/460	3.2	77.0	1.15	10.81	S, US
1	3600	56C	**LM34169**	√	663	SRF2B1TC61	27	208-230/460	3.0	77.0	1.15	11.81	S, US
1	1800	56C	**116745.00**	√	947	C6T17FK98	34	208-230/460	3.4	85.5	1.25	12.81	S, US
1	1800	56C	**LM34167**	√	947	SRF4B1TC61	34	208-230/460	3.3	85.5	1.15	14.15	S, MX
1	1800	143TC	**121179.00**	√	947	C143T17FK9	34	208-230/460	3.4	85.5	1.15	13.25	S, US
1	1800	143TC	**LM32822**	√	799	SSF4B1TC61	41	208-230/460	3.2	85.5	1.25	12.93	S, US
1	1200	145TC	**121936.00**	√	927	C145T11FK7	47	208-230/460	3.8	81.5	1.25	13.75	S, US
1	1200	56HC	**LM34168**	√	953	SRF6B1TC61	42	208-230/460	3.8	82.5	1.15	15.15	S, MX
1	1200	145TC	**LM32823**	√	953	SSF6B1TC61	47	208-230/460	3.8	82.5	1.25	14.87	S, US
1	900	182TC	**LM33566**	C/A	1,526	AAF8B1TC61AP26	77	208-230/460	4.4	82.5	1.15	14.96	A, MX

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Green items are Premium Efficient
▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase C Face Motors
Totally Enclosed - General Purpose

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	3600	56C	**119416.00**	√	846	C6T34FK131	32	208-230/460	4.0	84.0	1.15	11.98	S, US
1 1/2	3600	56C	**LM34171**	√	846	SRF2B1.5TC61	44	208-230/460	4.2	84.0	1.15	13.32	S, US
1 1/2	3600	143TC	**121672.00**	√	866	C143T34FK15	33	208-230/460	3.6	84.0	1.25	13.25	S, US
1 1/2	1800	56C	**116746.00**	√	982	C6T17FK96	37	208-230/460	5.6	86.5	1.25	13.31	S, US
1 1/2	1800	56HC	**LM34170**	√	982	SRF4B1.5TC61	37	208-230/460	4.6	86.5	1.15	14.65	S, MX
1 1/2	1800	145TC	**121180.00**	√	982	C145T17FK26	37	208-230/460	5.6	86.5	1.15	13.75	S, US
1 1/2	1800	145TC	**LM32825**	√	836	SSF4B1.5TC61	44	208-230/460	4.6	86.5	1.15	14.37	S, US
1 1/2	1200	182TC	**132435.00**	√	1,435	C182T11FK5	89	208-230/460	5.2	87.5	1.15	15.96	S, MX
1 1/2	1200	182TC	**LM33567**	√	1,130	AAF6B1.5TC61AP26	95	208-230/460	4.4	87.5	1.25	14.97	A, MX
2	3600	56C	**119417.00**	√	851	C6T34FK132	39	208-230/460	4.8	85.5	1.15	12.98	S, US
2	3600	56HC	**LM34173**	√	851	SRF2B2TC61	42	208-230/460	5.0	85.5	1.15	14.32	S, US
2	3600	145TC	**121673.00**	√	888	C145T34FK39	44	208-230/460	4.8	85.5	1.25	13.75	S, US
2	3600	145TC	**LM32828**	√	928	SSF2B2TC61	40	208-230/460	4.8	85.5	1.25	13.43	S, US
2	1800	56HC	**116747.00**	√	1,026	C6T17FK97	43	208-230/460	5.8	86.5	1.25	13.82	S, US
2	1800	56HC	**LM34172**	√	1,026	SRF4B2TC61	54	208-230/460	6.0	86.5	1.15	15.15	S, US
2	1800	145TC	**121181.00**	√	1,026	C145T17FK27	43	208-230/460	5.8	86.5	1.25	14.26	S, US
2	1800	145TC	**LM32829**	√	907	SSF4B2TC61	46	208-230/460	6.0	86.5	1.15	14.87	S, MX
2	1200	184TC	**132243.00**	√	1,171	C184T11FK6	93	208-230/460	7.2	88.5	1.15	15.96	S, MX
2	1200	184TC	**LM33569**	√	1,249	AAF6B2TC61AP26	88	208-230/460	6.0	88.5	1.25	14.97	A, MX
2	900	213TC	**LM34174**	C/A	2,403	AAF8B2TC61	113	208-230/460	10.0	86.5	1.15	——	A, US

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Green items are Premium Efficient
▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase C Face Motors
Totally Enclosed - General Purpose

Ultimate *e*® Motors
see pages 73-77

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	56HC	**119418.00**	√	1,041	C6T34FK133	43	208-230/460	8.0	86.5	1.15	13.48	S, US
3	3600	145TC	**121929.00**	√	1,090	C145T34FK43	45	208-230/460	7.6	86.5	1.15	13.76	S, US
3	3600	182TC	**132079.00**	√	1,230	C182T34FK10	70	208-230/460	7.6	86.5	1.25	13.96	S, MX
3	3600	182TC	**171564.60**	C/A	1,271	C182T34FK14	66	208-230/460	7.2	86.5	1.15	16.76	C, CN
3	3600	182TC	**LM16741**	D	1,253	AAF2B3TC61	95	208-230/460	7.6	87.5	1.25	15.83	A, US
3	3600	182TC	**LM33570**	√	1,253	AAF2B3TC61AP26	95	208-230/460	7.6	87.5	1.25	14.97	A, MX
3	1800	182TC	**131504.00**	√	1,107	C182T17FK14	75	208-230/460	7.8	89.5	1.15	14.96	S, MX
3	1800	182TC	**LM33485**	√	1,101	AAF4B3TC61AP26	75	208-230/460	8.0	89.5	1.25	14.97	A, MX
3	1800	182TC	**171565.60**	√	1,234	C182T17FK27	125	208-230/460	7.8	89.5	1.15	15.89	C, CN
3	1200	215TC	**140834.00**	√	1,582	C215T11FK9	170	208-230/460	9.4	89.5	1.15	18.21	S, MX
3	1200	213TC	**LM16744**	√	1,776	AF6B3TC61	131	208-230/460	8.8	89.5	1.25	19.45	S, MX
5	3600	184TC	**171446.60**	√	1,322	C184T34FK44	111	208-230/460	12.0	88.5	1.15	16.80	C, CN
5	3600	184TC	**132080.00**	√	1,267	C184T34FK32	100	208-230/460	12.0	88.5	1.25	16.46	S, MX
5	3600	184TC	**LM16745**	D	1,628	AAF2B5TC61	104	208-230/460	11.8	89.5	1.25	16.83	A, US
5	3600	184TC	**LM33571**	√	1,628	AAF2B5TC61AP26	104	208-230/460	11.8	89.5	1.25	14.97	A, MX
5	1800	184TC	**171566.60**	√	1,280	C184T17FK35	109	208-230/460	12.8	89.5	1.15	16.80	C, CN
5	1800	184TC	**131502.00**	√	1,200	C184T17FK15	99	208-230/460	12.8	89.5	1.15	15.97	S, MX
5	1800	184TC	**LM33484**	√	1,276	AAF4B5TC61AP26	104	208-230/460	12.4	90.2	1.25	16.83	A, MX
5	1200	215TC	**171116.60**	√	1,970	C215T11FB11	180	208-230/460	14.4	89.5	1.15	19.61	C, CN
5	1200	215TC	**LM16748**	√	2,036	AF6B5TC61	149	208-230/460	13.8	89.5	1.25	19.45	A, US
5	1200	215TC	**LM32835**	√	1,788	SSF6B5TC61	149	208-230/460	14.0	89.5	1.15	20.97	S, MX
5	900	254TC	**LM32836**	√	2,913	AF8B5TC61	244	208-230/460	15.0	87.5	1.15	23.40	A, US
7 1/2	3600	184TC	**132313.00**	√	1,377	C184T34FK48	103	208-230/460	17.6	89.5	1.15	15.97	S, MX
7 1/2	3600	213TC	**140770.00**	√	1,564	C215T34FK11	160	208-230/460	17.8	90.2	1.15	19.64	S, MX
7 1/2	3600	213TC	**170166.60**	√	1,557	C213T34FK5	147	208-230/460	18.0	89.5	1.15	18.19	C, CN
7 1/2	1800	213TC	**140521.00**	√	1,371	C213T17FK7	144	208-230/460	21.4	91.7	1.25	18.70	S, MX
7 1/2	1800	213TC	**170165.60**	√	1,471	C286T17DK5	155	208-230/460	18.6	91.7	1.15	18.19	C, CN
7 1/2	1800	213TC	**LM16752**	√	1,925	AF4B7.5TC61	138	208-230/460	19.2	91.6	1.25	19.45	A, US
7 1/2	1200	254TC	**170138.60**	√	2,836	C254T11FK9	249	208-230/460	22.2	91.0	1.15	23.19	C, CN
7 1/2	1200	254TC	**LM16753**	√	2,787	AAF6B7.5TC61	221	208-230/460	19.8	91.0	1.25	23.40	A, US
7 1/2	900	256TC	**LM32839**	C/A	3,423	AF8B7.5TC61	203	208-230/460	23.0	86.5	1.15	25.15	A, US

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
10	3600	215TC	**140769.00**	√	1,769	C213T34FK1	175	208-230/460	23.6	91.7	1.15	21.09	S, MX
10	3600	215TC	**LM32840**	C/A	1,986	SSF2B10TC1	125	208-230/460	23.6	91.7	1.25	22.22	S, MX
10	3600	215TC	**170168.60**	√	1,823	C215T34FK15	181	208-230/460	23.4	90.2	1.15	19.61	C, CN
10	3600	215TC	**LM16755**	√	2,065	AF2B10TC61	149	208-230/460	23.6	91.7	1.25	20.45	A, US
10	1800	215TC	**140522.00**	√	1,655	C215T17FK3	160	208-230/460	26.6	91.7	1.25	19.70	S, MX
10	1800	215TC	**LM32841**	√	1,641	SSF4B10TC61	135	208-230/460	25.6	91.7	1.25	20.97	S, MX
10	1800	215TC	**170167.60**	√	1,683	C215T17FK20	177	208-230/460	25.0	91.7	1.15	19.61	C, CN
10	1800	215TC	**LM16757**	√	2,035	AF4B10TC61	149	208-230/460	25.0	91.7	1.25	19.45	A, US
10	1200	256TC	**170139.60**	√	3,161	C25T11FK11	300	208-230/460	29.0	91.0	1.15	24.92	C, CN
10	1200	256TC	**LM16759**	√	3,483	AF6B10TC61	248	208-230/460	26.2	91.0	1.25	25.15	A, US
15	3600	254TC	**171586.60**	√	2,798	C254T34FK8	292	208-230/460	34.6	91.7	1.25	23.19	C, CN
15	1800	254TC	**171587.60**	√	2,893	C254T17FK8	284	208-230/460	36.0	92.4	1.25	23.19	C, CN
15	1800	254TC	**LM16762**	√	2,868	AF4B15TC61	221	208-230/460	37.5	92.4	1.25	23.40	A, US
15	1200	284TC	**170104.60**	√	4,709	C284T11FB9	333	208-230/460	40.6	91.7	1.15	26.26	C, CN
20	3600	256TC	**171588.60**	√	3,437	C256T34FK3	326	208-230/460	46.0	92.4	1.25	24.92	C, CN
20	1800	256TC	**171589.60**	√	3,454	C256T17FK8	325	208-230/460	49.0	93.0	1.25	24.92	C, CN
20	1800	256TC	**LM16767**	√	3,118	AF4B20TC61	248	208-230/460	48.0	93.0	1.25	25.15	A, US
20	1200	286TC	**LM16769**	√	6,199	AF6B20TC61Y	415	208-230/460	61.0	91.7	1.25	28.01	A, US
25	3600	284TC	**170619.60**	√	3,791	C284T34FK8	393	208-230/460	56.8	93.0	1.15	24.88	C, CN
25	3600	284TSC	**171590.60**	√	4,319	C284T34FK5	290	208-230/460	56.8	93.0	1.25	25.88	C, CN
25	1800	284TC	**171591.60**	√	4,469	C284T17FK5	388	208-230/460	59.0	94.0	1.25	26.26	C, CN
25	1800	284TC	**LM16772**	√	4,237	AF4B25TC61Y	370	208-230/460	64.0	93.6	1.25	26.51	A, US
25	1800	284TSC	**LM32654**	√	4,214	AF4B25TSC61Y	370	208-230/460	65.0	93.6	1.25	25.13	A, US
30	3600	286TSC	**170108.60**	√	4,473	C286T34FK14	400	208-230/460	69.2	93.0	1.15	27.83	C, CN
30	3600	286TC	**170620.60**	√	4,473	C286T34FK11	400	208-230/460	69.2	93.0	1.15	26.46	C, CN
30	1800	286TC	**171592.60**	√	5,385	C286T17FK4	436	208-230/460	70.0	93.6	1.15	27.83	C, CN
30	1800	286TC	**LM16774**	√	5,507	AF4B30TC61Y	415	208-230/460	75.0	93.6	1.25	28.01	A, US
30	1800	286TSC	**LM32842**	√	5,507	AF430TSC61Y	415	208-230/460	75.0	93.6	1.25	26.63	A, US
30	1200	326TC	**LM13724**	C/A	8,887	SF6B30TC61Y	568	208-230/460	76.0	93.0	1.25	30.44	S, US

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Shaded model numbers are cast iron frame

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase C Face Motors
Totally Enclosed - General Purpose

Ultimate *e*® Motors
see pages 73-77

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
40	3600	324TSC	**170110.60**	√	6,597	C324T34FK8	574	208-230/460	89.0	93.6	1.15	28.03	C, CN
40	1800	324TC	**171593.60**	√	6,960	C324T17FK5	532	208-230/460	92.0	94.1	1.15	29.53	C, CN
40	1800	324TC	**LM13726**	√	9,443	SF4B40TC61Y	514	208-230/460	101.0	94.1	1.25	28.94	S, US
40	1800	324TSC	**LM32652**	√	9,443	SF4B40TSC61Y	574	208-230/460	102.0	94.1	1.25	27.44	S, US
40	1200	364TC	**LM15565**	√	10,439	SF6B40TC61Y	777	208-230/460	112.0	93.6	1.25	31.89	S, US
50	3600	326TSC	**170112.60**	√	6,788	C326T34FK5	604	208-230/460	112.0	93.0	1.15	29.53	C, CN
50	1800	326TC	**171594.60**	√	7,645	C326T17FK5	592	208-230/460	117.0	94.5	1.25	31.02	C, CN
50	1800	326TC	**LM13728**	√	9,484	SF4B59TC61Y	568	208-230/460	127.0	94.5	1.25	30.44	S, US
50	1800	326TSC	**LM32843**	√	9,484	SF4B50TSC61Y	568	208-230/460	122.0	94.5	1.25	28.94	S, US
50	1200	365TC	**LM15568**	C/A	12,509	SF6B50TC61Y	834	208-230/460	138.0	94.1	1.25	32.89	S, US
60	3600	364TSC	**170114.60**	√	11,097	C364T34FK3	860	208-230/460	139.0	93.6	1.15	30.51	C, CN
60	1800	364TC	**171595.60**	√	12,125	C364T17FK5	670	208-230/460	137.0	95.4	1.25	32.64	C, CN
60	1800	364TC	**LM15563**	√	12,455	SF4B60TC61Y	777	208-230/460	145.0	95.0	1.25	31.89	S, US
60	1800	364TSC	**LM32665**	√	12,455	SF4B60TSC61Y	777	208-230/460	145.0	95.0	1.25	29.77	S, US
75	3600	365TSC	**171115.60**	√	13,322	C365T34FK3	773	208-230/460	172.0	93.6	1.15	31.49	C, CN
75	1800	365TC	**171596.60**	√	13,950	C365T17FK6	739	208-230/460	170.0	95.8	1.25	33.62	C, CN
75	1800	365TC	**LM15567**	√	13,025	SF4B75TC61Y	834	208-230/460	178.0	95.4	1.15	32.89	S, US
75	1800	365TSC	**LM32653**	√	13,025	SF4B75TSC61Y	834	208-230/460	178.0	95.4	1.15	30.77	S, US
100	3600	405TSC	**LM16719**	C/A	18,730	SF2B100TSC61Y	1018	208-230/460	210	94.5	1.15	33.87	S, US
100	1800	405TC	**171597.60**	√	17,081	C405T17FK2	1076	208-230/460	225	95.4	1.15	37.91	C, CN
100	1800	405TC	**LM15263**	C/A	15,743	SF4B100TC61Y	1018	208-230/460	244	95.4	1.15	36.87	S, US
100	1800	405TSC	**LM32659**	√	15,743	SF4B100TSC61Y	1372	208-230/460	244	95.4	1.15	33.87	S, US
125	3600	444TSC	**LM13730**	C/A	23,987	SF2B125TSC64Y	1372	460	133*	95.0	1.15	37.74	S, US
125	1800	444TC	**LM13731**	C/A	20,963	SF4B125TC64Y	1372	460	146*	96.2	1.15	41.49	S, US
125	1800	444TSC	**LM32844**	√	20,963	SF4B125TSC64Y	1372	460	146*	96.2	1.15	37.74	S, US
150	3600	445TSC	**LM13733**	C/A	29,607	SF2B150TSC64Y	1552	460	163*	95.8	1.15	39.74	S, US
150	1800	445TC	**LM13734**	C/A	24,141	SF4B150TC64Y	1552	460	168*	96.2	1.15	39.74	S, US
150	1800	445TSC	**LM32845**	√	24,141	SF4B150TSC64Y	1525	460	168*	96.2	1.15	39.74	S, US
200	3600	445TSC	**LM13736**	C/A	37,122	SF2B200TSC64Y	1552	460	212*	96.2	1.15	39.74	S, US
200	1800	445TC	**LM13737**	C/A	29,643	SF4B200TC64Y	1525	460	227*	96.2	1.15	43.49	S, US
200	1800	445TSC	**LM32660**	√	29,643	SF4B200TSC64Y	1525	460	227*	96.2	1.15	39.74	S, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability
*Amps at 460 volts

Three Phase Totally Enclosed Fan Cooled

Ultimate *e*® Series General Purpose Motors

Features:

- Meets or exceeds NEMA® premium efficiencies
- Class F insulation
- Stamped steel conduit box
- Standard assembly F1, reversible to F2 by reassembly
- UL Recognized, CSA Certified, CE Mark

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1200	182T	**199001.00**	√	788	C182T11FB1	95	208-230/460	4.8	87.5	1.15	14.80	C, CN
2	1200	184T	**199002.00**	√	950	C184T11FB1	113	208-230/460	6.0	88.5	1.15	15.81	C, CN
3	3600	182T	**199003.00**	√	837	C182T34FB1	86	208-230/460	7.6	86.5	1.15	14.80	C, CN
3	1800	182T	**199004.00**	√	788	C182T17FB1	102	208-230/460	7.8	89.5	1.15	14.80	C, CN
3	1200	213T	**199005.00**	D	1,292	C213T11FB1	173	208-230/460	8.6	89.5	1.15	18.23	C, CN
3	1200	213T	**B199005.00**	√	1,245	C213T11FB7	160	208-230/460	8.7	89.5	1.15	18.35	S, CN
5	3600	184T	**199006.00**	√	970	C184T34FB1	109	208-230/460	12.0	88.5	1.15	15.81	C, CN
5	1800	184T	**199007.00**	√	877	C184T17FB1	117	208-230/460	12.4	90.2	1.15	15.81	C, CN
5	1200	215T	**199008.00**	D	1,604	C215T11FB1	190	208-230/460	14.0	90.2	1.15	19.73	C, CN
5	1200	215T	**B199008.00**	√	1,515	C215T11FB13	195	208-230/460	13.8	90.2	1.15	19.95	S, CN
7 1/2	3600	213T	**199009.00**	D	1,342	C213T34FB1	170	208-230/460	17.8	89.5	1.15	18.23	C, CN
7 1/2	3600	213T	**B199009.00**	√	1,152	C213T34FB46	165	208-230/460	18.0	89.5	1.15	18.35	S, CN
7 1/2	1800	213T	**199010.00**	D	1,137	C213T17FB1	176	208-230/460	18.6	91.7	1.15	18.23	C, CN
7 1/2	1800	213T	**B199010.00**	√	1,114	C213T17FB47	175	208-230/460	19.1	91.7	1.15	18.35	S, CN
7 1/2	1200	254T	**199011.00**	D	2,122	C254T11FB1	298	208-230/460	20.4	91.0	1.15	23.70	C, CN
7 1/2	1200	254T	**B199011.00**	√	2,102	C254T11FB7	210	208-230/460	19.8	91.0	1.15	24.15	C, CN
10	3600	215T	**199012.00**	D	1,333	C215T34FB1	198	208-230/460	22.8	90.2	1.15	19.73	C, CN
10	3600	215T	**B199012.00**	√	1,297	C215T34FB52	198	208-230/460	23.1	90.2	1.15	20.03	S, CN
10	1800	215T	**199013.00**	D	1,292	C215T17FB1	210	208-230/460	24.4	91.7	1.15	19.73	C, CN
10	1800	215T	**B199013.00**	√	1,269	C215T17F52	201	208-230/460	25.2	91.7	1.15	19.95	S, CN
10	1200	256T	**199014.00**	D	2,591	C256T11FB1	335	208-230/460	26.8	91.0	1.15	25.43	C, CN
10	1200	256T	**B199014.00**	√	2,557	C256T11FB8	350	208-230/460	25.7	91.0	1.15	25.89	C, CN
15	3600	254T	**199015.00**	D	2,097	C254T34FB1	290	208-230/460	34.0	91.0	1.15	23.70	C, CN
15	3600	254T	**B199015.00**	√	2,013	C254T34FB11	335	208-230/460	35.1	91.0	1.15	24.15	C, CN
15	1800	254T	**199016.00**	D	1,970	C254T17FB1	348	208-230/460	37.0	92.4	1.15	23.70	C, CN
15	1800	254T	**B199016.00**	√	1,923	C254T17FB14	355	208-230/460	37.0	92.4	1.15	24.15	C, CN
15	1200	284T	**199017.00**	D	3,372	C284T11FB1	445	208-230/460	39.5	91.7	1.15	27.83	C, CN
15	1200	284T	**B199017.00**	√	3,372	C284T11FB10	360	208-230/460	40.0	91.7	1.15	26.65	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

* amps at 460 volts

Continued on next page

♥ Note listing on inside back flap

Specifications are subject to change without notice

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Three Phase Totally Enclosed Fan Cooled

Ultimate *e*® Series General Purpose Motors

Features:

- Meets or exceeds NEMA® premium efficiencies
- 182T - 215T models are rolled steel frame
- Class F insulation
- Standard assembly F1, reversible to F2 by reassembly
- UL Recognized, CSA Certified, CE Mark

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
20	3600	256T	**199018.00**	D	2,548	C256T34FB1	370	208-230/460	46.0	91.0	1.15	27.80	C, CN
20	3600	256T	**B199018.00**	√	2,451	C256T34FB21	355	208-230/460	46.8	91.0	1.15	25.89	C, CN
20	1800	256T	**199019.00**	D	2,476	C256T17FB1	385	208-230/460	48.0	93.0	1.15	27.80	C, CN
20	1800	256T	**B199019.00**	√	2,406	C256T17FB8	405	208-230/460	48.0	93.0	1.15	25.89	C, CN
20	1200	286T	**199020.00**	D	3,862	C286T11FB1	475	208-230/460	52.0	91.7	1.15	31.34	C, CN
20	1200	286T	**B199020.00**	√	3,773	C286T11FB10	470	208-230/460	52.4	91.7	1.15	28.14	C, CN
25	3600	284TS	**199021.00**	D	3,139	C284T34FB1	475	208-230/460	55.5	91.7	1.15	28.82	C, CN
25	3600	284TS	**B199021.00**	√	3,030	C284T34FB13	460	208-230/460	58.7	91.7	1.15	25.28	C, CN
25	1800	284T	**199022.00**	D	2,893	C284T17FB1	475	208-230/460	62.0	93.6	1.15	30.16	C, CN
25	1800	284T	**B199022.00**	√	2,814	C284T17FB9	470	208-230/460	61.0	93.6	1.15	26.65	C, CN
25	1200	324T	**199023.00**	√	5,079	C324T11FB1	495	208-230/460	66.0	93.0	1.15	32.68	C, CN
30	3600	286TS	**199024.00**	D	3,666	C286T34FB1	500	208-230/460	66.0	91.7	1.15	30.00	C, CN
30	3600	286TS	**B199024.00**	√	3,583	C286T34FB8	485	208-230/460	70.4	91.7	1.15	26.77	C, CN
30	1800	286T	**199025.00**	D	3,365	C286T17FB1	525	208-230/460	73.0	93.6	1.15	31.34	C, CN
30	1800	286T	**B199025.00**	√	3,291	C286T17FB9	505	208-230/460	72.3	93.6	1.15	28.14	C, CN
30	1200	326T	**199026.00**	√	5,449	C326T11FB1	670	208-230/460	80.0	93.0	1.15	33.86	C, CN
40	3600	324TS	**199027.00**	√	4,836	C324T34FB1	675	208-230/460	88.0	92.4	1.15	31.26	C, CN
40	1800	324T	**199028.00**	√	4,426	C324T17FB1	750	208-230/460	94.0	94.1	1.15	32.68	C, CN
40	1200	364T	**199029.00**	√	7,538	C364T11FB1	950	208-230/460	94.0	94.1	1.15	36.61	C, CN
50	3600	326TS	**199030.00**	√	5,520	C326T34FB1	725	208-230/460	109.0	93.0	1.15	32.44	C, CN
50	1800	326T	**199031.00**	√	5,433	C326T17FB1	775	208-230/460	119.0	94.5	1.15	33.86	C, CN
50	1200	365T	**199032.00**	√	8,568	C365T11FB1	1000	208-230/460	117.0	94.1	1.15	38.39	C, CN
60	3600	364TS	**199033.00**	√	7,504	C364T34FB1	925	208-230/460	132.0	93.6	1.15	34.57	C, CN
60	1800	364T	**199034.00**	√	7,414	C364T17FB1	1000	208-230/460	138.0	95.0	1.15	36.61	C, CN
60	1200	404T	**199035.00**	√	10,039	C404T11FB1	1200	208-230/460	140.0	94.5	1.15	42.72	C, CN
75	3600	365TS	**199036.00**	√	9,321	C365T34FB1	1025	208-230/460	164.0	94.1	1.15	36.34	C, CN
75	1800	365T	**199037.00**	√	9,109	C365T17FB1	1100	208-230/460	170.0	95.4	1.15	38.39	C, CN
75	1200	405T	**199038.00**	√	11,818	C405T11FB1	1300	208-230/460	174.0	94.5	1.15	42.72	C, CN
100	3600	405TS	**199039.00**	√	11,308	C405T34FB1	1250	208-230/460	216.0	94.5	1.15	39.76	C, CN
100	1800	405T	**199040.00**	√	11,133	C405T17FB1	1375	208-230/460	224.0	95.4	1.15	42.72	C, CN
100	1200	444T	**199041.00**	√	17,427	C444T11FB1	2000	208-230/460	228.0	95.0	1.15	50.79	C, CN
125	3600	444TS	**199042.00**	√	15,795	C444T34FB1	1750	460	136.0*	95.0	1.15	47.05	C, CN
125	1800	444T	**199043.00**	√	15,603	C444T17FB1	1850	460	140.0*	95.4	1.15	50.79	C, CN
125	1200	445T	**199044.00**	√	18,186	C445T11FB1	2050	460	142.0*	95.0	1.15	50.79	C, CN
150	3600	445TS	**199045.00**	√	19,402	C445T34FB1	2050	460	162.0*	95.0	1.15	47.05	C, CN
150	1800	445T	**199046.00**	√	18,321	C445T17FB1	2050	460	165.0*	95.8	1.15	50.79	C, CN
150	1200	447T	**199047.00**	√	23,123	C447T11FB1	2500	460	170.0*	95.8	1.15	55.91	C, CN
200	3600	447TS	**199048.00**	√	22,655	C447T34FB1	2300	460	215.0*	95.4	1.15	52.17	C, CN
200	1800	447T	**199049.00**	√	22,283	C447T17FB1	2350	460	225.0*	96.2	1.15	55.91	C, CN
200	1200	449T	**199050.00**	√	24,626	C449T11FB1	2900	460	228.0*	95.8	1.15	55.91	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

* amps at 460 volts

♥ Note listing on inside back flap

Specifications are subject to change without notice

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LEESON®

Three Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	182TC	**199082.00**	√	912	C182T34FC1	90	208-230/460	7.6	86.5	1.15	15.75	C, CN
3	1800	182TC	**199083.00**	√	901	C182T17FC1	100	208-230/460	7.8	89.5	1.15	15.75	C, CN
5	3600	184TC	**199084.00**	√	1,012	C184T34FC1	95	208-230/460	13.4	88.5	1.15	16.73	C, CN
5	1800	184TC	**199085.00**	√	983	C184T17FC1	112	208-230/460	12.4	89.5	1.15	16.73	C, CN
7 1/2	3600	213TC	**199086.00**	D	1,423	C213T34FC1	150	208-230/460	17.8	89.5	1.15	19.53	C, CN
7 1/2	3600	213TC	**B199086.00**	√	1,332	C213T34FC1	140	208-230/460	18.0	89.5	1.15	19.10	S, CN
7 1/2	1800	213TC	**199087.00**	D	1,245	C213T17FC1	150	208-230/460	18.6	91.7	1.15	19.53	C, CN
7 1/2	1800	213TC	**B199087.00**	√	1,164	C213T17FC1	143	208-230/460	19.1	91.7	1.15	19.10	S, CN
10	3600	215TC	**199088.00**	D	1,503	C215T34FC1	137	208-230/460	22.8	90.2	1.15	21.02	C, CN
10	3600	215TC	**B199088.00**	√	1,404	C215T34FC1	135	208-230/460	23.1	90.2	1.15	20.70	S, CN
10	1800	215TC	**199089.00**	D	1,464	C215T17FC1	170	208-230/460	24.4	91.7	1.15	21.02	C, CN
10	1800	215TC	**B199089.00**	√	1,368	C215T17FC1	162	208-230/460	25.2	91.7	1.15	20.70	S, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase C Face Motors

Ultimate *e*® Series General Purpose Motors

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	182TC	**199051.00**	√	921	C182T34FK1	92	208-230/460	7.6	86.5	1.15	15.75	C, CN
3	1800	182TC	**199052.00**	√	910	C182T17FK1	95	208-230/460	7.8	89.5	1.15	15.75	C, CN
5	3600	184TC	**199053.00**	√	1,024	C184T34FK1	110	208-230/460	13.4	88.5	1.15	16.73	C, CN
5	1800	184TC	**199054.00**	√	877	C184T17FK1	110	208-230/460	12.4	89.5	1.15	16.73	C, CN
7 1/2	3600	213TC	**199055.00**	D	1,342	C213T34FK1	170	208-230/460	17.8	89.5	1.15	19.53	C, CN
7 1/2	3600	213TC	**B199055.00**	√	1,318	C213T34FK1	165	208-230/460	18.0	89.5	1.15	19.10	S, CN
7 1/2	1800	213TC	**199056.00**	D	1,274	C213T17FK1	155	208-230/460	19.2	91.7	1.15	19.53	C, CN
7 1/2	1800	213TC	**B199056.00**	√	1,248	C213T17FK1	160	208-230/460	19.1	91.7	1.15	19.10	S, CN
10	3600	215TC	**199057.00**	D	1,566	C215T34FK1	170	208-230/460	22.8	90.2	1.15	21.02	C, CN
10	3600	215TC	**B199057.00**	√	1,516	C215T34FK1	149	208-230/460	23.1	90.2	1.15	20.70	S, CN
10	1800	215TC	**199058.00**	D	1,533	C215T17FK1	175	208-230/460	24.4	91.7	1.15	21.02	C, CN
10	1800	215TC	**B199058.00**	√	1,498	C215T17FK1	165	208-230/460	25.2	91.7	1.15	20.70	S, CN
15	3600	254TC	**199059.00**	D	2,204	C254T34FK1	350	208-230/460	34.0	91.0	1.15	26.60	C, CN
15	3600	254TC	**B199059.00**	√	2,178	C254T34FK1	335	208-230/460	35.1	91.0	1.15	24.65	C, CN
15	3600	215TC	**194128.00**	√	2,031	C215T34FK2	185	208-230/460	35.0	93.0	1.15	21.62	S, CN
15	1800	254TC	**199060.00**	D	2,123	C254T17FK1	350	208-230/460	37.0	92.4	1.15	26.60	C, CN
15	1800	254TC	**B199060.00**	√	2,097	C254T17FK1	345	208-230/460	37.0	92.4	1.15	24.65	C, CN
20	3600	256TC	**199061.00**	D	2,599	C256T34FK1	375	208-230/460	46.0	91.0	1.15	27.80	C, CN
20	3600	256TC	**B199061.00**	√	2,562	C256T34FK1	355	208-230/460	46.8	91.0	1.15	26.39	C, CN
20	1800	256TC	**199062.00**	D	2,540	C256T17FK1	425	208-230/460	49.0	93.0	1.15	27.80	C, CN
20	1800	256TC	**B199062.00**	√	2,506	C256T17FK1	405	208-230/460	48.0	93.0	1.15	26.39	C, CN
25	3600	284TSC	**199063.00**	D	3,280	C284T34FK1	475	208-230/460	56.0	91.7	1.15	28.79	C, CN
25	3600	284TSC	**B199063.00**	√	3,239	C284T34FK1	460	208-230/460	58.7	91.7	1.15	25.28	C, CN
25	1800	284TC	**199064.00**	D	3,023	C284T17FK1	500	208-230/460	61.0	93.6	1.15	30.16	C, CN
25	1800	284TC	**B199064.00**	√	2,984	C284T17FK1	485	208-230/460	61.0	93.6	1.15	26.65	C, CN
30	3600	286TSC	**199065.00**	D	3,772	C286T34FK1	500	208-230/460	68.0	91.7	1.15	39.97	C, CN
30	3600	286TSC	**B199065.00**	√	3,737	C286T34FK1	485	208-230/460	70.4	91.7	1.15	26.77	C, CN
30	1800	286TC	**199066.00**	D	3,631	C286T17FK1	525	208-230/460	73.0	93.6	1.15	31.34	C, CN
30	1800	286TC	**B199066.00**	√	3,596	C286T17FK1	505	208-230/460	72.3	93.6	1.15	28.14	C, CN
40	3600	324TSC	**199067.00**	√	5,016	C324T34FK1	675	208-230/460	88.0	92.4	1.15	31.18	C, CN
40	1800	324TC	**199068.00**	√	4,633	C324T17FK1	750	208-230/460	94.0	94.1	1.15	32.68	C, CN
50	3600	326TSC	**199069.00**	√	6,151	C326T34FK1	725	208-230/460	109.0	93.0	1.15	32.36	C, CN
50	1800	326TC	**199070.00**	√	5,687	C326T17FK1	775	208-230/460	119.0	94.5	1.15	33.86	C, CN
60	3600	364TSC	**199071.00**	√	8,157	C364T34FK1	925	208-230/460	132.0	93.6	1.15	34.48	C, CN
60	1800	364TC	**199072.00**	√	7,765	C364T17FK1	1000	208-230/460	138.0	95.0	1.15	36.61	C, CN
75	3600	365TSC	**199073.00**	√	9,544	C365T34FK1	1025	208-230/460	164.0	93.6	1.15	36.26	C, CN
75	1800	365TC	**199074.00**	√	9,356	C365T17FK1	1100	208-230/460	173.0	95.4	1.15	38.39	C, CN
100	3600	405TSC	**199075.00**	√	12,344	C405T34FK1	1250	208-230/460	216.0	94.5	1.15	39.76	C, CN
100	1800	405TC	**199076.00**	√	11,235	C405T17FK1	1375	208-230/460	224.0	95.4	1.15	42.76	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

Specifications are subject to change without notice

LEESON®

Three Phase Motors Totally Enclosed

Ultimate *e*® Series General Purpose Motors With Roller Bearings

Features:

- Meets or exceeds NEMA® premium efficiencies
- Cast iron frame construction
- Class F insulation
- UL Recognized, CSA Certified, CE Mark
- **Roller bearing at the drive end only for belted load operation only**

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
25	1800	284T	**194228.00**	√	2,979	C284T17FB9	500	208-230/460	61.0	93.6	1.15	26.65	C, CN
25	1200	324T	**194229.00**	√	5,232	C324T11FB7	555	208-230/460	66.0	93.0	1.15	32.68	C, CN
30	1800	286T	**194230.00**	√	3,466	C286T17FB9	525	208-230/460	72.5	93.6	1.15	28.14	C, CN
30	1200	326T	**194231.00**	√	5,612	C326T11FB7	725	208-230/460	80.0	93.0	1.15	33.86	C, CN
40	1800	324T	**194232.00**	√	4,559	C324T17FB10	750	208-230/460	94.0	94.1	1.15	32.68	C, CN
40	1200	364T	**194233.00**	√	7,765	C364T11FB8	950	208-230/460	94.0	94.1	1.15	36.61	C, CN
50	1800	326T	**194234.00**	√	5,596	C326T17FB11	775	208-230/460	119.0	94.5	1.15	33.86	C, CN
50	1200	365T	**194235.00**	√	8,826	C365T11FB11	1000	208-230/460	117.0	94.1	1.15	38.39	C, CN
60	1800	364T	**194236.00**	√	7,636	C364T17FB13	1000	208-230/460	138.0	95.0	1.15	36.61	C, CN
60	1200	404T	**194237.00**	√	10,340	C404T11FB8	1200	208-230/460	140.0	94.5	1.15	42.72	C, CN
75	1800	365T	**194238.00**	√	9,382	C365T17FB13	1100	208-230/460	170.0	95.4	1.15	38.39	C, CN
75	1200	405T	**194239.00**	√	12,173	C405T11FB9	1300	208-230/460	174.0	94.5	1.15	42.72	C, CN
100	1800	405T	**194240.00**	√	11,467	C405T17FB11	1375	208-230/460	224.0	95.4	1.15	42.72	C, CN
100	1200	444T	**194241.00**	√	17,950	C444T11FB9	2000	208-230/460	228.0	95.0	1.15	50.79	C, CN
125	1800	444T	**194242.00**	√	16,071	C444T17FB13	1850	460	140.0*	95.4	1.15	50.79	C, CN
125	1200	445T	**194243.00**	√	18,731	C445T11FB7	2050	460	142.0*	95.0	1.15	50.79	C, CN
150	1800	445T	**194244.00**	√	18,871	C445T17FB16	2050	460	165.0*	95.8	1.15	50.79	C, CN
150	1200	447T	**194245.00**	√	23,816	C447T11FB5	2500	460	170.0*	95.8	1.15	55.91	C, CN
200	1800	447T	**194246.00**	√	22,951	C447T17FB9	2350	460	225.0*	96.2	1.15	55.91	C, CN
200	1200	449T	**194247.00**	√	25,365	C449T11FB5	2900	460	228.0*	95.8	1.15	55.91	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

* amps at 460 volts

♥ Note listing on inside back flap

Specifications are subject to change without notice

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Three Phase Motors Totally Enclosed

TENV Motors - Three Phase - Rigid Base

Three Phase - TENV - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/6	3600	42	**092014.00**	C/A	442	C42T34NB2	13	208-230/460	0.7	65.0	1.00	7.56	S, US
1/6	1800	42	**092015.00**	√	484	C42T17NB1	14	208-230/460	0.9	61.0	1.00	7.81	S, US
1/4	3600	42	**092016.00**	C/A	468	C42T34NB3	15	208-230/460	0.9	62.0	1.00	8.06	S, US
1/4	1800	48	**100123.00**	√	367	C4T17NB3	16	208-230/460	1.0	78.0	1.15	9.18	S, MX
1/4	1800	S56	**101649.00**	√	367	C4T17NH8	16	208-230/460	1.0	78.0	1.15	9.56	S, MX
1/3	3600	48	**101013.00**	√	352	C4T34NB3	17	208-230/460	1.2	72.0	1.15	9.06	S, US
1/3	1800	48	**100443.00**	√	407	C4T17NB5	19	208-230/460	1.4	78.0	1.15	9.56	S, MX
1/3	1800	S56	**102920.00**	√	405	C4T17NH13	20	208-230/460	1.3	77.0	1.15	9.56	S, MX
1/2	3600	56	**110143.00**	√	407	C6T34NB1	25	208-230/460	1.5	67.0	1.15	10.38	S, US
1/2	1800	S56	**102918.00**	√	473	C4T17NH12	21	208-230/460	1.8	77.0	1.15	10.06	S, MX
3/4	1800	56	**114309.00**	√	515	C6T17NB53	30	208-230/460	2.5	80.0	1.15	10.89	S, US
1	1800	143T	**121098.00**	D	590	C143T17NB6	35	208-230/460	3.2	80.0	1.15	11.83	S, US

Note - Motors 121098.00 and 121099.00 moved to TEFC designs to meet EISA regulations
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Motors Totally Enclosed

F2 Conduit Box Mount Motors - TEFC - Three Phase
General Purpose Applications

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182T	**132237.00**	C/A	957	C182T17FB50	80	208-230/460	7.8	89.5	1.15	14.96	S, MX
5	1800	184T	**132236.00**	√	1,053	C184T17FB62	94	208-230/460	12.8	89.5	1.15	15.96	S, MX
7	1800	213T	**140832.00**	C/A	1,353	C213T17FB18	154	208-230/460	21.4	91.7	1.25	18.70	S, MX

Green items are Premium Efficient
C/A - Check Availability
Note: For larger F2 mount motors, G150 & 170 Series cast iron motors may be converted to F2 by reassembly. Contact factory for F2 mounting for Lincoln Brand motors

♥ Note listing on inside back flap
Specifications are subject to change without notice

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LEESON®

Three Phase Motors Totally Enclosed
Compressor Duty

General Specifications:

Motors designed for air compressor, pump, fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

- Double shielded ball bearings
- Designed for belted loads
- Class F insulation

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182T	**131463.00**	√	957	C182T17FB32	80	208-230/460	7.8	89.5	1.15	13.96	S, MX
3	1800	182T	**LM32741**	√	957	SSF4B3T61	77	208-230/460	7.8	89.5	1.15	13.96	S, MX
5	1800	182T	**131464.00**	√	1,053	C184T17FB42	94	208-230/460	12.8	89.5	1.15	15.96	S, MX
5	1800	182T	**LM33266**	√	1,053	SSF4B5T61	85	208-230/460	12.6	89.5	1.15	14.96	S, MX
7 1/2	1800	213T	**140450.00**	√	1,353	C213T17FB6	144	208-230/460	21.4	91.7	1.25	18.70	S, MX
7 1/2	1800	213T	**LM32805**	√	1,249	SSF4B7.5T6	115	208-230/460	19.4	91.7	1.25	20.23	S, MX
10	1800	215T	**140451.00**	√	1,636	C215T17FB18	161	208-230/460	26.6	91.7	1.25	19.70	S, MX
10	1800	215T	**LM32809**	√	1,542	SSF4B10T6	135	208-230/460	26.0	91.7	1.25	21.48	S, MX
15	1800	254T	**170066.60**	√	2,413	C254T17FB10	280	208-230/460	36.0	92.4	1.25	23.19	C, CN
15	1800	254T	**LM24208**	√	2,695	CCF4B15T6	322	208-230/460	37.5	92.4	1.25	25.27	C, US
20	1800	256T	**170007.60**	√	3,018	C256T17FB4	322	208-230/460	49.0	93.0	1.15	24.92	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase Motors Totally Enclosed
Resilient Base Motors - Three Phase
General Purpose or Fan & Blower Service

Mechanical Features:

- Industrial duty designs
- Suitable for belt driven or fan-on-shaft applications
- Ball bearings

Three Phase - Totally Enclosed - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	**111917.00**	√	541	C6T17NR1	25	208-230/460	1.8	78.5	1.15	11.31	S, US, 12
1	1800	56H	**119419.00**	√	784	C6T17FR3	33	208-230/460	3.2	85.5	1.15	13.84	S, US, 6, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase Motors Totally Enclosed

Sub-FHP Motors - Inverter Rated - Three Phase

Features:

- Designed with the exclusive IRIS® inverter rated insulation system
- Provides superior protection against voltage spikes induced by variable frequency drives
- Double shielded motor ball bearings
- Needle bearings in the parallel shaft gearboxes
- Ball bearings in the right angle (worm) gearboxes
- Steel conduit box provided as standard
- Finished in high gloss hardened black enamel paint

Application Notes:

- Designed with high temperature insulation (Class F) to prevent overheating when operated with a PWM inverter down to a 10:1 speed range from the printed motor's speed range

Three Phase - 230 Volt - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	F. L. Amps @ 230 V	♥Notes
1/15	1725	38	**M1140171.00**	√	372	CM38T17NK1	7	0.4	S, US, 12
1/6	1725	38	**M1140173.00**	C/A	401	CM38T17NK2	8	0.7	S, US, 13
1/4	1725	38	**M1140172.00**	C/A	431	CM38T17FK3	9	1.1	S, US, 13

C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

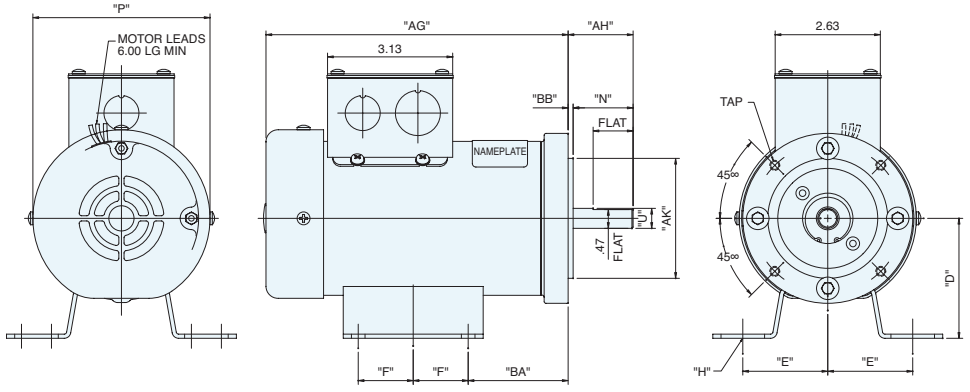
♥ Note listing on inside back flap
Specifications are subject to change without notice

38 Frame NEMA® C Face With Base Dimensions

Catalog Number	AG	P	U	AH	BB	AJ	TAP	R	AK	BB	D	BA	E	F	H
M1140171.00	5.14	3.85	0.5	1.63	1	3.75	1/3/16	4.25	3.0	0.1	3.00	1.50	2.125	1.375	11/32 Slot
M1140173.00	6.14	3.85	0.5	1.63	1	3.75	1/3/16	4.25	3.0	0.1	3.00	1.50	2.125	1.375	11/32 Slot
M1140172.00	7.56	4.43	0.5	1.63	1	3.75	1/3/16	4.25	3.0	0.1	3.00	1.50	2.125	1.375	11/32 Slot

Specifications are subject to change without notice

AC 38 48C ALL DIMENSIONS IN INCHES



Both motors only and gearmotors will have inverter rated printed on the nameplate.
UL and CSA recognition for both motors only and gearmotors

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LEESON®

Three Phase C Face Motors
Inverter Duty - FHP™ Motors

Features:

- Compact 48-frame design with keyed shaft
- Class F insulation
- 20:1 constant torque rated
- Inverter IRIS® insulation system
- 1/2" diameter keyed shaft with 48-C Face
- 115/230V three phase design optimized for FHP drives
- Designed to be used with FHP AC Drives

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/6	1800	48CZ	**102792.00**	√	367	C4T17FK7	25	115/230	1.3	56.0	1.15	8.94	S, MX
1/4	1800	48CZ	**102793.00**	C/A	417	C4T17FK8	26	115/230	1.4	58.0	1.15	8.94	S, MX
1/3	1800	48CZ	**102794.00**	C/A	456	C4T17FK6	28	115/230	1.6	64.3	1.15	9.19	S, MX
1/2	1800	48CZ	**102795.00**	C/A	509	C4T17FK9	30	115/230	1.8	77.0	1.15	10.19	S, MX

Green items are Premium Efficient
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Inverter Duty Motors

- Ideally suited for IGBT inverters
- Inverter duty insulation system
- Over temperature protection
- Speedmaster® and CTAC® models – 2000 : 1 speed range
- Provisions for encoder mounting
- Lincoln Vector duty CTAC models include 1024 ppr encoder
- Drip-proof and totally enclosed models available
- Precision balanced rotor assemblies
- Made in the U.S.A.
- 3-year warranty
- Speedmaster Plus Inverter Duty Motors
- Platinum *e*™ Permanent Magnet AC Motors **NEW** page 92

Applications:
For use in constant torque (conveyors and machine tools) or variable torque (pumps and fans) variable speed applications within the stated speed range of the motor.

Inverter Duty Motors

Inverter Duty Motors / Vector Duty Motors
2000:1 Speed Range
With Encoder Mounting Provisions

AEGIS® BEARING PROTECTION RINGS

Features:

- Class H inverter insulation system on LEESON® models, Class F on Lincoln models
- No blower needed on 256T frame and smaller motors
- Constant torque operation from 0 to base RPM rating with vector drives
- C Face with rigid base through 100 HP on LEESON models, Lincoln models through 5 HP
- TEBC designs utilize 3-phase blower motors
- Normally closed thermostats
- Cast iron, Steel and Aluminum frame construction - see Notes
- Provisions for Encoder feedback devices - all LEESON models and Lincoln Q10 models
- LEESON models, 180 frame and higher, include internal shaft grounding rings (SGRs)
- Precision balanced rotors
- UL recognized and CSA certified
- 3-year warranty

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

For use with inverters only

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/3	1800	56C	**LM10336**	√	598	SRF4S0.33TC61Q20	26	208-230/460	1.6	4000	1.0	11.31	10:1	S, US, 13
1/2	1800	56C	**LM24264**	C/A	689	SRF4S0.5TC61Q20	24	208-230/460	2.4	4000	1.0	11.81	10:1	S, US, 13
1/2	1200	56HC	**LM10338**	C/A	818	SRF6S0.5TC61Q20	41	208-230/460	2.6	4000	1.0	12.32	10:1	S, US, 13
3/4	1800	56HC	**LM10339**	√	777	SRF4S0.75TC61Q20	25	208-230/460	3.0	4000	1.0	11.82	10:1	S, US, 13
1	1800	56HC	**LM10340**	√	1,494	SRF4S1TC61Q20	62	208-230/460	3.6	4000	1.0	12.32	10:1	S, US, 13
1	1800	143TC	**810548.00**	√	1,580	143THTN8037	61	208-230/460	3.0	5400	1.0	13.68	2000:1	C, US, 12
1	1800	145TC	**LM26359**	√	1,514	SSN4S1TC61Q10	62	208-230/460	4.0	5000	1.0	15.39	2000:1	S, US, 12
1	1200	182TC	**LM06103**	√	1,713	AAN6S1TC61Q10	78	208-230/460	3.6	4800	1.0	12.94	2000:1	A, US, 12
1	900	184TC	**LM06105**	C/A	2,137	AAN8S1TC61Q10	100	208-230/460	5.0	4800	1.2	16.57	2000:1	A, US, 12
1 1/2	1800	145TC	**810547.00**	√	1,740	145THTN8044	68	208-230/460	4.6	5400	1.0	14.68	2000:1	C, US, 12
1 1/2	1800	145TC	**LM26233**	C/A	1,680	SSN4S1.5TC61Q10	65	208-230/460	4.8	5000	1.0	15.39	2000:1	S, US, 12
1 1/2	1200	56HC	**119796.00**	√	870	C6T11FK18	45	208-230/460	5.7	——	1.0	13.31	2:1	S, US, 13
1 1/2	1200	145TC	**122337.00**	√	877	C145T11FK11	46	208-230/460	5.7	——	1.0	13.76	2:1	S, US, 13
2	1800	145TC	**810546.00**	√	1,817	145THTN8045	70	208-230/460	6.0	5400	1.0	14.68	2000:1	C, US, 12
2	1800	182TC	**LM33591**	C/A	1,824	AAN4S2TC61Q10AP26	74	208-230/460	8.2	4800	1.0	15.88	2000:1	A, MX, 12
3	1800	182TC	**811320.00**	√	2,171	182THTS8051	110	208-230/460	8.0	5400	1.0	16.68	2000:1	C, US, 12
3	1800	56HC	**119797.00**	√	938	C6T17FK116	45	208-230/460	8.6	——	1.0	12.81	2:1	S, US, 13
3	1800	145TC	**122338.00**	√	952	C145T17FK84	46	208-230/460	8.6	——	1.0	13.76	2:1	S, US, 13
3	1800	184TC	**LM33492**	C/A	2,121	AAN4S3TC61Q10AP26	94	208-230/460	8.4	4800	1.0	16.57	2000:1	A, MX, 12
3	1200	215TC	**LM06121**	C/A	3,383	AN5S3TC61Q10	135	208-230/460	12.0	4600	1.0	18.56	2000:1	A, US, 12

Shaded model numbers are cast iron frame

Continued on next page

▼ LM Numbers are Lincoln Models
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

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LEESON®

Inverter Duty Motors

Inverter Duty Motors / Vector Duty Motors - 2000:1 Speed Range With Encoder Mounting Provisions

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

For use with inverters only

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
5	1800	184TC	**811322.00**	√	2,406	184THTS8058	118	208-230/460	13.4	5400	1.0	17.69	2000:1	C, US, 12
5	1800	213TC	**LM06125**	√	2,434	AN4S5TC61Q10	115	208-230/460	15.6	4600	1.0	17.94	2000:1	A, US, 12
7 1/2	1800	213TC	**810157.00**	√	3,236	213THTS8070	180	208-230/460	21.0	4200	1.0	20.56	2000:1	C, US, 12
10	1800	215TC	**810140.00**	√	3,824	215THTS8070	290	208-230/460	26.0	4200	1.0	22.74	2000:1	C, US, 12
15	1800	254TC	**810066.00**	√	4,584	254THTNA8060	320	208-230/460	39.0	4200	1.0	25.12	2000 : 1	C, US, 12
15	1200	284TC	**810068.00**	C/A	9,682	284THTPA7090	440	208-230/460	40.0	3600	1.0	37.48	2000 : 1	C, US, 11
20	1800	256TC	**810007.00**	√	6,247	256THTNA8070	435	208-230/460	52.0	4200	1.0	27.13	2000 : 1	C, US, 12
20	1200	286TC	**810001.00**	C/A	11,599	286THFPA8090	450	208-230/460	52.4	3600	1.0	37.48	2000 : 1	C, US, 11
25	1800	284TC	**810011.00**	C/A	7,785	284THFPA8060	438	208-230/460	65.0	3600	1.0	37.48	2000 : 1	C, US, 11
25	1200	324TC	**810003.00**	C/A	13,646	324THFPA8090	620	208-230/460	67.0	3600	1.0	40.41	2000 : 1	C, US, 11
30	1800	286TC	**810015.00**	√	8,573	286THFPA8040	520	208-230/460	74.0	4200	1.0	38.98	2000 : 1	C, US, 11
30	1200	326TC	**810005.00**	C/A	15,017	326THFPA8090	700	208-230/460	82.0	3600	1.0	41.91	2000 : 1	C, US, 11
40	1800	324TC	**810019.00**	C/A	10,843	324THFPA8050	620	208-230/460	100.0	3600	1.0	40.41	2000 : 1	C, US, 11
40	1200	364TC	**810096.00**	√	18,109	364THFS18079	975	208-230/460	104.0	2700	1.0	42.78	2000 : 1	C, US, 11
50	1800	326TC	**810023.00**	C/A	12,789	326THFPA8040	640	208-230/460	120.0	3600	1.0	41.91	2000 : 1	C, US, 11
50	1200	365TC	**810097.00**	C/A	21,709	365THFS8397	1029	208-230/460	180.0	2700	1.0	43.78	2000 : 1	C, US, 11
60	1800	364TC	**810027.00**	√	16,461	364THFS8059	975	208-230/460	147.0	2700	1.0	42.78	2000 : 1	C, US, 11
60	1200	404TC	**810098.00**	C/A	24,084	404THFS8378	1322	208-230/460	142.0	2700	1.0	46.72	2000 : 1	C, US, 11
75	1800	365TC	**810031.00**	√	19,738	365THFS8074	1050	208-230/460	180.0	2700	1.0	43.78	2000 : 1	C, US, 11
75	1200	405TC	**810099.00**	C/A	29,344	405THFS8386	1350	208-230/460	180.0	2700	1.0	49.28	2000 : 1	C, US, 11
100	1800	405TC	**810087.00**	C/A	24,047	405THFS8329	1400	208-230/460	230.0	2700	1.0	49.28	2000 : 1	C, US, 11
100	1200	444TC	**811367.00**	C/A	33,362	444THFN8389	2050	208-230/460	250.0	2700	1.0	52.72	2000 : 1	C, US, 11
125	1800	444T	**811369.00**	C/A	30,326	444THFN8050	2000	460	138*	2700	1.0	52.72	2000 : 1	C, US, 11
150	1800	445T	**811371.00**	C/A	34,407	445THFN8334	2321	460	170*	2700	1.0	54.72	2000 : 1	C, US, 11
200	1800	445T	**810503.00**	C/A	40,728	445THFN8335	2450	460	230*	2700	1.0	54.72	2000 : 1	C, US, 11
250	1800	449T	**811516.00**	C/A	53,959	449THFS8328	3210	460	295*	2700	1.0	63.21	2000 : 1	C, US, 11
300	1800	449T	**811529.00**	C/A	68,399	449THFS8329	3410	460	330*	2700	1.0	63.21	2000 : 1	C, US, 11
350	1800	449T	**811530.00**	C/A	83,430	449THFS8330	3520	460	385*	2700	1.0	63.21	2000 : 1	C, US, 11

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

*F.L. Amps at 460 Volts
▼ LM Numbers are Lincoln Models
C/A - Check Availability
Note 11 - TEBC
Note 12 - TENV

Encoder Kits For Speedmaster® 81,000 Series 2000:1 Motors

Description	Enclosure	Frame	Brand/Model	PPR	Catalog Number	List Price
Encoders						
Modular Mount, 5-15 VDC, with EPIC connector	TENV	143-256T	Northstar* SL56	1024	**E175927.00**	3,505
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar* HS35	1024	**E175928.00**	2,251
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI* HS35	1024	**E175929.00**	2,251
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	2048	**E175930.00**	2,251
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	2048	**E175931.00**	2,251
Modular Mount, 5-15 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Northstar SL56	1024	**E175921.00**	3,505
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	1024	**E175922.00**	2,251
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	1024	**E175923.00**	2,251
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	2048	**E175924.00**	2,251
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	2048	**E175925.00**	2,251
Conduit Box Required for all TEBC Units	——	——	——	——	**ECB175926.00**	250

All Encoders are shipped separate for field installation.

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LEESON Speedmaster® Plus Inverter Duty Motors

1000:1 Constant Torque

Applications:

Designed for inverter or vector duty applications where up to a 1000:1 constant torque speed range is required. Typical applications would include: conveyors, machine tools, metal processing, pumping equipment and compressors.

Features:

- IRIS® Inverter duty insulation system
- Constant torque operation from 0 to base speed on vector drive
- Constant horsepower operation up to twice base RPM
- Normally closed thermostats (one per phase, Class F
- Ball bearings
- Encoder provisions included on opposite drive end
- UL Recognized, CSA Certified, and CE Mark
- 3-year warranty

Three Phase - TENV - C Face With Base

For use with inverters only

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	56C	**119286.00**	√	609	C6T17NK49	19	208-230/460	1.2	1.0	11.88	S, MX
1/2	1800	56C	**119287.00**	√	763	C6T17NK51	35	208-230/460	1.6	1.0	13.48	S, MX
1	1800	56C	**119289.00**	√	910	C6T17NK50	39	208-230/460	3.0	1.0	14.98	S, MX
1	1800	143TC	**122129.00**	√	935	C143T17NK4	48	208-230/460	3.0	1.0	15.04	S, MX
1	1200	145TC	**122130.00**	√	1,083	C143T11NK3	49	208-230/460	3.8	1.0	16.04	S, MX
1.5	1800	145TC	**122131.00**	√	1,135	C145T17NK6	50	208-230/460	4.8	1.0	16.04	S, MX
2	1800	145TC	**122132.00**	√	1,462	C145T17NK5	65	208-230/460	6.0	1.0	16.04	S, MX
2	1200	184TC	**811618.00**	√	2,243	184THTL17079	88	208-230/460	6.6	1.0	16.94	A, MX
3	1800	182TC	**811619.00**	√	1,944	182THTY17054	95	208-230/460	8.4	1.0	17.39	A, MX
3	1200	213TC	**811621.00**	√	2,763	213THTL17081	105	208-230/460	9.4	1.0	19.94	A, US
5	1800	184TC	**811625.00**	√	2,322	184THTY17045	146	208-230/460	14.0	1.0	20.54	A, MX
5	1200	215TC	**811624.00**	√	3,361	215THTL17086	105	208-230/460	15.4	1.0	19.94	A, US
7 1/2	1800	213TC	**811622.00**	√	3,047	213THTL17044	110	208-230/460	21.0	1.0	18.94	A, US
7 1/2	1200	254TC	**811627.00**	√	4,521	254THTL17081	223	208-230/460	22.0	1.0	25.37	A, US
10	1800	215TC	**811628.00**	√	3,645	215THTL17047	219	208-230/460	27.0	1.0	23.04	A, US
10	1200	256TC	**811630.00**	√	5,117	256THTL17083	229	208-230/460	28.0	1.0	26.87	A, US
15	1800	254TC	**811631.00**	√	4,338	254THTL17049	260	208-230/460	40.0	1.0	26.87	A, US
20	1800	256TC	**811633.00**	√	6,332	256THTNA16034	300	208-230/460	52.0	1.0	27.13	C, US
25	1800	284TC	**811635.00**	√	6,888	284THTNA16039	379	208-230/460	62.0	1.0	27.08	C, US
30	1800	286TC	**811637.00**	√	7,767	286THTNA17042	575	208-230/460	74.0	1.0	28.58	C, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

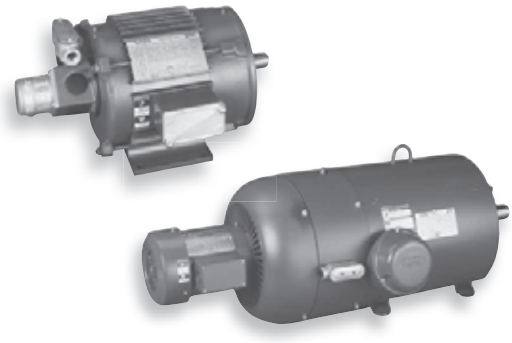
Specifications are subject to change without notice

Inverter Duty Motors

Vector Duty Motors - 2000:1 Speed Range With 1024 ppr Encoder

Features:

- Inverter duty insulation system
- Constant HP range at 2x base speed 56 - 256T frames
- Constant HP range at 1.5x base speed 284T - 445T frames
- Includes 1024 ppr encoder with differential line driver
- Normally closed thermostats
- Steel and aluminum frame construction - see notes
- C Face designs through 10 HP
- Precision balanced rotors



Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

For use with inverters only

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/3	1800	56C	**LM10346**	√	2,258	SRN4S0.33TC61Q15	43	208-230/460	1.0	5000	1.00	14.47	2000 : 1	S, US, 12
1/2	1800	56C	**LM10347**	√	2,357	SRN4S0.5TC61Q15	43	208-230/460	1.6	5000	1.00	14.47	2000 : 1	S, US, 12
3/4	1800	56HC	**LM10349**	C/A	2,438	SRN4S0.75TC61Q15	54	208-230/460	2.6	5000	1.00	15.97	2000 : 1	S, US, 12
1	1800	56HC	**LM10350**	C/A	3,325	SRN4S1TC61Q15	54	208-230/460	3.2	5000	1.00	15.97	2000 : 1	S, US, 12
1	1800	145TC	**LM26109**	C/A	3,325	SSN4S1TC61Q15	82	208-230/460	3.0	5000	1.00	16.03	2000 : 1	S, US, 12
1 1/2	1800	145TC	**LM26278**	C/A	3,572	SSN4S1.5TC61Q15	85	208-230/460	4.8	5000	1.00	17.03	2000 : 1	S, US, 12
2	1800	182TC	**LM33595**	√	3,680	AAN4S2TC61Q15AP26	98	208-230/460	6.6	5400	1.00	19.84	2000 : 1	A, US, 12
3	1800	184TC	**LM33491**	√	3,869	AANS3TC61Q15AP26	92	208-230/460	8.2	5400	1.00	19.84	2000 : 1	A, MX, 12
5	1800	213TC	**LM04003**	C/A	4,294	AAN4S5TC61Q15	115	208-230/460	15.6	4600	1.00	21.14	2000 : 1	A, US, 12
7.5	1800	215TC	**LM31463**	C/A	5,103	AN4S7.5TC61Q15	155	208-230/460	21.0	4600	1.00	23.48	2000 : 1	A, US, 12
10	1800	256TC	**LM30572**	C/A	5,370	AN4S10TC61Q15	235	208-230/460	27.0	4400	1.00	——	2000 : 1	A, US, 12
25	1800	284T	**811639.00**	C/A	7,920	284THFPA17034	438	208-230/460	65.0	3600	1.00	37.48	2000 :1	C, US, 11
30	1800	286T	**811640.00**	C/A	8,832	286THFPA18043	520	208-230/460	74.0	4200	1.00	38.98	2000 :1	C, US, 11
40	1800	324T	**LM03285**	C/A	11,264	SB4H40T61Q15	550	208-230/460	98.0	4000	1.00	43.41	2000 : 1	S, US, 11
50	1800	326T	**LM03333**	C/A	12,425	SB4H50T61Q15	550	208-230/460	——	4000	1.00	——	2000 : 1	S, US, 11
60	1800	364T	**LM03377**	C/A	14,256	SB4H60T61YQ15	690	208-230/460	146	3800	1.00	48.29	2000 : 1	S, US, 11
75	1800	365T	**LM03425**	C/A	16,475	SB4P75T61YQ15	740	208-230/460	180.0	3800	1.00	49.29	2000 : 1	S, US, 11
100	1800	405T	**LM03473**	C/A	23,971	SB4H100T61YQ15	1000	208-230/460	240.0	3600	1.00	53.23	2000 : 1	S, US, 11
125	1800	444T	**LM03517**	C/A	31,272	SB4H125T64YQ15	1290	460	146 *	3000	1.00	58.28	2000 : 1	S, US, 11

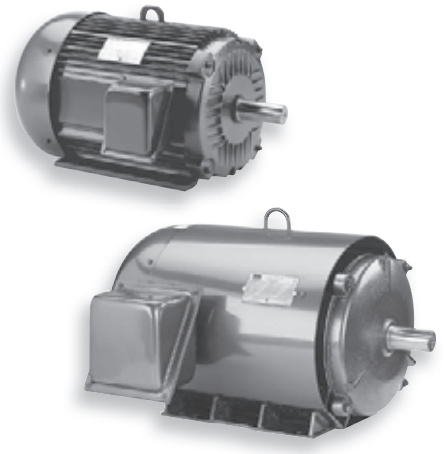
Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

*F.L. Amps at 460 Volts
▼ LM Numbers are Lincoln Models
C/A - Check Availability
Note 11 - TEBC
Note 12 - TENV

Inverter Duty Motors

Lincoln Inverter Duty Motors - 4:1 Speed Range - Totally Enclosed



Features:

- Inverter duty insulation system
- Constant HP range at 2x base speed 56 - 256T frames
- Constant HP range at 1.5x base speed 284T - 445T frames
- No mounting available for encoder devices
- Normally closed thermostats
- Steel and aluminum frame construction - see notes
- Precision balanced rotors

Three Phase - Totally Enclosed - Rigid Base

For use with inverters only

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1	1800	56	**LM22660**	√	743	SRF4S1T61Q40	28	208-230/460	3.6	4000	1.00	78.5	12.32	4:1	S, US
1	1800	143T	**LM26097**	C/A	833	SSF4P1T61Q40	46	208-230/460	3.0	4000	1.00	82.5	12.87	4:1	S, US
1 1/2	1800	56H	**LM22664**	C/A	819	SRF4S1.5T61Q40	28	208-230/460	5.0	4000	1.00	80	13.52	4:1	S, US
1 1/2	1800	145T	**LM26098**	C/A	844	SSF4P1.5T61Q40	51	208-230/460	5.0	4000	1.00	84	13.87	4:1	S, US
2	1800	145T	**LM25991**	C/A	878	SSF4P2T61Q40	51	208-230/460	6.0	4000	1.00	84	14.37	4:1	S, US
3	3600	182T	**LM21189**	C/A	1,156	AAF2P3T61Q40	83	208-230/460	7.4	4000	1.00	85.5	14.19	4:1	A, US
3	1800	182T	**LM21190**	C/A	1,066	AAF4P3T61Q40	83	208-230/460	8.4	4000	1.00	87.5	14.19	4:1	A, US
5	3600	184T	**LM21192**	C/A	1,343	AAF2P5T61Q40	92	208-230/460	12.4	4000	1.00	87.5	15.19	4:1	A, US
5	1800	184T	**LM21193**	√	1,186	AAF4P5T61Q40	92	208-230/460	13.4	4000	1.00	87.5	16.19	4:1	A, US
7 1/2	3600	213T	**LM21195**	C/A	1,815	AF2P7.5T61Q40	127	208-230/460	18.0	4600	1.00	88.5	18.30	4:1	A, US
7 1/2	1800	213T	**LM21196**	√	1,683	AF4P7.5T61Q40	127	208-230/460	20.0	4600	1.00	89.5	17.20	4:1	A, US
10	3600	215T	**LM21198**	C/A	1,987	AF2P10T61Q40	138	208-230/460	24.0	4600	1.00	89.5	18.25	4:1	A, US
10	1800	215T	**LM21199**	√	1,849	AF4P10T61Q40	138	208-230/460	25.4	4600	1.00	89.5	18.70	4:1	A, US
15	3600	254T	**LM21201**	C/A	2,653	AAF2P15T61Q40	209	208-230/460	35.0	4400	1.00	90.2	23.40	4:1	A, US
15	1800	254T	**LM21202**	√	2,514	AF4P15T61Q40	209	208-230/460	39.0	4400	1.00	91.0	23.40	4:1	A, US
20	3600	256T	**LM21204**	C/A	3,044	AF2P20T61Q40	236	208-230/460	47.0	4400	1.00	90.2	26.10	4:1	A, US
20	1800	256T	**LM21205**	C/A	2,912	AF4P20T61Q40	236	208-230/460	50.0	4400	1.00	91.0	25.15	4:1	A, US
25	1800	284T	**LM21208**	C/A	4,042	AF4P25T61YQ40	363	208-230/460	66.0	4200	1.00	92.4	26.62	4:1	A, US
30	1800	286T	**LM21211**	C/A	4,474	AF4P30T61YQ40	408	208-230/460	76.0	4200	1.00	92.4	28.12	4:1	A, US
40	1800	324T	**LM21214**	√	6,171	SF4P40T61YQ40	504	208-230/460	106.0	4000	1.00	93.0	28.50	4:1	S, US
50	1800	326T	**LM21217**	C/A	6,755	SF4P50T61YQ40	558	208-230/460	129.0	4000	1.00	93.0	30.00	4:1	S, US
60	1800	364T	**LM21220**	C/A	9,019	SF4P60T61YQ40	765	208-230/460	145.0	3800	1.00	93.6	31.90	4:1	S, US
75	1800	365T	**LM21223**	C/A	11,458	SF4P75T61YQ40	822	208-230/460	187.0	3800	1.00	94.1	32.90	4:1	S, US
100	1800	405T	**LM21227**	C/A	14,841	SF4P100T61YQ40	1002	208-230/460	244.0	3600	1.00	94.5	38.40	4:1	S, US
125	1800	444T	**LM21230**	C/A	18,438	SF4P125T64YQ40	1351	460	146.0*	3000	1.00	94.5	41.58	4:1	S, US
150	1800	445T	**LM21233**	C/A	21,329	SF4P150T64YQ40	1504	460	168.0*	3000	1.00	95.0	43.58	4:1	S, US
200	1800	445T	**LM21236**	C/A	25,373	SF4P200T64YQ40	1504	460	228.0*	3000	1.00	95.0	43.58	4:1	S, US
250	1800	447T	**LM21238**	C/A	30,535	SF4P250T64YQ40	1812	460	283.0*	2800	1.00	95.0	47.08	4:1	S, US
300	1800	449T	**LM21239**	C/A	33,047	SF4P300T64YQ40	2315	460	349.0*	2800	1.00	95.4	52.08	4:1	S, US

▼ LM Numbers are Lincoln Models
C/A - Check Availability
* F.L. Amps at 460 V

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Totally Enclosed - Rigid C Face

For use with inverters only

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/3	1800	56C	**LM22645**	√	670	SRF4S0.33TC61Q40	33	208-230/460	1.6	4000	1.0	72.0	11.31	4:01	S, US
1/2	1800	56C	**LM22649**	√	765	SRF4S0.5TC61Q40	33	208-230/460	2.4	4000	1.0	74.0	11.81	4:01	S, US
3/4	3600	56C	**LM22653**	C/A	687	SRF2S0.75TC61Q40	33	208-230/460	3.4	4000	1.0	74.0	11.81	4:01	S, US
3/4	1800	56C	**LM22655**	C/A	776	SRF4S0.75TC61Q40	33	208-230/460	3.0	4000	1.0	77.0	11.81	4:01	S, US
3/4	1200	56C	**LM22657**	C/A	911	SRF6S0.75TC61Q40	28	208-230/460	3.4	4000	1.0	72.0	12.81	4:01	S, US
1	3600	56C	**LM22659**	C/A	776	SRF2S1TC61Q40	33	208-230/460	3.7	4000	1.0	75.5	11.81	4:01	S, US
1	1800	56C	**LM22661**	√	796	SRF4S1TC61Q40	28	208-230/460	3.0	4000	1.0	78.5	11.81	4:01	S, US
1	1800	143TC	**LM26081**	C/A	891	SSF4P1TC61Q40	52	208-230/460	3.0	4000	1.0	82.5	12.87	4:01	S, US
1	1200	145TC	**LM26323**	C/A	1,063	SSF6P1TC61Q40	57	208-230/460	3.8	4000	1.0	80.0	14.87	4:01	S, US
1 1/2	1800	56HC	**LM22665**	C/A	874	SRF4S1.5TC61Q40	36	208-230/460	5.0	4000	1.0	80.0	13.32	4:01	S, US
1 1/2	1800	145TC	**LM26008**	C/A	897	SSF4P1.5TC61Q40	57	208-230/460	4.8	4000	1.0	84.0	13.87	4:01	S, US
2	1800	145TC	**LM25962**	√	955	SSF4P2TC61Q40	57	208-230/460	6.0	4000	1.0	84.0	14.37	4:01	S, US
3	3600	182TC	**LM22826**	C/A	1,241	AAF2P3TC61Q40	95	208-230/460	7.4	4000	1.0	85.5	14.83	4:01	A, US
3	1800	182TC	**LM22827**	√	1,151	AAF4P3TC61Q40	95	208-230/460	8.4	4000	1.0	87.5	14.83	4:01	A, US
5	1800	184TC	**LM22830**	C/A	1,276	AAF4P5TC61Q40	104	208-230/460	13.4	4000	1.0	87.5	16.83	4:01	A, US
7 1/2	1800	213TC	**LM22833**	C/A	1,596	AAF4P7.5TC61Q40	138	208-230/460	20.0	4600	1.0	89.5	17.95	4:01	A, US
10	1800	215TC	**LM22836**	C/A	1,849	AF4P10TC61Q40	149	208-230/460	25.4	4600	1.0	89.5	19.45	4:01	A, US
15	1800	254TC	**LM22839**	C/A	2,646	AF4P15TC61Q40	221	208-230/460	39.0	4400	1.0	91.0	23.4	4:01	A, US
20	1800	256TC	**LM22841**	√	3,045	AF4P20TC61Q40	248	208-230/460	50.0	4400	1.0	91.0	25.15	4:01	A, US

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Inverter Duty Motors

Lincoln Inverter Duty Motors - 10:1 Speed Range - Drip-Proof

Features:

- Variable torque speed range with open loop drive of 0-60 Hz
- Constant horsepower speed range of 2x base speed
- Ultimate Spike Defense Insulation System
- 1.00 service factor on PWM waveform,
- 1.15 service factor or better on sine-wave power
- Precision dynamic balanced rotor assembly
- Thermal overload protection (Class F thermostats)

Three Phase - Drip-Proof - Rigid Base

For use with inverters only

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1	1800	143T	**LM21148**	C/A	768	SSD4P1T61Q40	55	208-230/460	3.1	5000	1.0	82.5	12.49	10:1	S, US
1 1/2	1800	145T	**LM21151**	C/A	801	SSD4P1.5T61Q40	68	208-230/460	4.4	5000	1.0	84.0	12.49	10:1	S, US
2	1800	145T	**LM21153**	C/A	846	SSD4P2T61Q40	68	208-230/460	5.8	5000	1.0	84.0	12.49	10:1	S, US
3	1800	182T	**LM21157**	C/A	958	SSD4P3T61Q40	82	208-230/460	8.6	4800	1.0	86.5	13.72	10:1	S, US
5	1800	184T	**LM21159**	C/A	1,226	SSD4P5T61Q40	71	208-230/460	13.2	4800	1.0	87.5	13.19	10:1	S, US
7 1/2	1800	213T	**LM21162**	C/A	1,407	SSD4P7.5T61Q40	141	208-230/460	19.4	4600	1.0	88.5	17.29	10:1	S, US
10	1800	215T	**LM21165**	√	1,654	SSD4P10T61Q40	168	208-230/460	25.0	4600	1.0	89.5	17.29	10:1	S, US
15	1800	254T	**LM21168**	√	2,361	SSD4P15T61Q40	245	208-230/460	41.0	4400	1.0	91.0	22.32	10:1	S, US
20	1800	256T	**LM21171**	C/A	2,613	SSD4P20T61Q40	255	208-230/460	52.0	4400	1.0	91.0	22.32	10:1	S, US
25	1800	284T	**LM29579**	C/A	3,432	CCD4P25T61YQ40	350	208-230/460	61.0	4000	1.0	91.7	23.49	10:1	C, US
30	1800	286T	**LM29936**	C/A	3,905	CCD4P30T61YQ40	400	208-230/460	72.0	4000	1.0	92.4	24.99	10:1	C, US
40	1800	324T	**LM21180**	√	5,309	SD4P40T61YQ40	469	208-230/460	106	4000	1.0	93.0	25.82	10:1	S, US
50	1800	326T	**LM21118**	C/A	5,929	SD4P50T61YQ40	522	208-230/460	130	4000	1.0	93.0	27.32	10:1	S, US
60	1800	364T	**LM21121**	C/A	7,656	SD4P60T61YQ40	595	208-230/460	145	3600	1.0	94.0	28.40	10:1	S, US
75	1800	365T	**LM21124**	C/A	10,741	SD4P75T61YQ40	763	208-230/460	176	3800	1.0	94.1	32.90	10:1	S, US
100	1800	404T	**LM21127**	C/A	10,785	SD4P100T61YQ40	882	208-230/460	244	3600	1.0	94.1	31.81	10:1	S, US
125	1800	405T	**LM30727**	C/A	10,937	SD4P125T61YQ40	958	208-230/460	304	3600	1.0	94.5	33.31	10:1	S, US

Shaded model numbers are cast iron frame

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Features:

- Designed with exclusive IRIS® inverter rated insulation system
- Provides superior protection against voltage spikes induced by variable frequency drives
- Double shielded motor ball bearings
- Steel conduit box provided as standard
- Finished in high gloss hardened black enamel paint

Application Notes:

- Designed with high temperature insulation (Class F) to prevent overheating when operated with a PWM inverter down to a 10:1 speed range from the printed motor's speed range

Three Phase - Totally Enclosed - Rigid Base - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	F. L. Amps @ 230 V	♥Notes
1/15	1725	38	**M1140171.00**	√	372	CM38T17NK1	230	0.4	S, US, 12
1/6	1725	38	**M1140173.00**	C/A	401	CM38T17NK2	230	0.7	S, US, 12
1/4	1725	38	**M1140172.00**	√	431	CM38T17FK3	230	1.1	S, US, 13

C/A - Check Availability
Note 12 - TENV

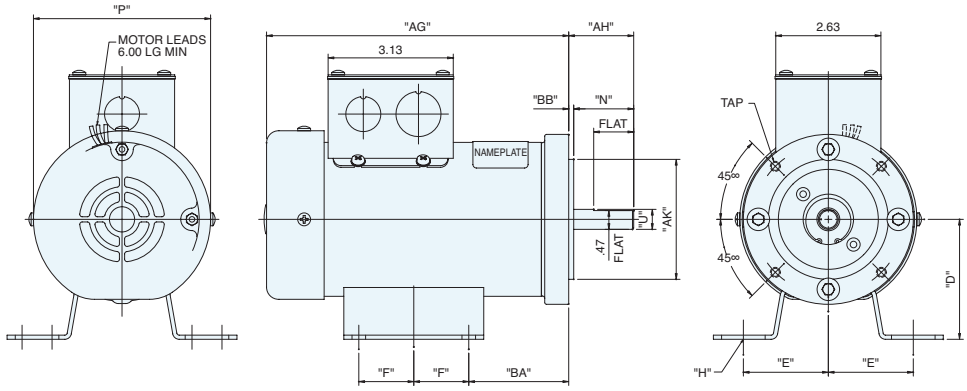
♥ Note listing on inside back flap
Specifications are subject to change without notice

38 Frame NEMA C Face With Base Dimensions

Catalog Number	AG	P	U	AH	BB	AJ	TAP	R	AK	BB	D	BA	E	F	H
M1140171.00	5.14	3.85	0.5	1.63	1	3.75	1/4-20	4.3	3.0	0.13	3.0	2.50	2.125	1.375	11/32 Slot
M1140173.00	6.14	3.85	0.5	1.63	1	3.75	1/4-20	4.3	3.0	0.13	3.0	2.50	2.125	1.375	11/32 Slot
M1140172.00	7.56	4.43	0.5	1.63	1	3.75	1/4-20	4.3	3.0	0.13	3.0	2.50	2.125	1.375	11/32 Slot

Specifications are subject to change without notice

AC 38 48C ALL DIMENSIONS IN INCHES



Both motors only and gearmotors will have inverter rated printed on the nameplate.
UL and CSA recognition for both motors only and gearmotors

Inverter Duty Motors

Platinum *e*™ Permanent Magnet AC Motors

NEW!

Commercial, Rolled Steel Frame (NEMA® S56C frame models)

Features:

- Meets or exceeds NEMA Premium (IE3)
- Class F IRIS® insulation system
- 20:1 Constant Torque open-loop (1000:1 closed-loop)
- IP43 enclosure (IP54 and IP55 available)
- Totally enclosed non-ventilated
- Sealed ball bearing
- High power density, low weight design
- Provisions for optional shaft grounding ring
- 3-year warranty
- Requires an AC inverter for operation

CONTROL ENGINEERING

2017 ENGINEERS' CHOICE AWARDS

WINNER

Industrial, Cast Iron Frame (NEMA 182-286 frame models)

Features:

- Ultra Efficient™ Premium-Plus exceeds NEMA Premium (IE4)
- Class H IRIS insulation system
- Cast iron construction for rigidity and reduced vibration
- Severe Duty, TEFC
- Normally closed thermostats (One per phase, Class F)
- High power density, low weight design
- UL,CSA and CE
- Optional terminal block
- Provisions for shaft grounding ring
- 3-year warranty
- Requires a PMAC inverter for operation

TENV and TEFC Three Phase C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Hertz	F. L. Amps	Nominal EFF	Torque (LB-FT)	"C" Dim. (Inches	♥Notes
1/4	1800	S56C	**103756.00**	√	498	48PNRA20202	13	208-230/460	90	.8/.4	82.5	0.729	7.82	S, MX
1/3	1800	S56C	**103757.00**	√	588	48PNRA20203	13	208-230/460	90	1.2/.6	84.0	0.963	7.82	S, MX
1/2	1800	S56C	**103758.00**	√	707	48PNRA20204	13	208-230/460	90	1.5/.75	83.5	1.5	7.82	S, MX
3/4	1800	S56C	**103759.00**	√	756	48PNRA20205	16	208-230/460	90	1.9/.94	85.5	2.2	8.82	S, MX
1	1800	S56C	**103760.00**	√	820	48PNRA20206	18	208-230/460	90	3.44/1.71	85.3	2.9	8.82	S, MX
1 1/2	1800	S56C	**104008.00**	√	997	48PNRA20207	23	208-230/460	90	5.4/2.7	86.1	4.4	9.68	S, MX
2	1800	S56C	**103761.00**	√	1,320	48PNRA20208	28	208-230/460	90	6.32/3.16	86.5	5.8	10.68	S, MX
3	1800	182TC	**132293.00**	√	3,116	182TPFSA20017	99	460	150	3.9	91.7	8.8	16.63	C, US
5	1800	184TC	**132294.00**	C/A	3,979	184TPFSA20018	108	460	150	6.4	91.7	14.6	16.63	C, US
7 1/2	1800	213TC	**140840.00**	√	4,825	213TPFSA20027	152	460	150	9.4	93.0	21.9	20.16	C, US
10	1800	215TC	**140841.00**	√	5,042	215TPFSA20028	166	460	150	11.7	93.6	29.2	20.16	C, US
15	1800	254TC	**825201.00**	√	5,775	254TPFSA20057	204	460	120	18.0	94.5	43.8	25.77	C, US
20	1800	256TC	**825202.00**	√	6,145	256TPFSA20058	253	460	120	24.0	95.0	58.3	25.77	C, US
25	1800	284TC	**825203.00**	√	7,374	284TPFSA20059	396	460	120	30.0	95.0	72.9	26.21	C, US
30	1800	286TC	**825204.00**	√	7,544	286TPFSA20060	416	460	120	35.5	95.4	87.5	27.71	C, US
40	1800	286TC	**825387.00**	√	9,170	286TPFSA20125	490	460	120	47.5	95.8	116.7	27.71	C, US

Shaded model numbers are cast iron frame

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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LEESON®

NEW!

LEESON® VSD Series Inverters At A Glance

For use with PMAC or AC induction motors

For more information,
please see pages 389-392
of this catalog.

	VSD	VSD - Plus
Power Range	1/3 - 3 HP	1/3 - 30 HP
Voltages	230/240 Volts 1 or 3 phase / 400/480 Volts	230/240 Volts 1 or 3 phase / 400/480 Volts
Hardware	• Memory module	**In addition to VSD**
	• IT-Grid compatible	• Brake chopper
	• Integrated EMC filters	• DC bus sharing
	• Zero clearance mounting	• Safety torque off (optional)
	• Form "C" relay	• Dedicated PTC
I/O	**Basic -I/O**	**Standard-I/O**
Communication	• Spring loaded control terminals (fixed)	•Pluggable control terminal
		Biploar speed reference
		24V keep alive
		Selectable PHP or NPN logic
		Application-I/O (optional)
		Additional I/Os
Fieldbus	CANopen/Modbus (optional)	CANopen, Modbus, Profibus,
		Profinet, EtherNet-I/P
Diagnostics	Hot-swappable options: keypad, USB module, WLAN module, Remote keypad	

Severe Duty Motors

Premium Efficient IEEE 841 Severe Duty Motors & Lincoln Encapsulated Multiguard® Motors

- IEEE-841 motors available – 5-year warranty
- 3-year warranty on premium efficient models
- Dual voltage designs
- 1.15 or 1.25 service factors
- Epoxy painted ratings
- Cast iron and steel frame construction
- Internal corrosion protection
- Inverter rated
- Shaft seals where applicable
- UL and CSA recognized

Applications:
Used in severe duty environments that you may find in foundries, pulp, paper mills, waste management facilities, above ground mines, refineries or other applications that demand corrosion protection for long motor life and dependability.

Severe Duty Motors

IEEE 841 Premium Efficient Motors

General Specifications:

Designed for harsh environments that you may find in refineries, above-ground mines, foundries, paper and pulp mills, cement plants or other severe duty applications.

Features:

- Inpro* shaft seals
- Inverter rated insulation system
- Re-greasable bearings
- Epoxy paint
- Test data supplied with each motor
- IP 56 enclosure protection
- Tested to IEEE45 USCG Marine Duty, API RP14F for offshore platforms
- Division 2 CSA certification for hazardous locations, Class 1 Groups A, B, C, D, temperature Code T2B
- 5-year warranty

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143T	**811541.00**	C/A	944	143THTN9026	55	460	1.5	85.5	1.15	10.43	C, US, 12
1	1200	145T	**811646.00**	√	1,258	145THTN9076	60	460	1.7	80.0	1.15	11.43	C, US, 12
1 1/2	3600	143T	**811542.00**	C/A	1,170	145THTN9005	58	460	2.0	86.5	1.15	10.43	C, US, 12
1 1/2	1800	145T	**811643.00**	C/A	1,175	145TTTN16627	68	460	2.3	86.5	1.15	11.43	C, US, 12
1 1/2	1200	182T	**811647.00**	√	1,610	182THTS9076	100	460	2.2	87.5	1.15	12.71	C, US, 12
2	3600	145T	**811544.00**	√	1,228	145THTN9001	68	460	2.5	85.5	1.15	11.43	C, US, 12
2	1800	145T	**811644.00**	C/A	1,210	145TTTN16626	72	460	3.0	86.5	1.15	11.43	C, US, 12
2	1200	184T	**811648.00**	√	1,988	184THTS9076	112	460	3.0	88.5	1.15	13.71	C, US, 12
3	3600	182T	**811546.00**	C/A	1,778	182THTS19005	105	460	3.8	87.5	1.15	12.71	C, US, 12
3	1800	182T	**811547.00**	√	1,508	182THTS19041	100	460	4.0	90.2	1.15	12.71	C, US, 12
3	1200	213T	**811649.00**	√	2,450	184THTS9076	176	460	4.4	89.5	1.15	18.22	C, US, 12
5	3600	184T	**811548.00**	√	1,910	184THFS19010	142	460	5.9	89.5	1.15	16.19	C, US
5	1800	184T	**811549.00**	√	1,760	184THFS19045	130	460	6.2	90.2	1.15	16.19	C, US
5	1200	215T	**811650.00**	√	3,006	215THFS9076	202	460	6.9	89.5	1.15	19.72	C, US
7 1/2	3600	213T	**811550.00**	C/A	2,255	213THTS19008	200	460	8.9	91.7	1.15	17.18	C, US, 12
7 1/2	1800	213T	**811551.00**	√	2,135	213THFS19044	200	460	9.6	91.7	1.15	19.72	C, US
7 1/2	1200	254T	**811651.00**	√	3,609	254THFNA9076	326	460	9.9	91.0	1.15	23.52	C, US
10	3600	215T	**811552.00**	√	2,636	215THFS19011	218	460	11.2	91.7	1.15	21.00	C, US
10	1800	215T	**811553.00**	√	2,585	215THFS19051	225	460	12.5	91.7	1.15	19.72	C, US
10	1200	256T	**811652.00**	√	4,407	256THFNA9076	405	460	13.1	91.0	1.15	25.27	C, US
15	3600	254T	**811554.00**	√	3,267	254THFNA19014	345	460	17.5	91.7	1.15	23.52	C, US
15	1800	254T	**811555.00**	√	3,106	254THFNA19052	350	460	18.8	92.4	1.15	23.52	C, US
15	1200	284T	**811653.00**	√	5,851	284THFNA9076	479	460	20.4	91.7	1.15	27.88	C, US
20	3600	256T	**811556.00**	C/A	4,036	256THFNA19004	375	460	23.4	92.4	1.15	25.27	C, US
20	1800	256T	**811557.00**	√	3,862	256THFNA19050	425	460	24.1	93.0	1.15	25.27	C, US
20	1200	286T	**811654.00**	√	7,128	286THFNA9076	550	460	26.8	91.7	1.15	27.84	C, US
25	3600	284TS	**811558.00**	C/A	5,010	284TSHFNA19009	481	460	28.1	93.6	1.15	25.27	C, US
25	1800	284T	**811559.00**	√	4,576	284THFNA19043	478	460	31.0	93.6	1.15	26.46	C, US
25	1200	324T	**811655.00**	√	8,461	324THFS9076	675	460	32.5	93.0	1.15	28.87	C, US

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

Note - 12 - TENV
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

*Inpro is believed to be the trademark or trade name of INPRO/SEAL LLC and is not controlled by Regal Beloit Corporation.

Severe Duty Motors

IEEE 841 Premium Efficient Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
30	3600	286TS	**811560.00**	C/A	6,151	286TSHFNA19002	500	460	33.8	93.6	1.15	26.46	C, US
30	1800	286T	**811561.00**	√	5,575	286THFNA19051	525	460	36.5	94.1	1.15	27.84	C, US
30	1200	326T	**811656.00**	√	9,952	326THFS9076	725	460	38.5	93.0	1.15	30.37	C, US
40	3600	324TS	**811562.00**	√	8,168	324TSHFS19007	656	460	47.0	93.6	1.15	27.37	C, US
40	1800	324T	**811563.00**	√	7,632	324THFS19045	700	460	47.5	94.1	1.15	28.90	C, US
40	1200	364T	**811657.00**	√	12,409	364THFS19087	950	460	50.0	94.1	1.15	31.50	C, US
50	3600	326TS	**811564.00**	√	10,525	326TSHFS19005	725	460	58.0	93.6	1.15	28.90	C, US
50	1800	326T	**811565.00**	√	9,138	326THFS19057	775	460	60.0	94.5	1.15	30.37	C, US
50	1200	365T	**811658.00**	√	15,221	365THFS19086	942	460	61.5	94.5	1.15	32.50	C, US
60	3600	364TS	**811566.00**	C/A	12,659	364TSHFS19006	925	460	67.0	94.5	1.15	29.38	C, US
60	1800	364T	**811567.00**	C/A	12,047	364THFS19047	1000	460	69.0	95.0	1.15	31.50	C, US
60	1200	404T	**811659.00**	√	16,698	404THFS9086	1156	460	72.0	94.5	1.15	35.62	C, US
75	3600	365TS	**811568.00**	√	15,963	365TSHFS19005	1002	460	84.0	94.5	1.15	30.38	C, US
75	1800	365T	**811569.00**	√	15,478	365THFS19052	1100	460	86.0	95.4	1.15	32.50	C, US
75	1200	405T	**811660.00**	√	19,564	405THFS9086	1280	460	90.0	95.0	1.15	37.12	C, US
100	3600	405TS	**811570.00**	C/A	21,621	405TSHFS19006	1295	460	108.0	95.0	1.15	34.10	C, US
100	1800	405T	**811571.00**	√	18,877	405THFS19060	1330	460	113.0	95.4	1.15	37.10	C, US
100	1200	444T	**811661.00**	√	28,994	444THFN19081	2100	460	142.0	94.1	1.15	43.27	C, US
125	3600	444TS	**811586.00**	√	24,614	444TSHFN19003	1682	460	142.0	95.0	1.15	39.64	C, US
125	1800	444T	**811587.00**	√	22,918	444THFN19055	1725	460	141.0	95.4	1.15	41.25	C, US
125	1200	445T	**811662.00**	C/A	32,994	445THFN9086	2000	460	155.0	95.0	1.15	43.35	C, US
150	3600	445TS	**811588.00**	√	29,567	445TSHFN19005	2187	460	165.0	95.8	1.15	39.37	C, US
150	1800	445T	**811589.00**	√	25,409	445THFN19072	2070	460	172.0	95.8	1.15	43.19	C, US
150	1200	445T	**811663.00**	C/A	36,918	445THFN9087	2500	460	181.0	95.8	1.15	43.35	C, US
200	3600	445TS	**811590.00**	√	37,403	445TSHFN19006	2300	460	223.0	95.8	1.15	39.37	C, US
200	1800	445T	**811591.00**	√	30,902	445THFN19074	2437	460	226.0	96.2	1.15	43.19	C, US
200	1200	447/9T	**811664.00**	C/A	45,191	449THFS19092	2927	460	225.0	95.8	1.15	51.84	C, US
250	3600	447/9TS	**811592.00**	C/A	47,171	449TSHFS19008	2635	460	270.0	96.5	1.15	47.94	C, US
250	1800	447/9T	**811593.00**	C/A	44,586	449THFS19344	2834	460	285.0	96.5	1.15	51.69	C, US
300	1800	447/9T	**811594.00**	C/A	45,479	449THFS19345	3039	460	390.0	96.5	1.15	51.84	C, US
350	3600	447/9TS	**811595.00**	C/A	70,116	449TSHFS19009	2888	460	380.0	96.2	1.15	47.94	C, US
350	1800	447/9T	**811596.00**	C/A	57,811	449THFS19346	3082	460	450.0	96.2	1.15	51.84	C, US

Shaded model numbers are cast iron frame

Green items are Premium Efficient

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

LEESON®

General Specifications:

Designed specifically to meet severe duty environments that you may find in applications such as chemical plants, foundries, pulp and paper mills, waste management facilities and above ground mines.

Features:

- Full cast iron construction
- Inverter rated insulation system
- Epoxy painted
- Shaft seals both ends
- Internal corrosion protection
- IP 55 enclosure protection
- Division 2 CSA certification for hazardous locations, Class 1 Groups A, B, C, D, temperature Code T2B
- 3-year warranty

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182T	**171623.60**	√	1,188	C184T17FB1	112	208-230/460	7.8	90.2	1.25	16.60	C, CN
3	1200	213T	**171634.60**	√	1,676	C213T11FW1	133	208-230/460	9.4	89.5	1.25	18.70	C, CN
5	1800	184T	**171630.60**	√	1,230	C184T17FB1	120	208-230/460	12.8	89.5	1.15	17.30	C, CN
5	1200	215T	**171635.60**	√	1,875	C215T11FW1	186	208-230/460	14.4	89.5	1.25	20.10	C, CN
7 1/2	3600	213T	**171616.60**	√	1,708	C213T34FW1	155	208-230/460	18.0	91.0	1.25	18.70	C, CN
7 1/2	1800	213T	**171622.60**	√	1,648	C213T17FW1	165	208-230/460	18.6	91.7	1.25	18.70	C, CN
7 1/2	1200	254T	**171636.60**	√	2,438	C254T11FW1	263	208-230/460	22.2	91.7	1.25	23.70	C, CN
10	3600	215T	**171617.60**	√	2,026	C215T34FW1	190	208-230/460	23.0	91.7	1.25	20.10	C, CN
10	1800	215T	**171631.60**	√	1,965	C215T17FB1	187	208-230/460	25.0	91.7	1.25	20.10	C, CN
10	1200	256T	**171637.60**	√	3,486	C256T11FB1	312	208-230/460	29.0	91.7	1.25	25.40	C, CN
15	3600	254T	**171620.60**	√	2,754	C254T34FW1	294	208-230/460	34.6	92.4	1.25	23.70	C, CN
15	1800	254T	**171632.60**	√	2,664	C254T17W1	294	208-230/460	36.0	92.4	1.25	23.70	C, CN
15	1200	284T	**171638.60**	√	4,719	C284T11FW1	346	208-230/460	40.6	92.4	1.25	26.80	C, CN
20	3600	256T	**171621.60**	√	3,365	C256T34FW1	330	208-230/460	46.0	92.4	1.25	25.40	C, CN
20	1800	256T	**171633.60**	√	3,326	C256T17FW1	335	208-230/460	49.0	93.0	1.15	25.40	C, CN
20	1200	286T	**171639.60**	√	5,896	C286T11FW1	405	208-230/460	54.0	92.4	1.25	28.30	C, CN
25	3600	284TS	**171778.60**	√	4,108	C284T34FB11	403	208-230/460	56.8	93.0	1.15	24.88	C, CN
25	1800	284T	**171779.60**	√	3,880	C284T17FB14	405	208-230/460	59.0	93.6	1.15	26.26	C, CN
25	1200	324T	**171780.60**	√	6,483	C324T11FB16	566	208-230/460	66.0	93.6	1.15	29.53	C, CN
30	3600	286TS	**171781.60**	√	4,849	C286T34FB10	435	208-230/460	67.0	93.0	1.15	26.46	C, CN
30	1800	286T	**171782.60**	√	4,520	C286T17FB12	455	208-230/460	70.0	94.1	1.15	27.83	C, CN
30	1200	326T	**171783.60**	√	7,277	C326T11FB12	636	208-230/460	77.0	93.6	1.15	31.02	C, CN
40	3600	324TS	**171784.60**	√	6,048	C324T34FB9	522	208-230/460	89.0	93.6	1.25	28.03	C, CN
40	1800	324T	**171785.60**	√	6,005	C324T17FB12	553	208-230/460	92.0	94.1	1.15	29.53	C, CN
40	1200	364T	**171786.60**	√	9,976	C364T11FB14	803	208-230/460	102.0	94.1	1.15	32.64	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

Continued on next page

♥ Note listing on inside back flap
Specifications are subject to change without notice

Severe Duty Motors

Premium Efficient Severe Duty - WATTSaver® e Plus

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
50	3600	326TS	**171787.60**	√	7,345	C326T34FB10	578	208-230/460	111	94.5	1.25	29.53	C, CN
50	1800	326T	**171788.60**	√	7,253	C326T17FB13	612	208-230/460	117	94.5	1.15	31.02	C, CN
50	1200	365T	**171789.60**	√	11,973	C365T11FB14	698	208-230/460	124	94.1	1.15	33.62	C, CN
60	3600	364TS	**171790.60**	√	10,896	C364T34FW1	770	208-230/460	136	94.1	1.15	30.51	C, CN
60	1800	364T	**171791.60**	√	10,315	C364T17FB12	903	208-230/460	137	95.4	1.15	32.64	C, CN
60	1200	404T	**171792.60**	√	14,121	C404T11FB11	1050	208-230/460	142	94.5	1.25	36.42	C, CN
75	3600	365TS	**171793.60**	√	13,347	C365T34FB9	822	208-230/460	169	94.5	1.15	31.50	C, CN
75	1800	365T	**171794.60**	√	12,872	C365T17FB11	1050	208-230/460	171	95.8	1.15	33.62	C, CN
75	1200	405T	**171795.60**	√	14,884	C405T11FB12	1020	208-230/460	176	95.0	1.15	38.91	C, CN
100	3600	405TS	**171796.60**	√	16,434	C405T34FB11	1018	208-230/460	218	95.0	1.15	35.92	C, CN
100	1800	405T	**171797.60**	√	16,008	C405T17FB10	1121	208-230/460	225	95.4	1.15	39.40	C, CN
100	1200	444T	**171798.60**	√	21,189	C444T11FB11	1480	460	121*	95.0	1.15	43.87	C, CN
125	3600	444TS	**171799.60**	√	19,623	C444T34FB12	1405	460	132*	95.0	1.15	41.10	C, CN
125	1800	444T	**171800.60**	√	21,254	C444T17FB12	1605	460	137*	95.4	1.15	43.87	C, CN
125	1200	445T	**171801.60**	√	23,941	C445T11FB9	1630	460	155*	95.4	1.15	45.88	C, CN
150	3600	445TS	**171802.60**	√	24,219	C445T34FB7	1560	460	161*	95.0	1.15	45.88	C, CN
150	1800	445T	**171803.60**	√	24,316	C445T17FB14	1670	460	163*	95.8	1.15	45.88	C, CN
150	1200	447T	**171804.60**	√	26,997	C447T11FB7	2270	460	185*	95.8	1.15	49.00	C, CN
200	3600	447TS	**171805.60**	√	27,893	C447T34FB7	2135	460	216*	95.4	1.15	49.00	C, CN
200	1800	447T	**171806.60**	√	27,850	C447T17FB11	2820	460	216*	96.2	1.15	49.00	C, CN
200	1200	449T	**171807.60**	√	35,361	C449T11FB7	2590	460	241*	96.2	1.15	53.80	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Specifications are subject to change without notice

Green items are Premium Efficient

*F.L. Amps @ 460 volts

LEESON®

Three Phase - TEFC - Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182TC	**171815.60**	√	1,274	182T17WK1	125	208-230/460	7.8	90.2	1.15	15.89	C, CN
3	1200	213TC	**171816.60**	√	1,797	213T11WK1	142	208-230/460	9.4	89.5	1.15	18.19	C, CN
5	1800	184TC	**171817.60**	√	1,319	184T17WK1	131	208-230/460	12.8	89.5	1.15	16.80	C, CN
5	1200	215TC	**171818.60**	√	2,010	215T11WK1	180	208-230/460	14.4	89.5	1.15	19.61	C, CN
7 1/2	1800	213TC	**171819.60**	√	1,767	213T17WK1	155	208-230/460	18.6	91.7	1.15	18.19	C, CN
7 1/2	1200	254TC	**171820.60**	√	2,614	254T11WK1	249	208-230/460	22.2	91.7	1.15	23.19	C, CN
10	1800	215TC	**171821.60**	√	2,106	215T17WK1	177	208-230/460	25.0	91.7	1.15	19.61	C, CN
10	1200	256TC	**171822.60**	√	3,737	256T11WK1	300	208-230/460	29.0	91.7	1.15	24.92	C, CN
15	1800	254TC	**171823.60**	√	2,856	254T17WK1	284	208-230/460	36.0	92.4	1.15	23.19	C, CN
15	1200	284TC	**171824.60**	√	5,059	284T11WK1	333	208-230/460	40.6	92.4	1.15	26.26	C, CN
20	1800	256TC	**171825.60**	√	3,565	256T17WK1	325	208-230/460	49.0	93.0	1.15	24.92	C, CN
20	1200	286TC	**171826.60**	√	6,321	286T11WK1	423	208-230/460	54.0	92.4	1.15	27.83	C, CN
25	1800	284TC	**171827.60**	√	4,159	284T17WK1	388	208-230/460	59.0	93.6	1.15	26.26	C, CN
25	1200	324TC	**171828.60**	√	6,950	324T11WK1	578	208-230/460	66.0	93.6	1.15	29.53	C, CN
30	1800	286TC	**171829.60**	√	4,845	286T17WK1	436	208-230/460	70.0	94.1	1.15	27.83	C, CN
30	1200	326TC	**171830.60**	√	7,801	326T11WK1	646	208-230/460	77.0	93.6	1.15	31.02	C, CN
40	1800	324TC	**171831.60**	√	6,437	324T17WK1	532	208-230/460	92.0	94.1	1.15	29.53	C, CN
40	1200	364TC	**171832.60**	√	10,694	364T11WK1	816	208-230/460	102	94.1	1.15	32.64	C, CN
50	1800	326TC	**171833.60**	√	7,775	326T17WK1	592	208-230/460	117	94.5	1.15	31.02	C, CN
50	1200	365TC	**171834.60**	√	12,835	365T11WK1	712	208-230/460	124	94.1	1.15	33.62	C, CN
60	1800	364TC	**171835.60**	√	11,058	364T17WK1	670	208-230/460	137	95.4	1.15	32.64	C, CN
60	1200	404TC	**171836.60**	√	15,138	404T11WK1	1062	208-230/460	142	94.5	1.15	36.42	C, CN
75	1800	365TC	**171837.60**	√	13,799	365T17WK1	739	208-230/460	171	95.8	1.15	33.62	C, CN
75	1200	405TC	**171838.60**	√	15,956	405T11WK1	1066	208-230/460	176	95.0	1.15	37.91	C, CN
100	1800	405TC	**171839.60**	√	17,161	405T17WK1	1076	208-230/460	225	95.4	1.15	37.91	C, CN
100	1200	444TC	**171840.60**	√	22,715	444T11WK1	1492	460	121*	95.0	1.15	42.87	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

*F.L. Amps @ 460 volts

Severe Duty Motors

Lincoln Severe Duty

General Specifications:

Cast iron designed motors that are designed for use in pulp and paper mills, foundries, chemical plants or any severe duty application.

Features:

- Meets Ford* EM1-1996 Spec.
- 460 volt - 3 lead designs
- Full cast iron construction
- Class F insulation
- Shielded ball bearing construction

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143T	**LM32856**	C/A	917	CCS4B1T61	59	208-230/460	3.3	84.0	1.15	14.17	C, US
1	1200	145T	**LM32857**	C/A	1,142	CCS6B1T61	57	208-230/460	3.6	82.5	1.15	14.29	C, US
2	1800	145T	**LM32862**	√	1,021	CCS4B2T61	64	208-230/460	6.0	86.5	1.25	14.30	C, US
3	1800	182T	**LM16644**	C/A	1,241	CCS4B3T61T5	104	208-230/460	8.0	90.2	1.25	15.20	C, US
5	1800	184T	**LM16650**	C/A	1,357	CCS4B5T61T5	138	208-230/460	12.4	90.2	1.15	16.20	C, US
7 1/2	1800	213T	**LM32869**	C/A	1,770	CCS4B7.5T61	223	208-230/460	19.4	91.7	1.15	19.70	C, US
10	1800	215T	**LM16919**	C/A	2,236	CCS4B10T61	213	208-230/460	25.0	91.7	1.25	19.63	C, US
15	1800	254T	**LM32873**	C/A	2,801	CCS4B15T61	322	208-230/460	37.5	92.4	1.15	23.52	C, US
20	1800	256T	**LM32876**	C/A	3,611	CCS4B20T61	368	208-230/460	48.0	93.0	1.15	25.30	C, US
25	1800	284T	**LM32879**	C/A	4,251	CCS4B25T61Y	495	208-230/460	62.0	93.6	1.25	26.30	C, US
30	1800	286T	**LM32882**	C/A	5,022	CCS4B30T61Y	519	208-230/460	73.0	94.1	1.15	27.84	C, US
40	1800	324T	**LM32885**	C/A	6,631	CCS4B40T61Y	835	208-230/460	——	94.1	1.15	——	C, US
50	1800	326T	**LM32887**	C/A	7,723	CCS4B50T61Y	692	208-230/460	120	94.5	1.15	30.40	C, US
60	1800	364T	**LM32890**	C/A	12,486	CCS4B60T61Y	980	208-230/460	——	95.0	1.15	——	C, US
75	1800	365T	**LM32893**	C/A	14,166	CCS4B75T61Y	1018	208-230/460	172	95.4	1.15	32.50	C, US
100	1800	405T	**LM32896**	C/A	17,133	CCS4B100T61Y	1338	208-230/460	226	95.4	1.15	37.10	C, US
125	1800	444T	**LM32899**	C/A	21,818	CCS4B125T64Y	1874	460	*	95.4	1.15	——	C, US
150	1800	445T	**LM32902**	C/A	28,325	CCS4B150T64Y	2070	460	*	95.8	1.15	——	C, US
200	1800	449T	**LM32905**	C/A	32,226	CCS4B200T64Y	2305	460	224*	96.2	1.15	51.80	C, US
250	1800	449T	**LM34101**	C/A	36,450	CCS4B250T64Y	2572	460	285*	96.5	1.15	51.80	C, US
300	1800	449T	**LM14642**	C/A	36,959	CCS4B300T64Y	2572	460	341*	96.2	1.15	51.80	C, US
300	1800	449T	**LM22909**	C/A	36,959	CCS4B300T64	2572	460	341*	96.2	1.15	51.84	C, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
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Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability
*F.L. Amps @ 460 volts

*Ford is believed to be the trademark or trade name of Ford Motor Company and is not controlled by Regal Beloit Corporation.

General Specifications:

Multiguard motors utilize an ODP enclosure utilizing an impregnated and encapsulated process to seal the winding endcoils from contamination. This process protects the windings from moisture, vibration, and some chemical actions.

Features:

- Encapsulated windings
- Durable steel frame construction
- NEMA® design B performance
- 284T - 405T: Y-delta start on either voltage
- 444T - 445T: Y-delta start and part-winding start
- 3-year warranty
- Made in the U.S.A.
- NOT FOR USE WITH VFDs
- Contact sales office for 50HZ ratings as the frame sizes will change from 60HZ

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
40	1800	324T	**LM34365**	√	9,694	MD4B40T61	431	208-230/460	101.0	94.1	1.00	26.01	S, US
40	1800	324TS	**LM03670**	D	5,766	MD4S40TS61	420	208-230/460	99.0	90.2	1.00	24.50	S, US
40	1800	324TS	**LM34366**	C/A	9,679	MD4B40TS61	——	208-230/460	——	94.1	1.00	——	S, US
50	1800	326T	**LM03683**	D	6,002	MD4S50T61	476	208-230/460	124.0	89.5	1.00	27.30	S, US
50	1800	326T	**LM34368**	√	10,930	MD4B50T61	488	208-230/460	132.0	94.5	1.00	27.32	S, US
60	1800	364T	**LM34370**	C/A	12,825	MD4B60T61	660	208-230/460	141	94.5	1.00	28.40	S, US
75	1800	365T	**LM34371**	√	13,541	MD4B75T61	644	208-230/460	177	95.0	1.00	29.40	S, US
75	1200	405T	**LM34373**	C/A	19,239	MD6B75T61	——	208-230/460	——	91.7	1.00	——	S, US
100	1800	404T	**LM34375**	C/A	13,618	MD4B100T61	887	208-230/460	246	95.4	1.00	31.81	S, US
125	1800	405T	**LM34377**	√	14,898	MD4B125T61	987	208-230/460	298	95.4	1.00	33.31	S, US
125	1800	405TS	**LM34378**	C/A	14,898	MD4B125TS61	——	208-230/460	——	95.4	1.00	——	S, US
150	1800	444T	**LM34380**	√	17,470	MD4B150T64PY	——	460	——	95.8	1.00	——	S, US
200	1800	445T	**LM34381**	C/A	21,320	MD4B200T64PY	——	460	——	95.8	1.00	——	S, US
250	1800	447T	**LM34382**	C/A	22,284	MD4B250T64PY	1436	460	284*	95.8	1.00	42.93	S, US
250	1800	445TS	**LM34383**	C/A	22,284	MD4B250TS64PY	——	460	——	95.8	1.00	——	S, US

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Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability
*F.L. Amps @ 460 volts

♥ Note listing on inside back flap
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Severe Duty Motors

Lincoln ODP-Encapsulated Multiguard® Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
40	1800	324TC	**LM34389**	C/A	9,818	MDBS40TC61	496	208-230/460	101	94.1	1.0	——	S, US
50	1800	326TC	**LM03686**	D	6,674	MD4S50TC61	486	208-230/460	124	89.5	1.0	27.40	S, US
50	1800	326TC	**LM34390**	C/A	10,750	MD4B50TC61	——	208-230/460	——	94.5	1.0	——	S, US
60	1800	364TC	**LM34391**	C/A	13,953	MD4S60TC61	——	208-230/460	——	95.0	1.0	——	S, US
60	1800	364TSC	**LM34392**	C/A	13,953	MD4B60TSC61	654	208-230/460	141	95.0	1.0	26.27	S, US
75	1800	365TC	**LM34393**	C/A	14,485	MD4B75TC61	709	208-230/460	177	95.0	1.0	29.35	S, US
75	1800	365TSC	**LM34394**	C/A	14,485	MD4B75TSC61	729	208-230/460	177	95.0	1.0	27.27	S, US
100	1800	404TC	**LM34395**	C/A	14,810	MD4B100TC61	881	208-230/460	246	95.4	1.0	32.16	S, US
100	1800	404TSC	**LM34396**	C/A	14,810	MD4B100TSC61	897	208-230/460	246	95.4	1.0	29.16	S, US
125	1800	405TC	**LM34397**	C/A	15,157	MD4B125TC61	——	208-230/460	——	95.4	1.0	——	S, US
125	1800	405TSC	**LM34398**	C/A	14,014	MD4B125TSC61	988	208-230/460	298	95.4	1.0	30.66	S, US
150	1800	444TSC	**LM34399**	C/A	18,435	MD4B150TSC64PY	——	460	——	95.8	1.0	——	S, US
200	1800	445TSC	**LM34400**	C/A	22,283	MD4B200TSC64PY	1435	460	222*	95.8	1.0	35.00	S, US

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability
*F.L. Amps @ 460 volts

♥ Note listing on inside back flap
Specifications are subject to change without notice

Lincoln ODP-Encapsulated Multiguard® Motors

Three Phase - Drip-Proof - Double C Face/Double Shaft - With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
40	1800	324TC	**LM34403**	C/A	11,358	MD4B40TCTMC61Y	462	208-230/460	101	94.1	1.0	30.88	S, US
40	1800	324TSC	**LM34404**	C/A	10,763	MD4B40TSCTSC61	——	208-230/460	101	94.1	1.0	28.50	S, US
50	1800	326TC	**LM34405**	C/A	12,603	MD4B50TCTMC61	——	208-230/460	——	94.5	1.0	——	S, US
50	1800	326TSC	**LM34406**	C/A	12,603	MD4B50TSCT61Y	——	208-230/460	——	94.5	1.0	——	S, US
60	1800	364TC	**LM34407**	C/A	15,214	MD4B60TCTMC61	——	208-230/460	——	95.0	1.0	——	S, US
60	1800	364TSC	**LM34408**	C/A	15,214	MD4B60TSCTSC61	——	208-230/460	——	95.0	1.0	——	S, US
75	1800	365TC	**LM34409**	C/A	15,970	MD4B75TCTMC61	——	208-230/460	——	95.0	1.0	——	S, US
75	1800	365TSC	**LM34410**	C/A	15,970	MD4B75TSCTSC61Y	732	208-230/460	177	95.0	1.0	31.41	S, US
100	1800	404TSC	**LM34411**	C/A	14,938	MD4B100TSCTSC61	——	208-230/460	246	95.4	1.0	34.00	S, US
125	1800	405TSC	**LM34412**	C/A	15,385	MD4B125TSCTSC61	——	208-230/460	——	95.4	1.0	——	S, US
150	1800	444TSC	**LM34414**	C/A	19,503	MD4B150TSCTSC64PY	1272	460	——	95.8	1.0	——	S, US

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability
*F.L. Amps @ 460 volts

♥ Note listing on inside back flap
Specifications are subject to change without notice

CUSTOMIZED AND MODIFIED PRODUCTS

Custom Motors, Gearboxes & Gearmotors

LEESON is a leading designer and manufacturer of application-specific AC and DC motors and gearmotors in sub-fractional, fractional and integral horsepower sizes. We offer a database of over 30,000 custom designs, experienced application and design engineering teams to ensure the best, most cost-effective custom motor solution.

Custom Multi-Speed & Low-Speed Motors

LEESON's PDQ Modular Production Program utilizes specially designed and standard components to make almost any imaginable NEMA® frame multi-speed or low-speed motor available when you need it. We pride ourselves on fast turnaround times on highly customized motors.

Custom motors include two, three and four-speed motors and speed ranges of 900, 720, 600, 450 and 300 RPMs. We also specialize in non-standard shaft designs. For quotations, availability and application assistance, contact your local LEESON sales office.

Mod-Squad Program

Quick-turnaround stock motor modifications are available through the LEESON Motor Mod-Squad. Adding cords or switches, changing mountings, extending leads and incorporating various severe-duty features are among the many standard modifications offered.

MOD-SQUAD
MOTORS MODIFIED FAST

For complete stock products information, visit our online technical database at www.leeson.com/findaproduct.

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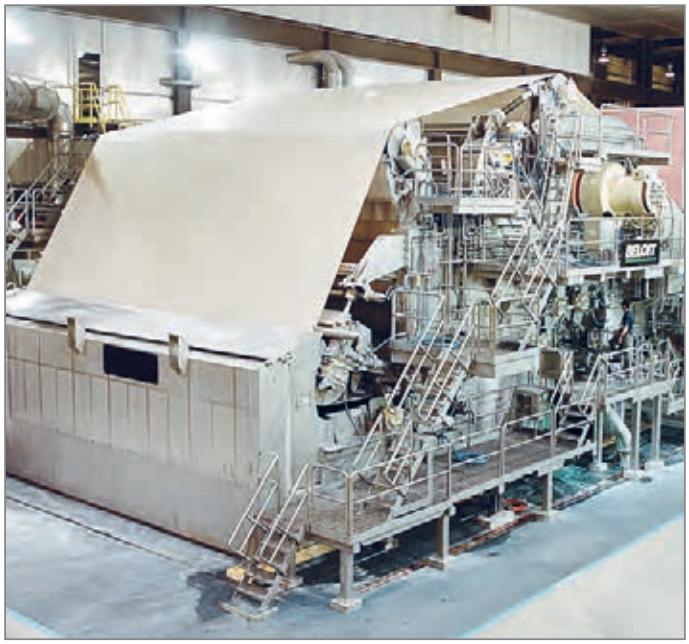
LEESON®

Explosion Proof Motors

- Meets all UL and CSA safety requirements
- Single and three phase motors
- Double shielded ball bearings
- Automatic overload protection or thermostat protected
- Includes explosion proof conduit box
- NEMA® 1.0 or 1.15 service factor
- 1-year warranty
- 3-year warranty on premium efficient models
- ATEX Ⓔx Zone 2 & 22 ratings available

Applications:
These motors must be applied in accordance with the National Electrical Code, Article #500. Consult NFPA Publication 497M for a complete listing of explosive agents that are typically found in the environments that these motors are exposed to.



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LEESON®

Application Notes:
These motors must be applied in accordance with the National Electrical Code, Article #500. A partial listing of explosive agents is noted below. Consult NFPA Publication 497M for a complete listing. Please note subheads above each column for qualifications of LEESON® motors.

Features:
- Meets UL and CSA safety requirements
- Automatic overload or thermostat protected
- Explosion rated conduit box included
- Internal mounted capacitors
- Double shielded ball bearings
- Meets temperature code T3B

Rating Information:
According to UL Division I areas are environments where a hazard is present continuously or would be subject to fire or explosion if the hazard was present as a result of an accident or uncommon occurrence.

Division II areas are environments where the threat of fire or explosion is not normally present and not likely to result in the event of an abnormal occurrence.

Application Notes:
Class I
Group A: Acetylene
Group B: Butadiene, ethylene oxide, hydrogen, propylene oxide, manufactured gases containing more than 30% hydrogen by volume.
Group C: Acetaldehyde, cyclopropane, diethyl ether, ethylene.
Group D: Acetone, acrylonitrile, ammonia, benzene, butane, ethanol, ethylene dichloride, gasoline, hexane, isoprene, methane (natural gas), methanol, naphtha, propane, propylene, styrene, toluene, vinyl acetate, vinyl chloride, xylene.
Class II
Group E: Aluminum, magnesium and other metal dusts with similar characteristics.
Group F: Carbon black, coke or coal dust.
Group G: Flour, starch or grain dust.

Note: No LEESON motors are listed for Class I, Group A or B for Division I.

Please contact your local LEESON sales office for ATEX certified motors, zone 2 and 22.

Explosion-Proof Motors

Single Phase - Rigid Base

Division I, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	**111074.00**	√	819	A6C17EB20	35	115/230	Auto.	2.9	1.00	12.97	S, US, 12
1/2	1800	56H	**111084.00**	√	903	A6C17XB22	41	115/230	Auto.	4.4	1.00	13.58	S, US, 6, 13
3/4	1800	56H	**110934.00**	√	1,066	A6C17XB21	46	115/230	Auto.	5.5	1.00	14.08	S, US, 6, 13
1	1800	56H	**110961.00**	√	1,210	A6C17XB20	47	115/230	Auto.	6.7	1.00	14.08	S, US, 6, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - C Face Less Base

Division I, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	**111095.00**	√	861	A6C34EC20	38	115/230	Auto.	2.2	1.00	13.44	S, US, 13
1/3	1800	56C	**111075.00**	√	903	A6C17EC20	41	115/230	Auto.	2.9	1.00	12.97	S, US, 12
1/2	3600	56C	**111098.00**	√	871	A6C34XC22	35	115/230	Auto.	4.2	1.00	13.44	S, US, 13
1/2	3600	56J	**116188.00**	√	822	A6C34XC31	35	115/230	Auto.	3.8	1.00	13.96	S, US, 13
1/2	1800	56C	**111085.00**	√	1,002	A6C17XC22	45	115/230	Auto.	4.4	1.00	13.94	S, US, 13
3/4	3600	56C	**111097.00**	√	934	A6C34XC21	40	115/230	Auto.	5.0	1.00	13.96	S, US, 13
3/4	3600	56J	**116186.00**	√	926	A6C34XC32	40	115/230	Auto.	5.0	1.00	14.46	S, US, 13
3/4	1800	56C	**111086.00**	√	1,111	A6C17XC21	50	115/230	Auto.	5.5	1.00	14.44	S, US, 13
1	3600	56C	**111096.00**	√	1,002	A6C34XC20	49	115/230	Auto.	6.2	1.00	14.44	S, US, 13
1	3600	56J	**116185.00**	√	993	A6C34XC33	49	115/230	Auto.	6.0	1.00	14.96	S, US, 13
1	1800	56C	**110852.00**	√	1,268	A6C17XC20	53	115/230	Auto.	6.7	1.00	14.44	S, US, 13
1 1/2	3600	56C	**114424.00**	√	1,241	A6C34XC26	44	115/230	Auto.	8.5	1.00	14.96	S, US, 13
1 1/2	3600	56J	**116183.00**	√	1,273	A6C34XC34	54	115/230	Auto.	8.5	1.00	14.95	S, US, 13
2	3600	56C	**114425.00**	√	1,361	A6C34XC27	54	115/230	Auto.	10.5	1.00	14.94	S, US, 13
2	3600	56J	**116181.00**	√	1,385	A6C34XC35	54	115/230	Auto.	10.5	1.00	15.45	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - C Face With Base

Division I, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	**116605.00**	√	891	A6C34XK7	39	115/230	Auto.	2.6	1.00	13.44	S, US, 13
1/3	1800	56C	**116606.00**	√	931	A6C17XK33	42	115/230	Auto.	3.3	1.00	13.44	S, US, 13
1/3	1200	56C	**116607.00**	√	1,066	A6C17XK31	45	115/230	Auto.	3.9	1.00	13.94	S, US, 6, 13
1/2	3600	56C	**116608.00**	√	898	A6C34XK6	36	115/230	Auto.	3.8	1.00	13.44	S, US, 6, 13
1/2	1800	56C	**116609.00**	√	1,032	A6C17XK32	46	115/230	Auto.	4.4	1.00	13.94	S, US, 6, 13
1/2	1200	56HC	**116610.00**	√	1,156	A6C17XK34	56	115/230	Auto.	4.7	1.00	14.94	S, US, 6, 13
3/4	3600	56C	**116611.00**	√	961	A6C34XK5	41	115/230	Auto.	5.3	1.00	13.94	S, US, 6, 13
3/4	1800	56C	**116612.00**	√	1,141	A6C17XK30	51	115/230	Auto.	5.5	1.00	14.44	S, US, 6, 13
1	3600	56C	**116613.00**	√	1,032	A6C34XK4	50	115/230	Auto.	6.3	1.00	14.44	S, US, 6, 13
1	1800	56C	**116614.00**	√	1,257	A6C17XK29	54	115/230	Auto.	6.7	1.00	14.44	S, US, 6, 13
1 1/2	3600	56C	**116615.00**	√	1,463	A6C34XK3	45	115/230	Auto.	8.5	1.00	14.44	S, US, 6, 13
2	3600	56C	**116616.00**	√	1,793	A6C34XK2	58	115/230	Auto.	10.5	1.00	14.94	S, US, 6, 13

Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Division I, Division II, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	**111932.00**	√	837	A6T17EB22	33	208-230/460	Auto	1.3	76.0	1.00	10.97	S, US, 12
1/3	1800	56	**117856.00**	√	820	C6T17EB38	33	208-230/460	T-Stats	1.3	76.0	1.00	10.97	S, US, 12
1/3	1200	56H	**111940.00**	√	1,201	A6T11EB21	39	208-230/460	Auto	1.5	70.0	1.00	13.97	S, US, 12
1/2	3600	56	**111934.00**	C/A	955	A6T34EB22	39	208-230/460	Auto	1.6	82.5	1.00	12.47	S, US, 12
1/2	1800	56	**111929.00**	√	870	A6T17EB21	32	208-230/460	Auto	1.7	75.0	1.00	12.47	S, US, 12
1/2	1800	56	**117857.00**	√	853	C6T17EB39	32	208-230/460	T-Stats	1.7	75.0	1.00	12.47	S, US, 12
1/2	1200	56H	**111938.00**	√	1,271	A6T11XB22	44	208-230/460	Auto	2.0	71.0	1.00	13.47	S, US, 6
3/4	3600	56	**111937.00**	√	1,000	A6T34XB21	37	208-230/460	Auto	3.2	75.5	1.00	13.44	S, US, 13
3/4	1800	56	**111923.00**	√	1,009	A6T17XB21	38	208-230/460	Auto	3.0	75.0	1.00	13.94	S, US, 13
3/4	1800	56	**117858.00**	√	992	C6T17XB35	38	208-230/460	T-Stats	3.0	75.0	1.00	13.94	S, US, 13
3/4	1200	56	**119736.00**	√	1,330	C6T11XB49	42	208-230/460	T-Stat	3.6	74.0	1.00	13.44	S, US
1	3600	56	**119425.00**	√	1,181	A6T34XB23	38	208-230/460	Auto	3.0	80.0	1.00	13.94	S, US, 13
1	1800	56H	**119421.00**	√	1,314	A6T17XB32	49	208-230/460	Auto	3.3	85.5	1.00	15.58	S, US, 6, 13
1	1800	56H	**119426.00**	√	1,314	C6T17XB33	50	208-230/460	T-Stats	3.3	85.5	1.00	15.58	S, US, 6, 13
1	1200	56	**119737.00**	√	1,396	C6T11XB50	52	208-230/460	T-Stat	3.8	82.5	1.00	15.94	S, US
1 1/2	3600	143T	**121914.00**	√	1,172	A143T34XB25	49	208-230/460	Auto	4.0	84.0	1.00	14.41	S, US, 13
1 1/2	1800	56H	**119433.00**	√	1,323	C6T17XB34	63	208-230/460	T-Stats	4.6	86.5	1.15	15.58	S, US, 13
1 1/2	1800	145T	**121915.00**	√	1,304	A145T17XB28	59	208-230/460	Auto	4.8	86.5	1.00	14.41	S, US, 13
1 1/2	1800	145T	**122024.00**	√	1,286	C145T17XB31	59	208-230/460	T-Stats	4.8	86.5	1.00	14.41	S, US, 13
1 1/2	1200	182T	**825404.00**	√	1,487	182TTGN6576	147	208-230/460	T-Stat	4.4	87.5	1.00	15.87	C, US
2	3600	145T	**121916.00**	√	1,208	A145T34XB25	55	208-230/460	Auto	4.8	85.5	1.00	15.41	S, US, 13
2	1800	145T	**121917.00**	√	1,448	C145T17XB27	60	208-230/460	Auto	5.8	86.5	1.00	15.41	S, US, 13
2	1800	145T	**122025.00**	√	1,429	C145T17XB32	60	208-230/460	T-Stats	5.8	86.5	1.00	15.41	S, US, 13
2	1200	184T	**825405.00**	√	1,683	184TTGN6576	154	208-230/460	T-Stat	6.0	88.5	1.00	17.87	C, US
3	3600	145T	**121918.00**	√	1,428	U145T34XB26	56	208-230/460	T-Stats	4.8	86.5	1.00	15.91	S, US, 13
3	1800	182T	**825085.00**	√	1,746	182TTGN16026	107	208-230/460	T-Stat	7.8	89.5	1.15	17.62	C, US
3	1200	213T	**825406.00**	√	2,156	213TTGN6576	244	208-230/460	T-Stat	8.8	89.5	1.00	19.63	C, US
5	3600	184T	**825086.00**	√	1,840	184TTGN16504	117	208-230/460	T-Stat	12.0	88.5	1.15	17.62	C, US
5	1800	184T	**825087.00**	√	1,809	184TTGN16032	128	208-230/460	T-Stat	12.8	89.5	1.15	17.62	C, US
5	1200	215T	**825407.00**	√	2,763	215TTGN6576	206	208-230/460	T-Stat	13.8	89.5	1.00	22.63	C, US
7 1/2	3600	213T	**825088.00**	√	2,823	213TTGN16527	183	208-230/460	T-Stat	18.0	89.5	1.15	21.41	C, US
7 1/2	1800	213T	**825089.00**	√	2,791	213TTGN16527	228	208-230/460	T-Stat	18.6	91.7	1.15	20.16	C, US
7.5	1200	254T	**825408.00**	√	3,308	254TTGN16584	345	208-230/460	T-Stat	19.8	91.0	1.00	23.52	C, US
10	3600	215T	**825090.00**	√	2,962	215TTGN16504	200	208-230/460	T-Stat	23.6	90.2	1.15	21.41	C, US
10	1800	215T	**825091.00**	√	2,949	215TTGN16526	273	208-230/460	T-Stat	25.0	91.7	1.15	21.41	C, US
10	1200	256T	**825409.00**	√	3,990	256TTGN16583	360	208-230/460	T-Stat	26.2	91.0	1.00	25.27	C, US
15	3600	254T	**825092.00**	√	3,994	254TTGN16506	333	208-230/460	T-Stat	34.6	91.0	1.15	24.12	C, US
15	1800	254T	**825093.00**	√	3,978	254TTGN16539	383	208-230/460	T-Stat	36.0	92.4	1.15	24.12	C, US
15	1200	284T	**825410.00**	√	5,542	284TTGN16582	536	208-230/460	T-Stat	41.0	91.7	1.00	26.34	C, US
20	3600	256T	**825094.00**	√	4,185	256TTGS16514	383	208-230/460	T-Stat	46.8	91.0	1.15	25.77	C, US
20	1800	256T	**825095.00**	√	4,153	256TTGN16539	285	208-230/460	T-Stat	48.2	93.0	1.15	25.77	C, US
20	1200	286T	**825411.00**	√	6,462	286TTGN16581	593	208-230/460	T-Stat	53.6	91.7	1.00	27.69	C, US

Shaded model numbers are cast iron frame

Continued on next page

Green items are Premium Efficient

Explosion proof motors having T-Stats are inverter rated
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Explosion-Proof Motors

Three Phase - Rigid Base

Division I, Division II, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
25	3600	284TS	**825096.00**	√	5,400	284TSGN16505	413	208-230/460	T-Stat	56.2	91.7	1.15	25.44	C, US
25	1800	284T	**825097.00**	√	4,851	284TTGN16538	374	208-230/460	T-Stat	62.0	93.6	1.15	26.80	C, US
25	1200	324T	**825412.00**	√	9,511	324TTGS16584	681	208-230/460	T-Stat	65.0	93.0	1.0	28.87	C, US
30	3600	286TS	**825098.00**	√	5,510	286TSTN16504	464	208-230/460	T-Stat	67.6	91.7	1.15	26.94	C, US
30	1800	286T	**825099.00**	√	5,465	286TTGN16033	464	208-230/460	T-Stat	73.0	93.6	1.15	28.30	C, US
30	1200	326T	**825413.00**	√	10,340	326TTGS16581	900	208-230/460	T-Stat	77.0	93.0	1.0	30.37	C, US
40	3600	324TS	**825100.00**	√	7,620	324TSTGS16002	515	208-230/460	T-Stat	94.0	92.4	1.15	27.87	C, US
40	1800	324T	**825101.00**	√	7,341	324TTGS16037	535	208-230/460	T-Stat	95.0	94.1	1.15	29.37	C, US
40	1200	364T	**825414.00**	√	12,434	364TTGS16581	1151	208-230/460	T-Stat	100	93.6	1.0	31.50	C, US
50	3600	326TS	**825102.00**	√	9,586	326TSTGS16503	585	208-230/460	T-Stat	116	93.0	1.15	29.37	C, US
50	1800	326T	**825103.00**	√	9,524	326TTGS16540	585	208-230/460	T-Stat	120	94.5	1.00	30.57	C, US
50	1200	365T	**825415.00**	√	13,453	365TTGS16587	1099	208-230/460	T-Stat	123	94.5	1.0	32.50	C, US
60	3600	364TS	**825104.00**	C/A	13,696	364TSTGS16504	890	208-230/460	T-Stat	134	93.6	1.15	29.88	C, US
60	1800	364T	**825105.00**	√	13,114	364TTGS16035	992	208-230/460	T-Stat	138	95.0	1.15	32.00	C, US
60	1200	404T	**825416.00**	√	16,799	404TTGS16581	1295	208-230/460	T-Stat	144	94.5	1.0	35.62	C, US
75	3600	365TS	**825106.00**	√	15,827	365TSTGS16507	1025	208-230/460	T-Stat	168	93.6	1.15	30.88	C, US
75	1800	365T	**825107.00**	√	15,624	365TTGS16541	1053	208-230/460	T-Stat	172	95.4	1.15	33.00	C, US
75	1200	405T	**825417.00**	√	19,562	405TTGS16585	1388	208-230/460	T-Stat	180	94.5	1.0	37.12	C, US
100	3600	405TS	**825108.00**	C/A	21,410	405TSTGS16002	1168	208-230/460	T-Stat	216	94.1	1.15	34.62	C, US
100	1800	405T	**825109.00**	C/A	19,037	405TTGS16034	1322	208-230/460	T-Stat	226	95.4	1.15	37.62	C, US
100	1200	444T	**825418.00**	√	27,952	444TTGN16585	1813	208-230/460	T-Stat	248	95.0	1.0	41.35	C, US
125	3600	444TS	**825110.00**	C/A	29,555	444TSGN16503	1768	208-230/460	T-Stat	136	95.0	1.15	38.00	C, US
125	1800	444T	**825111.00**	C/A	24,834	444TTGN16032	1822	460	T-Stat	141*	95.4	1.15	41.75	C, US
125	1200	445T	**825419.00**	√	32,135	445TTGN16596	2200	460	T-Stat	155*	95.0	1.0	43.25	C, US
150	3600	445TS	**825112.00**	C/A	34,592	445TSTGN16002	2072	460	T-Stat	165*	95.0	1.15	38.00	C, US
150	1800	445T	**825113.00**	C/A	28,943	445TTGN16035	2072	460	T-Stat	172*	95.8	1.15	43.69	C, US
150	1200	445T	**825420.00**	√	34,541	445TTGN16595	2384	460	T-Stat	181*	95.8	1.0	43.35	C, US
200	3600	445TS	**825114.00**	C/A	42,213	445TSTGN16003	2332	460	T-Stat	222*	95.4	1.15	38.00	C, US
200	1800	445T	**825115.00**	C/A	34,208	445TTGN16036	2275	460	T-Stat	226*	96.2	1.15	43.69	C, US
200	1200	449T	**825421.00**	√	49,114	449TTGS16598	2878	460	T-Stat	240*	95.8	1.0	51.85	C, US
250	3600	449TS	**G825071.00**	D	42,353	449TSTGS14004	2480	460	T-Stat	274*	95.4	1.00	48.14	C, US
250	1800	449T	**G825072.00**	D	34,998	449TTGS14041	2630	460	T-Stat	285*	95.0	1.00	51.85	C, US
250	1800	447/449T	**825339.00**	C/A	40,563	449TTGS16045	——	460	T-Stat	285*	96.5	1.00	51.85	C, US
300	1800	449T	**G850818.00**	D	37,330	449TTGS14046	3032	460	T-Stat	338*	95.4	1.00	51.85	C, US
300	1800	449T	**825431.00**	C/A	43,265	——————	——	460	T-Stat	——	96.2	——	——	C, US
350	1800	449T	**G850819.00**	D	41,136	449TTGS14047	3280	460	T-Stat	400*	95.4	1.00	51.85	C, US
350	1800	449T	**825432.00**	C/A	47,553	——————	——	460	T-Stat	——	96.2	1.00	——	C, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Specifications are subject to change without notice

Green items are Premium Efficient

Explosion proof motors having T-Stats are inverter rated
D - Item to be discontinued once inventory is depleted
C/A - Check Availability
* F.L. Amps @ 460 Volts

Division I, Division II, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	**111944.00**	√	999	A6T34EC23	36	208-230/460	Auto	1.2	77.0	1.00	11.97	S, US, 12
1/3	1800	56C	**111931.00**	√	1,072	A6T17EC23	29	208-230/460	Auto	1.2	76.0	1.00	11.97	S, US, 12
1/3	1800	56C	**117860.00**	√	1,056	C6T17EC30	29	208-230/460	T-Stat	1.2	76.0	1.00	11.97	S, US, 12
1/2	3600	56C	**111933.00**	√	1,040	A6T34EC22	33	208-230/460	Auto	1.6	82.5	1.00	12.47	S, US, 12
1/2	3600	56J	**116187.00**	√	1,016	A6T34EC28	33	208-230/460	Auto	1.6	82.5	1.00	12.98	S, US, 12
1/2	1800	56C	**111930.00**	√	1,136	A6T17EC22	34	208-230/460	Auto	1.7	75.0	1.00	12.47	S, US, 12
1/2	1800	56C	**117852.00**	√	1,120	C6T17XC29	34	208-230/460	T-Stat	1.7	75.0	1.00	12.47	S, US, 12
3/4	3600	56C	**111936.00**	√	1,072	A6T34XC21	27	208-230/460	Auto	2.4	75.5	1.00	13.44	S, US, 13
3/4	1800	56C	**111935.00**	√	1,154	A6T17XC23	36	208-230/460	Auto	3.0	75.0	1.00	13.94	S, US, 13
3/4	1800	56C	**117853.00**	√	1,138	C6T17XC30	36	208-230/460	T-Stat	3.0	75.0	1.00	13.94	S, US, 13
1	3600	56C	**111943.00**	D	1,123	A6T34XC20	30	208-230/460	Auto	3.2	72.5	1.00	13.44	S, US, 13
1	3600	56C	**119422.00**	√	1,231	A6T17XC47	35	208-230/460	Auto	3.0	80.0	1.00	14.45	S, US, 13
1	3600	56J	**116184.00**	D	1,093	A6T34XC31	33	208-230/460	Auto	3.2	72.5	1.00	13.95	S, US, 13
1	3600	56J	**119424.00**	√	1,240	A6T34XC49	36	208-230/460	Auto	3.2	80.0	1.00	14.45	S, US, 13
1	1800	56C	**111926.00**	D	1,210	A6T17XC22	46	208-230/460	Auto	3.6	78.0	1.00	13.94	S, US, 13
1	1800	56C	**119420.00**	√	1,353	A6T17XC52	49	208-230/460	Auto	3.3	85.5	1.00	15.94	S, US, 13
1	1800	56C	**117854.00**	D	1,195	C6T17XC31	46	208-230/460	T-Stat	3.6	78.0	1.00	13.94	S, US, 13
1	1800	56C	**119423.00**	√	1,336	C6T17XC51	49	208-230/460	T-Stat	3.3	85.5	1.00	15.94	S, US, 13
1 1/2	3600	56C	**111939.00**	D	1,277	A6T34XC25	48	208-230/460	Auto	4.2	81.5	1.00	13.94	S, US, 13
1 1/2	3600	56C	**119428.00**	√	1,277	A6T34XC48	49	208-230/460	Auto	4.0	84.0	1.00	15.94	S, US, 13
1 1/2	3600	56J	**116182.00**	D	1,121	A6T34XC30	48	208-230/460	Auto	4.2	81.5	1.00	14.46	S, US, 13
1 1/2	3600	56J	**119429.00**	√	1,244	A6T34XC50	52	208-230/460	Auto	4.0	84.0	1.00	15.94	S, US, 13
1 1/2	1800	56C	**111941.00**	D	1,303	A6T17XC24	46	208-230/460	Auto	4.4	80.0	1.00	15.94	S, US, 13
1 1/2	1800	56C	**119427.00**	√	1,369	A6T17XC49	51	208-230/460	Auto	4.6	86.5	1.00	15.94	S, US, 13
1 1/2	1800	56C	**117855.00**	D	1,283	C6T17XC32	46	208-230/460	T-Stat	4.4	80.0	1.00	15.94	S, US, 13
1 1/2	1800	56C	**119430.00**	√	1,353	C6T17XC50	51	208-230/460	T-Stat	4.8	86.5	1.00	15.94	S, US, 13
2	3600	56C	**113971.00**	D	1,233	A6T34XC26	50	208-230/460	Auto	5.6	82.5	1.15	13.94	S, US, 13
2	3600	56C	**119431.00**	√	1,270	A6T34XC51	55	208-230/460	Auto	6.0	85.5	1.15	16.44	S, US, 13
2	3600	56J	**116180.00**	D	1,171	A6T34XC29	50	208-230/460	Auto	5.6	82.5	1.00	14.45	S, US, 13
2	3600	56J	**119434.00**	√	1,280	A6T34XC52	50	208-230/460	Auto	5.6	82.5	1.00	14.45	S, US, 13
2	1800	145TC	**G121178.00**	D	1,371	A145T17XC4	55	208-230/460	Auto	5.6	84.0	1.00	15.03	S, US, 13
2	1800	145TC	**122174.00**	√	1,482	A145T17XC9	60	208-230/460	Auto	6.0	86.5	1.00	16.50	S, US, 13
2	1800	145TC	**122023.00**	D	1,353	C145T17XC6	55	208-230/460	T-Stat	5.6	84.0	1.00	15.03	S, US, 13
2	1800	145TC	**122175.00**	√	1,467	C145T17XC10	60	208-230/460	T-Stat	6.0	86.5	1.00	16.50	S, US, 13

Continued on next page

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC
Explosion proof motors having T-Stats are inverter rated

♥ Note listing on inside back flap
Specifications are subject to change without notice

Explosion-Proof Motors

Three Phase - C Face Less Base

Division I, Division II, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	56C	**114419.00**	D	1,590	A6T34XC28	54	208-230/460	Auto	7.6	84.0	1.00	15.44	S, US, 13
3	3600	56C	**119435.00**	√	1,590	A6T34XC53	59	208-230/460	Auto	7.6	86.5	1.00	15.94	S, US, 13
3	1800	182TC	**G825116.00**	D	1,785	182TTGS14057	96	208-230/460	T-Stat	8.5	87.5	1.00	17.87	C, US, 13
3	1800	182TC	**825116.00**	√	1,820	182TTGN16026	107	208-230/460	T-Stat	8.0	90.2	1.00	18.62	C, US, 13
5	3600	184TC	**G825190.00**	D	1,909	184TTGN4013	133	208-230/460	T-Stat	11.8	87.5	1.00	18.62	C, US, 13, †
5	3600	184TC	**825190.00**	C/A	1,952	184TTGN16003	——	208-230/460	T-Stat	11.8	88.5	1.00	18.62	C, US, 13
5	1800	184TC	**G825128.00**	D	1,930	184TTGN14030	116	208-230/460	T-Stat	13.8	87.5	1.00	17.87	C, US, 13
5	1800	184TC	**825128.00**	√	1,952	184TTGN16026	——	208-230/460	T-Stat	12.4	90.2	1.00	18.62	C, US, 13
7 1/2	3600	213TC	**G825188.00**	D	2,867	213TTGN14005	241	208-230/460	T-Stat	19.0	88.5	1.00	22.25	C, US, 13
7 1/2	3600	213TC	**825348.00**	C/A	2,930	213TTGN16510	——	208-230/460	T-Stat	19.0	90.2	1.15	23.45	C, US, 13
7 1/2	1800	213TC	**G825192.00**	D	2,837	213TTGN4050	194	208-230/460	T-Stat	20.0	89.5	1.00	23.45	C, US, 13
7 1/2	1800	213TC	**825192.00**	C/A	2,905	213TTGN16026	——	208-230/460	T-Stat	19.2	91.7	1.00	23.45	C, US, 13
10	3600	215TC	**G825193.00**	D	3,010	215TTGN4031	271	208-230/460	T-Stat	24.0	90.2	1.00	22.25	C, US, 13
10	3600	215TC	**825193.00**	C/A	3,080	215TTGN16005	——	208-230/460	T-Stat	24.0	90.2	1.00	23.45	C, US, 13
10	1800	215TC	**G825194.00**	D	2,988	215TTGN4051	216	208-230/460	T-Stat	25.0	86.5	1.00	23.45	C, US, 13
10	1800	215TC	**825194.00**	C/A	3,056	215TTGN16026	——	208-230/460	T-Stat	25.0	91.7	1.00	23.45	C, US, 13
15	3600	254TC	**G825195.00**	D	3,808	254TTGP14014	301	208-230/460	T-Stat	35.0	90.2	1.00	24.19	C, US, 13
15	1800	254TC	**G825196.00**	D	4,462	T254T17XC1	370	208-230/460	T-Stat	39.0	91.0	1.00	25.77	C, US, 13
15	1800	254TC	**825196.00**	C/A	4,572	254TTGN16033	——	208-230/460	T-Stat	92.4	92.4	1.00	25.77	C, US, 13
20	3600	256TC	**G825197.00**	D	5,115	256TTGN14013	340	208-230/460	T-Stat	47.0	90.2	1.00	25.77	C, US, 13
20	1800	256TC	**G825198.00**	D	5,088	256TTGN14046	315	208-230/460	T-Stat	50.0	91.0	1.00	25.94	C, US, 13
20	1800	256TC	**825198.00**	C/A	5,218	256TTGN16033	——	208-230/460	T-Stat	48.0	93.0	1.00	25.77	C, US, 13

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Specifications are subject to change without notice

Green items are Premium Efficient

Note † - Explosion-proof motors are Class I, Group D – Class II, Groups F & G
D - Item to be discontinued once inventory is depleted
C/A - Check Availability
Note 13 - TEFC
Explosion proof motors having T-Stats are inverter rated

LEESON®

Explosion-Proof Motors

Three Phase - C Face With Base

Division I, Division II, Class I, Groups C&D - Class II, Groups F&G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	**114625.00**	√	1,009	A6T34EK1	33	208-230/460	Auto.	1.2	77.0	1.00	11.97	S, US, 12
1/2	1800	56C	**114626.00**	√	1,090	A6T17EK7	38	208-230/460	Auto.	1.3	76.0	1.00	11.97	S, US, 12
1/2	1800	56C	**117859.00**	√	1,073	C6T17EK11	38	208-230/460	T-Stat	1.3	76.0	1.00	11.97	S, US, 12
1/2	3600	56C	**114627.00**	√	1,052	A6T34EK2	35	208-230/460	Auto.	1.6	82.5	1.00	12.47	S, US, 12
1/2	1800	56C	**114628.00**	√	1,140	A6T17EK8	35	208-230/460	Auto.	1.7	75.0	1.00	12.47	S, US, 12
1/2	1800	56C	**116190.00**	√	1,433	C6T17XK23	34	208-230/460	T-Stat	2.4	68.0	1.00	13.44	S, US, 13
3/4	3600	56C	**114629.00**	√	1,087	A6T34XK2	33	208-230/460	Auto.	2.4	75.5	1.00	13.44	S, US, 13
3/4	1800	56C	**114630.00**	√	1,163	A6T17XK11	42	208-230/460	Auto.	2.6	75.0	1.00	13.94	S, US, 13
3/4	1800	56C	**116191.00**	√	1,461	C6T17XK24	38	208-230/460	T-Stat	3.0	75.5	1.00	13.44	S, US, 13
1	3600	56C	**114631.00**	D	1,136	A6T34XK3	34	208-230/460	Auto.	3.2	72.5	1.00	13.44	S, US, 13
1	3600	56C	**119436.00**	√	1,282	A6T34XK25	38	208-230/460	Auto.	3.0	80.0	1.00	13.94	S, US, 13
1	1800	56C	**114632.00**	D	1,234	C6T17XK12	48	208-230/460	Auto.	3.2	77.0	1.00	14.50	S, US, 13
1	1800	56C	**119437.00**	√	1,369	A6T17XK23	52	208-230/460	Auto.	3.3	85.5	1.00	15.94	S, US, 13
1	1800	56C	**117850.00**	D	1,216	A6T17XK27	48	208-230/460	T-Stat	3.2	77.0	1.00	14.50	S, US, 13
1	1800	56C	**119438.00**	√	1,354	C6T17XK34	52	208-230/460	T-Stat	3.3	85.5	1.00	15.94	S, US, 13
1	1800	143TC	**121919.00**	√	1,345	C143T17XK3	44	208-230/460	T-Stat	3.0	85.5	1.00	14.50	S, US, 13
1 1/2	3600	56C	**114633.00**	D	1,289	A6T34XK4	42	208-230/460	Auto.	4.2	81.5	1.00	13.94	S, US, 13
1 1/2	3600	56C	**119439.00**	√	1,289	A6T34XK24	47	208-230/460	Auto.	4.0	84.0	1.00	14.41	S, US, 13
1 1/2	1800	56C	**114634.00**	D	1,320	A6T17XK13	45	208-230/460	Auto.	4.4	80.0	1.00	15.94	S, US, 13
1 1/2	1800	56C	**119440.00**	√	1,405	A6T17XK35	51	208-230/460	Auto.	4.8	86.5	1.00	15.94	S, US, 13
1 1/2	1800	56C	**117851.00**	D	1,300	C6T17XK28	45	208-230/460	T-Stat	4.4	80.0	1.00	15.94	S, US, 13
1 1/2	1800	56C	**119441.00**	√	1,397	C6T17XK36	51	208-230/460	T-Stat	4.8	86.5	1.00	18.94	S, US, 13
1 1/2	1800	145TC	**121920.00**	√	1,393	C145T17XK6	58	208-230/460	T-Stat	4.8	86.5	1.15	16.00	S, US, 13
2	3600	56C	**114635.00**	D	1,276	A6T34XK5	51	208-230/460	Auto.	5.6	78.8	1.00	13.94	S, US, 13
2	3600	56C	**119442.00**	√	1,290	A6T34XK26	58	208-230/460	Auto.	4.8	85.5	1.00	15.02	S, US, 13
2	1800	145TC	**121921.00**	√	1,552	C145T17XK7	62	208-230/460	Auto.	5.8	86.5	1.00	15.02	S, US, 13
2	1800	145TC	**121922.00**	√	1,535	C145T17XK8	66	208-230/460	T-Stat	5.8	86.5	1.00	16.50	S, US, 13
3	3600	56C	**114636.00**	D	1,598	A6T34XK6	62	208-230/460	Auto.	7.6	84.0	1.00	15.44	S, US, 13
3	3600	56C	**119443.00**	√	1,610	C6T34XK24	66	208-230/460	T-Stat	3.8	87.5	1.00	15.94	S, US, 13
3	3600	182TC	**825125.00**	√	1,840	182TTGN16508	95	208-230/460	T-Stat	7.6	87.5	1.15	17.62	C, US
3	1800	182TC	**825126.00**	√	1,840	182TTGN16529	96	208-230/460	T-Stat	7.8	90.2	1.15	17.60	C, US
5	3600	184TC	**825127.00**	√	1,964	184TTGN16503	130	208-230/460	T-Stat	12.0	88.5	1.15	17.62	C, US
5	1800	184TC	**825071.00**	√	1,964	184TTGN16537	130	208-230/460	T-Stat	12.8	90.2	1.15	17.60	C, US
7 1/2	3600	213TC	**825072.00**	√	2,949	213TTGN16507	143	208-230/460	T-Stat	18.0	90.2	1.15	20.68	C, US
7 1/2	1800	213TC	**825073.00**	√	2,920	213TTGN16526	143	208-230/460	T-Stat	18.6	91.7	1.15	20.68	C, US
10	3600	215TC	**825074.00**	√	3,097	215TTGN16505	160	208-230/460	T-Stat	23.0	91.7	1.15	20.68	C, US
10	1800	215TC	**825075.00**	√	3,074	215TTGN16526	160	208-230/460	T-Stat	25.0	91.7	1.15	20.68	C, US
15	3600	254TC	**825076.00**	√	3,918	254TTGN16507	245	208-230/460	T-Stat	34.6	91.7	1.15	24.02	C, US
15	1800	254TC	**825077.00**	√	4,591	254TTGN16540	246	208-230/460	T-Stat	36.0	92.4	1.15	24.02	C, US
20	3600	256TC	**825078.00**	√	5,263	256TTGN16513	271	208-230/460	T-Stat	46.0	91.0	1.15	25.77	C, US
20	1800	256TC	**825079.00**	√	5,235	256TTGN16543	273	208-230/460	T-Stat	49.0	93.0	1.15	25.77	C, US
25	3600	284TSC	**825080.00**	√	5,449	284TSTGN16506	373	208-230/460	T-Stat	56.8	91.7	1.15	24.44	C, US
25	1800	284TC	**825081.00**	√	5,390	284TTGN16540	375	208-230/460	T-Stat	59.0	93.6	1.15	26.80	C, US
30	1800	286TC	**825082.00**	√	6,124	286TTGN16538	395	208-230/460	T-Stat	70.0	93.6	1.15	28.30	C, US
40	1800	324TC	**825083.00**	√	7,958	324TTGS1603	563	208-230/460	T-Stat	92.0	94.1	1.15	29.37	C, US
50	1800	326TC	**825084.00**	√	9,794	326TTGS16031	585	208-230/460	T-Stat	117.0	94.5	1.15	30.87	C, US

Shaded model numbers are cast iron frame

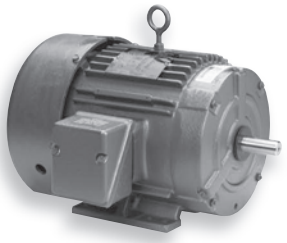
Green items are Premium Efficient

Explosion proof motors having T-Stats are inverter rated
D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Automotive Duty Motors

Lincoln Automotive Duty Motors



- Meets NEMA® U-frame dimensions and performance
- Meets or exceeds General Motors GM-7EH, and -7EQ, Ford Emi and Chrysler NPEM-100 specifications
- NEMA design B performance
- Inverter rated
- Oversized cast iron conduit box with threaded conduit holes
- Lower noise designs
- Shielded ball bearing construction
- UL recognized component listing and CSA approved
- Nameplated 1.15 service factor, 40° ambient and 1.00 service factor, 65° ambient

Applications:
Ideally suited for a wide variety of tough applications found in automotive manufacturing facilities and other industries utilizing U-Frame motors, which would include pumps, conveyors and fans.

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LEESON®

Features:

- NEMA® Design B Performance
- Steel frame/cast aluminum end brackets
- Premium Class F Insulation system
- Continuous Duty

Application Notes:

Ideally suited for use on pumps, fans, conveyors, gear boxes and other equipment located in automotive manufacturing facilities.

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	56	**LM25123**	√	582	SRN4H0.25T61	22	208-230/460	1.1	68.0	1.00	9.94	S, MX
1/4	1200	56	**LM25127**	C/A	830	SRN6H0.25T61	28	208-230/460	1.2	73.4	1.00	10.94	S, MX
1/3	3600	56	**LM25124**	√	523	SRN2H0.33T61	20	208-230/460	2.0	64.0	1.00	9.94	S, US
1/3	1800	56	**LM25115**	C/A	619	SRN4H0.33T61	22	208-230/460	1.2	68.0	1.00	9.94	S, MX
1/3	1200	56	**LM25116**	C/A	840	SRN6H0.33T61	29	208-230/460	1.5	75.5	1.00	10.94	S, US
1/2	3600	56	**LM25126**	C/A	562	SRN2H0.5T61	23	208-230/460	1.6	74.0	1.00	9.94	S, US
1/2	1800	56	**LM24258**	√	707	SRN4H0.5T61	26	208-230/460	2.0	77.0	1.00	10.44	S, MX
1/2	1200	56	**LM24268**	√	927	SRN6H0.5T61	42	208-230/460	1.9	78.5	1.00	11.94	S, MX
3/4	3600	56	**LM25133**	C/A	642	SRN2H0.75T61	34	208-230/460	2.4	80.0	1.00	10.94	S, US
3/4	1800	56	**LM24266**	C/A	783	SRN4H0.75T61	30	208-230/460	2.4	81.5	1.00	10.94	S, MX
1	3600	56	**LM25129**	C/A	723	SRN2B1T61	41	208-230/460	2.8	82.5	1.00	11.94	S, US
1	1800	56	**LM34178**	C/A	775	SRF4B1T61	37	208-230/460	3.3	85.5	1.00	14.62	S, MX

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
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Automotive Duty Motors

Lincoln Automotive Duty Motors

Totally Enclosed - 56 Frame - 1/4 HP - 1 HP

Three Phase - C Face - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	56C	**LM25131**	C/A	640	SRN4H0.25TC61	20	208-230/460	1.1	68.0	1.15	9.94	S, US
1/4	1200	56C	**LM25135**	√	892	SRN6H0.25TC61	24	208-230/460	1.2	73.4	1.00	10.94	S, US
1/3	3600	56C	**LM25153**	C/A	583	SRN2H0.33TC61	20	208-230/460	2.0	64.0	1.15	9.94	S, US
1/3	1800	56C	**LM25149**	C/A	680	SRN4H0.33TC61	22	208-230/460	1.2	68.0	1.00	9.94	S, US
1/2	3600	56C	**LM25151**	C/A	619	SRN2H0.5TC61	25	208-230/460	1.8	74.0	1.00	10.44	S, US
1/2	1800	56C	**LM25114**	√	768	SRN4H0.5TC61	24	208-230/460	2.0	77.0	1.00	10.44	S, MX
1/2	1200	56C	**LM25134**	C/A	986	SRN6H0.5TC61	42	208-230/460	1.9	78.5	1.00	11.94	S, MX
3/4	3600	56C	**LM25119**	C/A	704	SRN2H0.75TC61	34	208-230/460	2.4	80.0	1.00	10.94	S, US
3/4	1800	56C	**LM25121**	√	845	SRN4H0.75TC61	30	208-230/460	2.4	81.5	1.00	10.94	S, MX
1	3600	56C	**LM25125**	C/A	783	SRN2B1TC61	41	208-230/460	2.8	82.5	1.00	11.94	S, US
1	1800	56C	**LM25117**	D	677	SRF4H1TC61	29	208-230/460	3.6	77.0	1.00	12.31	S, MX
1	1800	56C	**LM34180**	√	849	SRF4B1TC61	35	208-230/460	3.3	85.5	1.00	14.15	S, MX ◘

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
◘- meets 40° C @ 1.0 service factor
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	56C	**LM25136**	√	640	SRN4H0.25TCN61	19	208-230/460	1.1	68.0	1.00	9.94	S, MX
1/3	3600	56C	**LM25158**	C/A	583	SRN2H0.33TCN61	21	208-230/460	2.0	64.0	1.00	9.94	S, US
1/3	1800	56C	**LM25128**	C/A	680	SRN4H0.33TCN61	21	208-230/460	1.2	68.0	1.00	9.94	S, MX
1/2	3600	56C	**LM25154**	C/A	619	SRN2H0.5TCN61	23	208-230/460	1.6	74.0	1.15	9.94	S, US
1/2	1800	56C	**LM24259**	C/A	768	SRN4H0.5TCN61	26	208-230/460	2.0	77.0	1.00	10.44	S, MX
3/4	3600	56C	**LM25139**	C/A	702	SRN2H0.75TCN61	26	208-230/460	2.0	80.0	1.15	11.94	S, US
3/4	1800	56C	**LM24262**	C/A	845	SRN4H0.75TCN61	25	208-230/460	2.4	81.5	1.00	10.94	S, MX
1	3600	56C	**LM25112**	C/A	783	SRN2B1TCN61	33	208-230/460	2.8	82.5	1.00	11.94	S, US
1	1800	56C	**LM24271**	D	677	SRF4H1TCN61	26	208-230/460	3.6	77.0	1.00	12.32	S, MX
1	1800	56C	**LM34181**	√	849	SRF4B1TCN61	33	208-230/460	3.3	85.5	1.00	14.15	S, MX

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Features:

- Meets NEMA® U-Frame dimensional and performance standards
- Meets or exceeds General Motors GM-7EH and -7EQ, Ford EM1, and Chrysler NPEM-100 specifications
- Full cast iron construction – all frame sizes
- Oversized, cast iron terminal box with threaded conduit holes
- NEMA Design B Performance
- Continuous Duty
- Inverter-Rated
- Premium Class F Insulation System

Application Notes:

Ideally suited for a wide variety of tough applications found in automotive manufacturing facilities and other industries utilizing U-Frame motors.
Lincoln U-Frame motors exceed NEMA MG-1, Section IV, Part 31 spike resistance requirements.

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	1200	182U	**LM21379**	C/A	1,247	CCN6P0.75U64	89	460	1.3	82.5	1.00	12.21	C, US
1	1800	182U	**LM21378**	√	1,173	CCN4B1U64	110	460	1.5	87.5	1.00	12.21	C, US
1	1200	184U	**LM21381**	√	1,434	CCN6B1U64	108	460	1.7	86.5	1.00	13.21	C, US
1 1/2	3600	182U	**LM21084**	C/A	1,078	CCN2B1.5U64	108	460	2.0	85.5	1.00	12.21	C, US
1 1/2	1800	184U	**LM21380**	C/A	1,256	CCN4B1.5U64	108	460	2.1	88.8	1.00	13.21	C, US
1 1/2	1200	184U	**LM20709**	√	1,577	CCN6B1.5U64	99	460	2.2	87.5	1.00	13.21	C, US
2	3600	184U	**LM21085**	C/A	1,187	CCF2B2U64	120	460	2.7	85.5	1.00	15.69	C, US
2	1800	184U	**LM20708**	√	1,322	CCF4B2U64	120	460	2.6	89.5	1.00	15.69	C, US
2	1200	213U	**LM34354**	C/A	1,889	CCF6B2U64	177	460	——	88.5	1.00	——	C, US
3	3600	184U	**LM20707**	√	1,463	CCF2B3U64	120	460	3.8	87.5	1.00	15.69	C, US
3	1800	213U	**LM34115**	√	1,656	CCF4B3U64	177	460	3.9	89.5	1.00	19.25	C, US
3	1200	215U	**LM20391**	C/A	2,166	CCF6B3U64	170	460	4.4	89.5	1.00	19.32	C, US
5	3600	213U	**LM34108**	√	1,800	CCF2B5U64	174	460	5.9	91.0	1.00	——	C, US
5	1800	215U	**LM20392**	C/A	2,015	CCF4B5U64	170	460	6.5	89.5	1.00	19.32	C, US
5	1200	254U	**LM21385**	C/A	3,173	CCF6B5U64	260	460	6.7	90.2	1.00	23.27	C, US
7 1/2	3600	215U	**LM34355**	C/A	2,186	CCF2P7.5U64	——	460	——	91.7	1.00	——	C, US
7 1/2	1800	254U	**LM21384**	√	2,648	CCF4B7.5U64	260	460	9.6	91.7	1.00	23.44	C, US
7 1/2	1200	256U	**LM20389**	C/A	3,853	CCF6B7.5U64	332	460	9.9	91.0	1.00	25.02	C, US
10	3600	254U	**LM21087**	C/A	2,337	CCF2B10U64	260	460	12.0	89.5	1.00	23.44	C, US
10	1800	256U	**LM20390**	√	3,217	CCF4B10U64	260	460	12.5	91.7	1.00	25.19	C, US
15	3600	256U	**LM20394**	√	2,977	CCF2B15U64	260	460	17.5	91.7	1.00	25.02	C, US
15	1800	284U	**LM21665**	C/A	4,417	CCF4B15U64	525	460	18.0	92.4	1.00	26.52	C, US
10	3600	254U	**LM21087**	√	2,337	CCF2B10U64	260	460	12.0	89.5	1.00	23.44	C, US
10	1800	256U	**LM20390**	√	3,217	CCF4B10U64	260	460	12.5	91.7	1.00	25.19	C, US
15	3600	256U	**LM20394**	√	2,977	CCF2B15U64	260	460	17.5	91.7	1.00	25.02	C, US
15	1800	284U	**LM21665**	√	4,417	CCF4B15U64	525	460	18.0	92.4	1.00	26.52	C, US

Shaded model numbers are cast iron frame

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Automotive Duty Motors

Lincoln Automotive Duty Motors

U-Frame - Three Phase - 460 Volts

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
20	3600	286U	**LM21088**	√	4,047	CCF2B20U64	525	460	23.4	90.2	1.00	28.02	C, US
20	1800	286U	**LM20029**	√	5,429	CCF4B20U64	525	460	24.1	93.0	1.00	28.02	C, US
25	3600	324U	**LM21089**	C/A	5,192	CCF2B25U64	748	460	28.1	93.6	1.00	29.34	C, US
25	3600	324US	**LM21807**	C/A	5,192	CCF2B25US64	748	460	28.1	93.6	1.00	26.97	C, US
25	1800	324U	**LM34109**	√	7,439	CCF4B25U64	——	460	31.0	93.6	1.00	29.34	C, US
30	3600	326US	**LM34333**	C/A	6,950	CCF2B30US64	——	460	——	91.7	1.00	——	C, US
30	1800	326U	**LM20030**	C/A	7,936	CCF4B30U64	748	460	36.0	94.1	1.00	30.74	C, US
40	3600	364US	**LM21091**	C/A	8,177	CCF2B40US64	908	460	45.0	93.6	1.00	29.38	C, US
40	1800	364U	**LM21388**	C/A	10,463	CCF4B40U64	977	460	47.0	94.1	1.00	32.00	C, US
50	3600	365US	**LM21092**	C/A	10,317	CCF2B50US64	980	460	56.0	94.1	1.00	30.38	C, US
50	3600	365U	**LM21799**	√	10,317	CCF2B50U64	980	460	56.0	94.1	1.00	33.00	C, US
50	1800	365U	**LM19530**	C/A	12,277	CCF4B50U64	1063	460	57.0	94.5	1.00	33.00	C, US
60	3600	405US	**LM19532**	C/A	12,275	CCF2B60US64	1130	460	66.0	94.1	1.00	34.12	C, US
60	1800	405U	**LM21391**	C/A	15,241	CCF4B60U64	1110	460	68.0	95.0	1.00	37.00	C, US
75	3600	444US	**LM21093**	C/A	16,130	CCF2B75US64	1685	460	84.0	94.1	1.00	38.94	C, US
75	1800	444U	**LM34110**	C/A	21,053	CCF4B75U64Y	——	460	85.0	95.4	1.00	43.47	C, US
75	1200	445U	**LM19535**	C/A	21,976	CCF6B75U64	1787	460	90.0	95.0	1.00	43.70	C, US
100	3600	445US	**LM21094**	C/A	21,317	CCF2B100US64	1685	460	113.0	95.4	1.00	38.94	C, US
100	1800	445U	**LM19534**	C/A	23,370	CCF4B100U64	1787	460	113.0	95.4	1.00	43.47	C, US
75	1200	445U	**LM19535**	C/A	21,976	CCF6B75U64	1787	460	90.0	95.0	1.00	43.70	C, US
100	3600	445US	**LM21094**	C/A	21,317	CCF2B100US64	1685	460	113.0	95.4	1.00	38.94	C, US
100	1800	445U	**LM19534**	C/A	23,370	CCF4B100U64	1787	460	113.0	95.4	1.00	43.47	C, US

Shaded model numbers are cast iron frame

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C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

U-Frame - Three Phase - 460 Volts -C Face Less Base

Three Phase - TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	182UC	**LM23781**	C/A	1,256	CCN4B1UCN64	108	460	1.5	87.5	1.00	12.96	C, US
1 1/2	1800	184UC	**LM23783**	C/A	1,338	CCN4B1.5UCN64	120	460	2.1	88.5	1.00	13.96	C, US
2	1800	184UC	**LM23782**	C/A	1,406	CCF4B2UCN64	132	460	2.6	89.5	1.00	16.22	C, US
3	1800	213UC	**LM34356**	C/A	1,857	CCF4B3UCN64	——	460	——	89.5	1.00	——	C, US
5	1800	215UC	**LM24072**	√	2,305	CCF4B5UCN64	181	460	6.5	89.5	1.00	18.58	C, US
7 1/2	1800	254UC	**LM23784**	C/A	2,778	CCF4B7.5UCN64	385	460	9.6	91.7	1.00	23.94	C, US
7 1/2	1800	254UC	**LM23784**	C/A	2,778	CCF4B7.5UCN64	385	460	9.6	91.7	1.00	23.94	C, US

Shaded model numbers are cast iron frame

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	1200	182UC	**LM21828**	C/A	1,328	CCN6P0.75UC64	120	460	1.3	82.5	1.00	12.96	C, US
1	1800	182UC	**LM21827**	C/A	1,256	CCN4B1UC64	120	460	1.5	87.5	1.00	12.96	C, US
1 1/2	3600	182UC	**LM21826**	C/A	1,162	CCN2B1.5UC64	120	460	2.0	85.5	1.00	12.96	C, US
1 1/2	1800	184UC	**LM21833**	C/A	1,338	CCN4B1.5UC64	120	460	2.1	88.5	1.00	13.96	C, US
2	3600	184UC	**LM21831**	C/A	1,276	CCF2B2UC64	132	460	2.7	85.5	1.00	14.10	C, US
2	1800	184UC	**LM21832**	C/A	1,406	CCF4B2UC64	132	460	2.6	89.5	1.00	16.22	C, US
3	3600	184UC	**LM21829**	√	1,524	CCF2B3UC64	132	460	3.8	87.5	1.00	16.22	C, US
3	1800	213UC	**LM34112**	C/A	1,858	CCF4B3UC64	——	460	3.9	89.5	1.00	20.00	C, US
3	1200	215UC	**LM21841**	C/A	2,264	CCF6B3UC64	181	460	4.4	89.5	1.00	20.08	C, US
5	3600	213UC	**LM21836**	D	1,702	CCF2P5UC64	181	460	6.4	87.5	1.00	18.58	C, US
5	3600	213UC	**LM34113**	C/A	1,957	CCF2B5UC64	——	460	5.9	91.0	1.00	20.00	C, US
5	1800	215UC	**LM21840**	C/A	2,114	CCF4B5UC64	181	460	6.5	89.5	1.00	20.08	C, US
5	1200	254UC	**LM21844**	C/A	3,139	CCF6B5UC64	272	460	6.7	90.2	1.00	23.77	C, US
7 1/2	3600	215UC	**LM34114**	C/A	2,212	CCF2B7.5UC64	——	460	8.9	90.2	1.00	20.00	C, US
7 1/2	1800	254UC	**LM21843**	C/A	2,778	CCF4B7.5UC64	272	460	9.6	91.7	1.00	23.89	C, US
10	3600	254UC	**LM34334**	C/A	2,760	CCF2B10UC64	——	460	——	90.2	1.00	——	C, US
10	1800	256UC	**LM21846**	√	3,345	CCF4B10UC64	272	460	12.5	91.7	1.00	25.64	C, US
15	3600	256UC	**LM21845**	C/A	3,103	CCF2B15UC64	272	460	17.5	91.7	1.00	25.22	C, US
15	1800	284UC	**LM21848**	√	4,643	CCF4B15UC64	531	460	18.0	92.4	1.00	26.52	C, US
15	1200	324UC	**LM21854**	C/A	6,728	CCF6B15UC64	757	460	19.2	92.4	1.00	32.50	C, US
20	3600	286UC	**LM21850**	D	4,269	CCF2P20UC64	531	460	23.4	90.2	1.00	28.02	C, US
20	3600	286UC	**LM34335**	C/A	4,909	CCF2B20UC64	——	460	——	91.0	1.00	——	C, US
20	1800	286UC	**LM21851**	C/A	5,649	CCF4B20UC64	531	460	24.1	93.0	1.00	28.02	C, US
20	1200	326UC	**LM21857**	C/A	8,138	CCF6B20UC64	757	460	25.5	92.4	1.00	34.00	C, US
25	3600	324USC	**LM21893**	C/A	5,567	CCF2B25USC64	755	460	28.1	93.6	1.00	27.22	C, US
25	1800	324UC	**LM21853**	C/A	7,163	CCF4B25UC64	755	460	——	94.1	1.00	——	C, US
30	3600	326USC	**LM34336**	C/A	7,643	CCF2B30USC64	——	460	——	91.7	1.00	——	C, US
30	1800	326UC	**LM21856**	C/A	8,305	CCF4B30UC64	755	460	——	94.1	1.00	——	C, US
40	3600	364USC	**LM21883**	C/A	8,773	CCF2B40USC64	917	460	45.0	93.6	1.00	29.38	C, US
40	1800	364UC	**LM21859**	C/A	11,061	CCF4B40UC64	986	460	46.5	94.1	1.00	32.00	C, US
50	3600	365USC	**LM21886**	C/A	10,915	CCF2B50USC64	989	460	——	94.1	1.00	——	C, US
50	1800	365UC	**LM21862**	C/A	12,874	CCF4B50UC64	1072	460	57.0	94.5	1.00	33.00	C, US
60	3600	405USC	**LM21890**	C/A	12,981	CCF2B60USC64	1143	460	65.5	94.1	1.00	34.12	C, US
60	1800	405UC	**LM21866**	C/A	15,952	CCF4B60UC64	1123	460	67.5	95.0	1.00	37.00	C, US
75	3600	444USC	**LM21877**	C/A	17,008	CCF2B75USC64	1708	460	82.0	94.1	1.00	37.00	C, US
75	1800	444UC	**LM34337**	C/A	20,462	CCF4B75UC64	——	460	——	95.4	1.00	——	C, US
100	3600	445USC	**LM21896**	C/A	22,192	CCF2B100USC64	1708	460	——	95.4	1.00	——	C, US
100	1800	445UC	**LM21872**	C/A	15,158	CCF4B100UC64	1810	460	9.2	95.4	1.00	24.11	C, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

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D - Item to be discontinued once inventory is depleted

C/A - Check Availability

Pump Motors

- Jet pump, JM & JP pump, carbonator pump and fire pump motors
- Washdown duty pump motors available
- Explosion proof jet pump motors available
- Three phase and single phase models
- Premium efficient JM & JP pump motors available
- 1.15 service factor or better
- Jet pump motors have quick connect terminal boards
- Drip-proof and totally enclosed designs
- Drip-cover kits available on drip-proof designs
- Threaded jet pump motors have stainless steel shafts
- Jet pump single phase motors have automatic overload protection
- 1-year warranty on standard motors, 2-year warranty on "G" models and 3-year warranty on premium efficiency models
- UL recognized and CSA certified

Applications:
Designed for various applications that you may find in the pumping industry where direct coupled motor to pump is required.

General Specifications:

- NEMA® 56 C face mounting flange
- Keyed shafts made of carbon steel
- Threaded shafts made of 416 grade stainless steel
- Dual rotation - key shaft motors only
- Quiet flow-through ventilation system
- Double sealed bearings on shaft end
- Terminal board with quick connects
- Locked shaft-end bearings
- Automatic overload protection
- UL recognized and CSA certified

Keyed Shaft - Drip-Proof - Single Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	S56C	**100204.00**	√	356	A4C34DC4	19	115/208-230	Auto.	3.4	1.60	9.49	S, MX, 30
3/4	3600	S56C	**100205.00**	√	469	A4C34DC5	21	115/208-230	Auto.	5.1	1.50	9.99	S, MX, 30
1	3600	S56C	**100722.00**	√	506	A4C34DC21	24	115/208-230	Auto.	5.7	1.40	10.49	S, MX, 30
1 1/2	3600	56C	**110288.00**	√	665	U6C34DC18	31	115/208-230	Auto.	9.0	1.30	11.34	S, US, 30
2	3600	56C	**110289.00**	√	857	U6C34DC19	37	115/208-230	Auto.	10.5	1.25	12.34	S, US, 30
3	3600	56C	**117715.00**	√	876	U6K34DC19	49	230	Auto.	12.8	1.15	13.55	S, US, 30, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Threaded Shaft - Drip-Proof - Single Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	S56J	**100207.00**	√	343	A4C34DC7	19	115/208-230	Auto.	3.4	1.60	10.00	S, MX, 30
3/4	3600	S56J	**100208.00**	√	446	A4C34DC8	21	115/208-230	Auto.	5.1	1.50	10.50	S, MX, 30
1	3600	S56J	**100723.00**	√	468	A4C34DC22	23	115/208-230	Auto.	5.7	1.40	11.00	S, MX, 30
1 1/2	3600	56J	**110292.00**	D	650	U6C34DC21	31	115/208-230	Auto.	9.0	1.30	11.34	S, US, 30
1 1/2	3600	56J	**119090.00**	√	546	A6C34DC75	25	115/208-230	Auto.	9.2	1.30	11.89	S, MX, 30
2	3600	56J	**119091.00**	√	738	A6C34DC76	38	115/208-230	Auto.	10.6	1.20	13.73	S, MX, 30
3	3600	56J	**117716.00**	D	827	U6K34DC20	51	230	Auto.	12.8	1.15	14.15	S, US, 30, 53
3	3600	56J	**119092.00**	√	754	U6K34DC21	48	115/208-230	Auto.	14.7	1.15	13.17	S, MX, 30, 53

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Pump Motors

Jet Pump Motors - Single Phase

Threaded Shaft - Totally Enclosed - Single Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	**113955.00**	√	402	A6C34FC44	22	115/208-230	Auto.	3.8	1.60	11.31	S, US, 30
3/4	3600	56J	**113956.00**	√	478	A6C34FC45	26	115/208-230	Auto.	5.0	1.50	11.81	S, US, 30
1	3600	56J	**113639.00**	√	583	A6C34FC41	30	115/208-230	Auto.	6.0	1.25	12.31	S, US, 30
1 1/2	3600	56J	**113640.00**	√	694	A6C34FC42	34	115/208-230	Auto.	8.5	1.00	12.81	S, US, 30
2	3600	56J	**113641.00**	√	820	U6C34FC34	41	115/208-230	Auto.	10.0	1.00	13.81	S, US, 30

♥ Note listing on inside back flap
Specifications are subject to change without notice

Threaded Shaft - Totally Enclosed - Single Phase - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	**113637.00**	√	463	A6C34FK49	23	115/208-230	Auto.	3.8	1.60	11.31	S, US, 30
3/4	3600	56J	**113638.00**	√	494	A6C34FK50	26	115/208-230	Auto.	5.0	1.50	11.81	S, US, 30
1	3600	56J	**113957.00**	√	598	A6C34FK53	28	115/208-230	Auto.	6.0	1.25	12.31	S, US, 30
1 1/2	3600	56J	**113958.00**	√	711	A6C34FK54	34	115/208-230	Auto.	8.5	1.00	12.81	S, US, 30
2	3600	56J	**113959.00**	√	838	U6C34FK55	43	115/208-230	Auto.	10.0	1.00	13.81	S, US, 30

♥ Note listing on inside back flap
Specifications are subject to change without notice

Threaded Shaft - Explosion Proof - Totally Enclosed - Single Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	**116188.00**	√	822	A6C34XC31	35	115/208-230	Auto.	3.8	1.00	13.96	S, US
3/4	3600	56J	**116186.00**	√	926	A6C34XC32	40	115/208-230	Auto.	5.0	1.00	14.46	S, US
1	3600	56J	**116185.00**	√	993	A6C34XC33	49	115/208-230	Auto.	6.0	1.00	14.96	S, US
1 1/2	3600	56J	**116183.00**	√	1,273	A6C34XC34	52	115/208-230	Auto.	8.5	1.00	15.46	S, US
2	3600	56J	**116181.00**	√	1,385	A6C34XC35	54	115/208-230	Auto.	10.5	1.00	16.46	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Drip-Cover Kits

Each kit includes one drip-cover, designed to protect motors from rain, snow and ice when mounted outdoors in a vertical position.

Drip Cover Kits For Jet Pump Motors

Frame	Catalog Number	App. Wgt. (lbs)	List Price	♥Notes
48-S56	**175003.00**	2	57	
48-S56	**175298.00**	2	57	P
56 / 143T-145T	**175004.00**	2	66	

Note P - For motors having a "P" suffix on date code

General Specifications:

- NEMA® 56 C face mounting flange
- Threaded shafts made of 303 grade stainless steel
- CCW rotation facing lead end
- Quiet flow-through ventilation system
- Double sealed bearings on shaft end
- Terminal board with quick connects
- Locked shaft end bearings
- Automatic overload protection on explosion proof jet pump motors
- UL recognized and CSA certified

Threaded Shaft - Drip-Proof - Three Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	S56J	**102197.00**	C/A	357	C4T34DC25	15	208-230/460	1.4	68.0	1.35	9.50	S, US
1/3	1800	S56J	**103723.00**	√	389	C4T17DC50	16	208-230/460	1.8	64.3	1.35	10.00	S, MX
1/2	3600	S56J	**102198.00**	√	376	C4T34DC26	17	208-230/460	1.8	69.0	1.25	9.75	S, US
1/2	1800	S56J	**103724.00**	√	422	C4T17DC51	18	208-230/460	2.0	68.0	1.25	10.00	S, MX
3/4	3600	S56J	**101637.00**	√	453	C4T34DC20	18	208-230/460	2.4	79.0	1.15	10.00	S, US
3/4	1800	S56J	**103725.00**	√	498	C4T17DC52	19	208-230/460	2.8	75.0	1.25	10.50	S, MX
1	3600	S56J	**101638.00**	√	502	C4T34DC21	25	208-230/460	3.0	78.0	1.15	11.25	S, US
1	1800	56J	**117872.00**	√	531	C6T17DC89	26	208-230/460	4.2	78.5	1.15	10.87	S, US
1 1/2	3600	56J	**113891.00**	√	600	C6T34DC64	28	208-230/460	4.2	81.5	1.15	11.34	S, US
1 1/2	1800	56J	**117873.00**	√	627	C6T17DC87	29	208-230/460	5.6	78.5	1.15	11.87	S, US
2	3600	56J	**113892.00**	√	713	C6T34DC65	33	208-230/460	5.6	82.5	1.15	11.84	S, US
2	1800	56J	**117874.00**	√	716	C6T17DC88	34	208-230/460	6.2	78.5	1.15	11.87	S, US
3	3600	56J	**113893.00**	√	843	C6T34DC66	36	208-230/460	7.6	84.0	1.15	12.34	S, US
5	3600	56J	**116698.00**	√	924	C6T34DC92	45	208-230/460	12.4	85.5	1.15	13.88	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Threaded Shaft - Drip-Proof - Three Phase - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	S56J	**102199.00**	√	393	C4T34DK8	17	208-230/460	1.8	69.0	1.25	9.75	S, US
1/2	1800	S56J	**103726.00**	√	435	C4T17DK12	18	208-230/460	2.4	68.0	1.25	10.50	S, MX
3/4	3600	S56J	**101776.00**	√	453	C4T34DK5	18	208-230/460	2.4	79.0	1.15	10.00	S, US
3/4	1800	S56J	**103727.00**	√	513	C4T17DK13	19	208-230/460	2.8	75.0	1.25	10.50	S, MX
1	3600	S56J	**101775.00**	√	505	C4T34DK6	26	208-230/460	3.0	78.0	1.15	11.25	S, US
1	1800	56J	**117875.00**	√	544	C6T17DK34	28	208-230/460	4.2	78.5	1.15	10.87	S, US
1 1/2	3600	56J	**114203.00**	√	615	C6T34DK5	33	208-230/460	4.2	81.5	1.15	11.34	S, US
1 1/2	1800	56J	**117876.00**	√	648	C6T17DK35	34	208-230/460	5.6	78.5	1.15	11.87	S, US
2	3600	56J	**114202.00**	√	734	C6T34DK6	35	208-230/460	5.6	82.5	1.15	11.84	S, US
3	3600	56HJ	**114201.00**	√	864	C6T34DK7	35	208-230/460	8.0	84.0	1.15	11.84	S, US
5	3600	56HJ	**116699.00**	√	949	C6T34DK18	47	208-230/460	12.4	85.5	1.15	13.88	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Pump Motors

Jet Pump Motors - Three Phase

Threaded Shaft - Totally Enclosed - Three Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	**114931.00**	√	425	C6T34FC49	23	208-230/460	2.0	67.0	1.15	10.81	S, US
3/4	3600	56J	**114208.00**	√	469	C6T34FC37	23	208-230/460	2.4	75.5	1.15	11.31	S, US
1	3600	56J	**114207.00**	√	558	C6T34FC38	24	208-230/460	3.2	77.0	1.15	11.31	S, US
1 1/2	3600	56J	**119453.00**	√	667	C6T34FC124	41	208-230/460	4.0	84.0	1.15	12.66	S, US
2	3600	56J	**119455.00**	√	841	C6T34FC125	44	208-230/460	4.8	85.5	1.15	13.66	S, US
3	3600	56J	**119456.00**	√	889	C6T34FC126	55	208-230/460	8.0	86.5	1.15	14.16	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Threaded Shaft - Totally Enclosed - Three Phase - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	**113028.00**	√	563	C6T34FK34	23	208-230/460	2.4	75.5	1.15	11.31	S, US
1	3600	56J	**113029.00**	√	575	C6T34FK35	24	208-230/460	3.2	77.0	1.15	11.31	S, US
1 1/2	3600	56J	**119452.00**	√	693	C6T34FK134	34	208-230/460	4.0	84.0	1.15	12.66	S, US
2	3600	56J	**119454.00**	√	859	C6T34FK135	44	208-230/460	4.8	85.5	1.15	13.66	S, US
3	3600	56HJ	**119457.00**	√	900	C6T34FK136	56	208-230/460	8.0	86.5	1.15	14.16	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Threaded Shaft - Explosion Proof - TEFC/TENV Three Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	**116187.00**	√	1016	A6T34EC28	33	208-230/460	1.6	82.5	1.00	12.87	S, US, 12, 47
1	3600	56J	**119424.00**	√	1,240	A6T34XC49	36	208-230/460	2.4	80.0	1.00	14.45	S, US, 13
1 1/2	3600	56J	**119429.00**	√	1,244	A6T34XC50	48	208-230/460	4.6	84.0	1.00	15.45	S, US, 13
2	3600	56J	**119434.00**	√	1,280	A6T34XC52	50	208-230/460	5.0	85.5	1.00	15.45	S, US, 13

Green items are Premium Efficient

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washdown duty three phase jet pump motors for industrial service. These motors include all of the features of White Duck Washguard motors by LEESON with the addition of a 56J threaded shaft for use on jet pumps. For demanding pump applications in wet, humid, or washdown environments.

Washguard - Jet Pump - Threaded Shaft Three Phase - TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	**116774.00**	√	735	C6T34WC14	23	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	**116775.00**	√	854	C6T34WC15	35	208-230/460	3.2	77.0	1.15	10.81	S, US
1 1/2	3600	56J	**119459.00**	√	983	C6T34WC24	44	208-230/460	4.0	84.0	1.15	12.87	S, US
2	3600	56J	**119460.00**	√	1,222	C6T34WC25	50	208-230/460	4.8	85.5	1.15	13.87	S, US
3	3600	56J	**119462.00**	√	1,252	C6T34WC26	55	208-230/460	8.0	86.5	1.15	14.37	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard - Jet Pump - Threaded Shaft Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	**116779.00**	√	754	C6T34WK12	24	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	**116780.00**	√	876	C6T34WK13	36	208-230/460	3.2	77.0	1.15	10.81	S, US
1 1/2	3600	56J	**119458.00**	√	1,003	C6T34WK30	45	208-230/460	4.0	84.0	1.15	12.87	S, US
2	3600	56J	**119461.00**	√	1,240	C6T34WK31	51	208-230/460	4.8	85.5	1.15	13.87	S, US
3	3600	56J	**119463.00**	√	1,269	C6T34WK32	56	208-230/460	8.0	86.5	1.15	14.37	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Pump Motors

ecoSaver™

Features:

- 303 stainless shaft
- Capacitor run low speed, PSC high speed
- Meets California Energy Commission Appliance Regulations 2008
- Integrated timer interface
- Timer mode or manual mode
- Over current protection
- Battery backup - program saver
- LCD display with backlight
- Class B insulation
- High efficiency - high and low speed
- Rotation - CCW pump end

Jet Pump - 2-speed - With Timer
Single Phase - Drip Proof - C Face Less Base

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	Service Factor Amps	Service Factor	"C" Dim. (Inches)	♥Notes
3/4 - .10	3600/1800	56J	**117913.00**	√	800	F56AA73F16T	26	115	Auto	12.2/2.2	1.50	12.30	S, MX
1 - .12	3600/1800	56J	**117914.00**	√	812	F56AA74F16T	30	230	Auto	6.1/1.5	1.40	13.05	S, MX
2 - .25	3600/1800	56J	**117915.00**	√	987	K56AB47F16T	42	230	Auto	11.0/1.6	1.20	13.55	S, MX
3 - .38	3600/1800	56J	**117916.00**	√	1,107	187855T	45	230	Auto	13.8/4.0	1.15	14.29	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Carbonator Pump Motors

Application information:

Used in liquid transfer pumps that you may see in vending machines ideal for compact pump to motor mount applications.

Features:

- Interchangeable with OEM units
- Automatic overload protection
- Ball bearing designs

Single Phase - Drip Proof - Rigid or Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	**103520.00**	√	210	A4S17DR62	14	208-240	2.3-2.4	1.00	7.69	S, MX, 63
1/4	1800	48Y	**103530.00**	√	221	A4S17DR63	16	115/208-230	4.3-2.2	1.00	8.75	S, MX, 63
1/3	1800	48Y	**103521.00**	√	224	A4S17DR64	14	100-120/200-240	5.5-5.6/2.7-2.8	1.00	7.69	S, MX, 60
1/3	1800	48Y	**103531.00**	√	230	A4S17DR65	14	100-120/200-240	5.5-5.6/2.7-2.8	1.00	7.69	S, MX, 63
1/2	1800	48Y	**103522.00**	√	251	A4S17DR66	17	100-120/200-240	7.1-7.2/3.4-3.6	1.00	8.75	S, MX, 63
3/4	1800	48Y	**103523.00**	√	301	A4S17DR67	19	115/208-230	10.4/5.2	1.00	9.15	S, MX, 63

Note 60 - Rigid Base
Note 63 - Resilient Base

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

General Specifications:

For use with close-coupled pumps having NEMA® JP mounting and shaft dimensions. In such applications, the pump impeller is mounted directly on the motor shaft. For use where the environment is relatively clean and dry. For outdoor use, an enclosure or drip cover may be preferred.

Features:

- Open drip-proof construction with rigid base mounting
- Locked bearing on shaft end limits axial shaft movement
- Drip cover kits available
- UL recognized and CSA certified
- Single phase designs are capacitor start, induction run
- All 180 and 210 frame rolled steel motors have class F insulation

Single Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
5	3600	184JP	**131881.00**	√	1,480	C184K34DK6	95	230	22.0	1.15	19.38	S, MX
7½	3600	213JP	**140646.00**	√	1,758	C213K34DK1	121	230	37.0	1.15	14.17	S, MX, 37
10	3600	215JP	**140647.00**	√	2,370	C215K34DK1	138	230	47.0	1.15	15.67	S, MX, 37

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Drip-Proof - C Face With Base & C Face Less Base thru 3 HP

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JP	**122093.00**	√	572	C143T17DK9	41	208-230/460	3.2	85.5	1.15	18.48	S, US, 39
1	1800	143JPV	**122094.00**	√	572	C143T17DC20	41	208-230/460	3.2	85.5	1.15	18.48	S, US, 39
1 1/2	3600	143JP	**122095.00**	√	698	C143T34DK6	40	208-230/460	4.0	84.0	1.15	17.68	S, US, 39
1 1/2	3600	143JPV	**122096.00**	√	698	C143T34DC8	40	208-230/460	4.0	84.0	1.15	17.68	S, US, 39
1 1/2	1800	145JP	**122097.00**	√	684	C145T17DK25	44	208-230/460	4.8	86.5	1.15	18.18	S, US, 39
1 1/2	1800	145JPV	**122098.00**	√	684	C145T17DC45	44	208-230/460	4.8	86.5	1.15	18.18	S, US, 39
2	3600	145JPV	**122099.00**	√	713	C145T34DC15	43	208-230/460	4.8	85.5	1.15	16.18	S, US, 39
2	1800	145JP	**122100.00**	√	701	C145T17DK26	45	208-230/460	5.8	86.5	1.15	18.68	S, US, 39
2	1800	145JPV	**122101.00**	√	701	C145T17DC46	45	208-230/460	5.8	86.5	1.15	18.68	S, US, 39
3	3600	145JP	**122102.00**	√	890	C145T34DK18	47	208-230/460	7.2	86.5	1.15	13.62	S, US, 39
3	3600	145JPV	**122103.00**	√	890	C145T34DC16	47	208-230/460	7.2	86.5	1.15	13.62	S, US, 39
3	1800	182JP	**199770.00**	√	934	C182T17DK44	123	208-230/460	8.4	89.5	1.15	15.35	S, CN
5	3600	182JP	**199097.00**	√	1,077	C182T34DK19	131	208-230/460	11.8	86.5	1.15	15.35	S, CN
5	1800	184JP	**G131883.00**	D	933	C184T17DK29	70	208-230/460	13.2	87.5	1.15	20.41	S, MX, 45
5	1800	184JP	**199772.00**	√	1,052	C184T17DK44	166	208-230/460	18.6	91.0	1.15	17.68	S, CN

Green shaded items are less base and have drip covers

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

Continued On Next Page

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Pump Motors

JP Pump Motors - Three Phase

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	3600	184JP	**G131885.00**	D	1,124	C184T34DK19	80	208-230/460	17.6	87.5	1.15	20.41	S, MX, 45
7 1/2	3600	184JP	**199773.00**	√	1,347	C184T34DK28	149	208-230/460	17.2	88.5	1.15	16.34	S, CN
7 1/2	1800	213JP	**G140667.00**	D	1,534	C213T17DK14	146	208-230/460	19.2	88.5	1.15	23.03	S, MX, 41
7 1/2	1800	213JP	**199783.00**	√	1,718	C213T17DK47	166	208-230/460	18.6	91.0	1.15	17.68	S, CN
10	3600	213JP	**G140655.00**	D	1,445	C213T34DK2	140	208-230/460	23.4	88.5	1.15	23.03	S, MX, 37
10	3600	213JP	**199784.00**	√	1,618	C213T34DK49	156	208-230/460	23.0	89.5	1.15	17.68	S, CN
10	1800	215JP	**G140668.00**	D	1,753	C215T17DK12	134	208-230/460	25.0	89.5	1.15	25.00	S, MX, 41
10	1800	215JP	**199785.00**	√	1,961	C215T17DK47	167	208-230/460	229.0	91.7	1.15	19.17	S, CN
15	3600	215JP	**199786.00**	√	2,019	C215T34DK48	191	208-230/460	34.0	90.2	1.15	19.17	S, CN
15	1800	254JP	**199987.00**	√	3,621	C254T17DK13	322	208-230/460	36.5	93.0	1.15	24.41	C, CN
20	3600	254JP	**199988.00**	√	3,128	C254T34DK10	312	208-230/460	46.0	91.0	1.15	24.41	C, CN
20	1800	256JP	**199989.00**	√	3,761	C256T17DK9	374	208-230/460	49.0	93.0	1.15	26.00	C, CN
25	3600	256JP	**199990.00**	√	3,340	C256T34DK9	328	208-230/460	57.0	91.7	1.15	26.00	C, CN
25	1800	284JP	**199991.00**	√	4,358	C284T17DK7	441	208-230/460	62.0	93.6	1.15	26.58	C, CN
30	3600	284JP	**199992.00**	√	4,068	C284T34DK5	412	208-230/460	68.0	91.7	1.15	26.58	C, CN
30	1800	286JP	**199993.00**	√	4,884	C286T17DK8	502	208-230/460	74.0	94.1	1.15	27.10	C, CN
40	3600	286JP	**199994.00**	√	4,408	C286T34DK5	470	208-230/460	60.0	92.4	1.15	27.10	C, CN
40	1800	324JP	**199995.00**	√	5,672	C324T17DK13	604	208-230/460	95.0	94.1	1.15	28.95	C, CN
50	3600	324JP	**199996.00**	√	5,354	C324T34DK5	655	208-230/460	113.0	93.0	1.15	28.95	C, CN
50	1800	326JP	**199997.00**	√	5,967	C326T17DK7	738	208-230/460	118.0	94.5	1.15	30.12	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Specifications are subject to change without notice

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

Drip-Cover Kits For JP Pump Motors

Frame	Catalog Number	List Price	Enclosure	♥Notes
56-145JP	**175932.00**	36	ODP or TEFC	39
213JP-215JP	**175305.00**	116	ODP	37
213JP-215JP	**175846.00**	116	ODP	41
182JP-184JP	**175614.00**	82	ODP	45

Kits are for motors, listed above, starting with the letter "G".

General Specifications:

Designed for continuous duty service on close-coupled pumps using NEMA® JM mounting provisions.

Features:

- Cooling air exhausts at shaft end for maximum cooling
- Locked bearing shaft end
- Drip-cover kits available

Electrical Features:

- High efficiency copper windings
- UL and CSA recognized designs
- Single phase designs are capacitor start/ induction run unless indicated otherwise
- Class F Insulation

Single Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	**120996.00**	√	876	C143C17DK1	42	115/208-230	6.4	1.15	13.91	S, US, 38
1 1/2	1800	145JM	**120994.00**	√	883	C145K17DK8	45	115/208-230	8.6	1.15	14.91	S, US, 38, 53
2	3600	145JM	**121190.00**	√	903	C145C34DK3	47	115/208-230	10.5	1.15	14.91	S, US, 38
2	1800	145JM	**120995.00**	√	885	C145K17DK9	45	115/208-230	10.5	1.15	15.41	S, US, 38, 53
2	1800	182JM	**132073.00**	√	924	C182C17DK3	70	115/208-230	12.4	1.15	13.19	S, MX, 45
3	3600	182JM	**131640.00**	√	1,069	C182K34DK1	80	115/208-230	15.2	1.15	16.32	S, MX, 45, 53
3	1800	182JM	**131604.00**	√	1,229	C182C17DK2	73	230	16.8	1.15	15.82	S, MX, 45
5	3600	184JM	**131641.00**	√	1,520	C184K34DK3	95	115/208-230	24.0	1.15	17.32	S, MX, 45, 53
5	1800	184JM	**131605.00**	√	1,746	C184K17DK14	82	230	21.0	1.15	16.32	S, MX, 45, 53
7 1/2	3600	213JM	**140642.00**	√	2,161	C213K34DK2	109	230	37.0	1.15	14.17	S, MX, 37, 53
7 1/2	1800	215JM	**140665.00**	√	2,302	C215K17DK1	141	230	40.5	1.15	18.38	S, MX, 37, 53
10	3600	215JM	**140644.00**	√	2,434	C215K34DK2	135	230	47.0	1.15	18.38	S, MX, 37, 53
10	1800	215JM	**140666.00**	C/A	2,848	C215K17DK2	144	230	43.0	1.15	19.88	S, MX, 37, 53

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Pump Motors

JM Pump Motors - TEFC - Single Phase

General Specifications:

Designed for continuous duty service on close-coupled pumps using NEMA® JM mounting provisions.

Features:

- Cooling air exhausts at shaft end for maximum cooling
- Locked bearing shaft end
- Drip-cover kits available

Electrical Features:

- High efficiency copper windings
- UL and CSA recognized designs
- Single phase designs are capacitor start/induction run
- Class F Insulation

Single Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	182JM	**132457.00**	√	1,300	C182K34FC2	82	230	13.6	1.0	18.59	S, MX *
5	3600	184JM	**132458.00**	√	1,374	C184K34FK6	95	230	19.8	1.0	18.59	S, MX
7 1/2	3600	213JM	**141281.00**	√	1,621	C213F34FK2	120	230	32.0	1.0	20.59	S, MX
10	3600	215JM	**141282.00**	√	1,883	C215K34FK3	142	230	41.5	1.0	22.09	S, MX

* C Face less Base Design

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Three Phase - Drip-Proof - C Face With Base & C Face Less Base thru 3 HP

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	**122115.00**	√	717	C143T17DK8	41	208-230/460	3.2	85.5	1.15	14.62	S, US, 39
1	1800	143JMV	**122073.00**	√	717	C143T17DC17	41	208-230/460	3.0	85.5	1.15	15.42	S, US, 39
1 1/2	3600	143JM	**122074.00**	√	789	C143T34DK4	40	208-230/460	4.0	84.0	1.15	13.12	S, US, 39
1 1/2	3600	143JMV	**122075.00**	√	789	C143T34DC6	44	208-230/460	5.6	86.5	1.15	14.62	S, US
1 1/2	1800	145JM	**G121851.00**	D	659	C145T17DK18	44	208-230/460	4.8	84.0	1.15	14.62	S, US, 39
1 1/2	1800	143JM	**122076.00**	√	772	C143T17DK7	44	208-230/460	5.6	86.5	1.15	14.62	S, US, 39
1 1/2	1800	143JMV	**122077.00**	√	772	C143T17DC18	44	208-230/460	4.8	86.5	1.15	15.42	S, US
2	3600	145JM	**G121853.00**	D	760	C145T34DK13	44	208-230/460	5.4	84.0	1.15	13.42	S, US, 39
2	3600	145JM	**122078.00**	√	898	C143T34DK5	43	208-230/460	4.8	85.5	1.15	13.12	S, US, 39
2	3600	145JMV	**122079.00**	√	898	C143T34DC7	43	208-230/460	4.8	85.5	1.15	13.42	S, US
2	1800	145JM	**122329.00**	√	870	C145T17DK19	46	208-230/460	6.0	86.5	1.15	15.12	S, US, 39
2	1800	145JMV	**122080.00**	√	870	C143T17DC19	45	208-230/460	6.0	86.5	1.15	15.92	S, US
3	3600	145JM	**122081.00**	√	994	C145T34DK17	47	208-230/460	7.2	86.5	1.15	13.62	S, US, 39
3	3600	145JMV	**122082.00**	√	994	C145T34DC14	47	208-230/460	7.2	86.5	1.15	13.62	S, US
3	1800	182JM	**G131562.00**	D	902	C182T17DK19	64	208-230/460	9.2	86.5	1.15	16.09	S, MX, 45
3	1800	182JM	**199589.00**	√	1,059	C182T17DK43	123	208-230/460	7.8	89.5	1.15	15.35	S, CN
5	3600	182JM	**G131574.00**	D	1,110	C182T34DK12	66	208-230/460	12.0	85.5	1.15	16.35	S, MX, 45
5	3600	182JM	**199763.00**	√	1,266	C182T34DK20	131	208-230/460	11.8	86.5	1.15	15.35	S, CN
5	1800	184JM	**199590.00**	√	1,196	C184T17DK43	135	208-230/460	12.4	89.5	1.15	16.34	S, CN
7 1/2	3600	184JM	**199765.00**	√	1,365	C184T34DK27	149	208-230/460	17.2	88.5	1.15	16.34	S, CN
7 1/2	1800	213JM	**199775.00**	√	1,565	C213T17DK46	166	208-230/460	18.6	91.0	1.15	17.68	S, CN
10	3600	213JM	**G141121.00**	D	1,442	C213T34DK5	130	208-230/460	23.4	88.5	1.15	19.16	S, MX, 37
10	3600	213JM	**199090.00**	√	1,749	C213T34DK48	156	208-230/460	23.0	89.5	1.15	17.68	S, CN
10	1800	215JM	**G140619.00**	D	1,484	C215T17DK11	135	208-230/460	25.0	89.5	1.15	19.16	S, MX, 41
10	1800	215JM	**199777.00**	√	1,767	C215T17DK46	229	208-230/460	24.4	91.7	1.15	19.17	S, CN
15	3600	215JM	**199091.00**	√	2,314	C215T34DK47	191	208-230/460	34.0	90.2	1.15	19.17	S, CN
15	1800	254JM	**199964.00**	√	2,542	C254T17DK12	322	208-230/460	38.0	93.0	1.15	24.41	C, CN
20	3600	254JM	**199965.00**	√	3,128	C254T34DK9	312	208-230/460	46.0	91.0	1.15	24.41	C, CN
20	1800	256JM	**199966.00**	√	3,767	C256T17DK8	374	208-230/460	46.0	91.0	1.15	24.41	C, CN
25	3600	256JM	**G151382.60**	D	2,811	C256T34DK5	295	208-230/460	58.0	91.0	1.15	24.17	C, CN, 44
25	3600	256JM	**199967.00**	√	3,799	C256T34DK8	328	208-230/460	57.0	91.7	1.15	26.00	C, CN
25	1800	284JM	**199968.00**	√	4,357	C284T17DK6	441	208-230/460	62.0	93.6	1.15	26.58	C, CN

Green shaded items are less base and have drip covers

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

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♥ Note listing on inside back flap

Specifications are subject to change without notice

Pump Motors

JM Pump Motors - ODP - Three Phase

Three Phase - Drip-Proof - C Face With Base & C Face Less Base thru 3 HP

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
30	3600	284JM	**G801040.00**	D	3,524	284TTDP14013	376	208-230/460	73.0	91.0	1.15	24.31	C, US
30	3600	284JM	**199969.00**	√	4,404	C284T34DK4	412	208-230/460	68.0	91.7	1.15	26.58	C, CN
30	1800	286JM	**G801029.00**	D	3,654	286TTDP14053	437	208-230/460	72.0	92.4	1.15	25.81	C, US
30	1800	286JM	**199970.00**	√	4,883	C286T17DK7	502	208-230/460	74.0	94.1	1.15	27.10	C, CN
40	3600	286JM	**199971.00**	√	4,946	C286T34DK4	470	208-230/460	90.0	92.4	1.15	27.10	C, CN
40	1800	324JM	**199972.00**	√	5,672	C324T17DK12	604	208-230/460	95.0	94.1	1.15	28.95	C, CN
50	3600	324JM	**199973.00**	√	5,938	C324T34DK4	570	208-230/460	113.0	93.0	1.15	28.95	C, CN
50	1800	326JM	**199974.00**	√	6,048	C326T17DK6	738	208-230/460	118.0	94.5	1.15	30.12	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

Drip-Cover Kits For JM Pump Motors

Frame	Catalog Number	List Price	Enclosure	♥Notes
143-145JM	**175004.00**	66	ODP	38
143-145JM	**175932.00**	36	ODP	39
213-215JM	**175305.00**	116	ODP	37
213-215JM	**175846.00**	116	ODP	41
213-215JM ‡	**175962.00**	116	ODP	43
254-256JM ‡	**175963.00**	148	ODP	44
182-184JM	**175614.00**	82	ODP	45

For use with motors having notes for Drip Cover kits

LEESON®

General Specifications:

Designed for continuous duty service on close-coupled pumps using NEMA® JM mounting provisions. All motors have a rigid mounting base and NEMA JM pump shaft and face mount.

Features:

- Totally enclosed fan cooled construction for maximum life in dirty or severe environments. Oversized locked bearing on shaft end limits axial shaft movement. Drip covers are available as accessory kits for 143-5JM and 182-4JM motors—see letter designations in the table for the correct kit. Some 182-4JM frame motors have enclosed endshields as standard with frame vents meeting the 12° drip-proof requirement. No drip cover is needed, or shown in the table, for these motors
- Oversized locked bearing on shaft end limits axial shaft movement
- Drip cover kits available
- High efficiency copper windings
- UL and CSA recognized designs

Three Phase - TEFC - C Face With Base & C Face Less Base thru 2 HP

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	**G121855.00**	D	659	C143T17FK19	35	208-230/460	3.0	82.5	1.15	15.00	S, MX
1	1800	143JM	**122083.00**	√	777	C143T17FK27	59	208-230/460	3.3	85.5	1.15	16.79	S, US
1	1800	143JMV	**122084.00**	√	777	C143T17FC39	57	208-230/460	3.3	85.5	1.15	16.00	S, US
1 1/2	3600	143JM	**G121858.00**	D	664	C143T34FK14	37	208-230/460	4.0	82.5	1.15	15.50	S, US
1 1/2	3600	143JM	**122085.00**	√	801	C143T34FK17	63	208-230/460	4.0	84.0	1.15	15.50	S, US
1 1/2	3600	143JMV	**122086.00**	√	801	C143T34FC20	61	208-230/460	4.0	84.0	1.15	16.29	S, US
1 1/2	1800	145JM	**G121856.00**	D	719	C145T17FK53	46	208-230/460	4.4	84.0	1.15	16.50	S, US
1 1/2	1800	145JM	**122087.00**	√	848	C145T17FK71	68	208-230/460	4.6	86.5	1.15	16.50	S, US
1 1/2	1800	145JMV	**122088.00**	√	848	C145T17FC121	66	208-230/460	4.6	86.5	1.15	17.29	S, US
2	3600	145JM	**G121859.00**	D	815	C145T34FK37	38	208-230/460	5.2	84.0	1.15	15.50	S, US
2	3600	145JM	**122089.00**	√	961	C145T34FK45	71	208-230/460	5.2	85.5	1.15	16.50	S, US
2	3600	145JMV	**122090.00**	√	961	C145T34FC42	69	208-230/460	5.2	85.5	1.15	17.29	S, US
2	1800	145JM	**122091.00**	√	847	C145T17FK72	76	208-230/460	6.0	86.5	1.15	17.00	S, US
2	1800	145JMV	**122092.00**	√	847	C145T17FC122	74	208-230/460	6.0	86.5	1.15	17.79	S, US
3	3600	182JM	**199766.00**	√	992	C182T34FK43	83	208-230/460	7.6	86.5	1.15	17.51	S, US
3	1800	182JM	**G131579.00**	D	876	C182T17FK26	75	208-230/460	8.4	87.5	1.15	17.85	S, MX
3	1800	182JM	**199767.00**	√	1,016	C182T17FK48	87	208-230/460	7.8	89.5	1.15	17.51	S, CN
5	3600	184JM	**199768.00**	√	1,383	C184T34FK49	95	208-230/460	12.0	88.5	1.15	18.36	S, CN
5	1800	184JM	**G131581.00**	D	1,140	C184T17FK33	97	208-230/460	12.6	87.5	1.15	18.85	S, MX
5	1800	184JM	**199769.00**	√	1,345	C184T17FK49	110	208-230/460	12.4	89.5	1.15	18.36	S, CN

Green shaded items are less base and have drip covers

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Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

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Pump Motors

JM Pump Motors - TEFC - Three Phase

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	3600	S213JM	**G132027.00**	D	1,474	C184T34FK41	121	208-230/460	18.4	88.5	1.15	22.09	S,MX
7 1/2	3600	213JM	**199779.00**	√	1,647	C213T34FK45	95	208-230/460	17.8	89.5	1.15	20.65	S,CN
7 1/2	1800	213JM	**G140622.00**	D	1,556	C213T17FK23	127	208-230/460	20.0	89.5	1.15	20.59	S,MX
7 1/2	1800	213JM	**199780.00**	√	1,836	C213T17FK46	110	208-230/460	18.6	89.5	1.15	20.65	S,CN
10	3600	215JM	**199781.00**	√	2,102	C215T34FK46	137	208-230/460	22.8	90.2	1.15	22.14	S,CN
10	1800	215JM	**G140623.00**	D	1,918	C215T17FK18	145	208-230/460	25.6	90.2	1.15	22.09	S,MX
10	1800	215JM	**199782.00**	√	2,263	C215T17FK46	164	208-230/460	24.4	91.7	1.15	22.14	S,CN
15	3600	254JM	**G151567.60**	D	2,493	C254T34FK11	171	208-230/460	35.0	90.2	1.15	24.80	C,CN
15	3600	254JM	**199975.00**	√	3,228	C254T34FK15	350	208-230/460	34.0	91.0	1.15	26.60	C,CN
15	1800	254JM	**199976.00**	√	3,267	C254T17FK16	375	208-230/460	37.0	92.4	1.15	26.60	C,CN
20	3600	254JM	**G151569.60**	D	2,720	C254T34FK12	299	208-230/460	46.2	90.2	1.15	24.80	C,CN
20	3600	256JM	**199977.00**	√	3,512	C256T34FK11	375	208-230/460	46.0	91.0	1.15	27.80	C,CN
20	1800	256JM	**G151570.60**	D	2,942	C256T17FK5	324	208-230/460	48.2	91.0	1.15	26.50	C,CN
20	1800	256JM	**199978.00**	√	4,103	C256T17FK16	425	208-230/460	48.0	93.0	1.15	27.80	C,CN
25	3600	256JM	**G151417.60**	D	3,368	C256T34FK8	311	208-230/460	56.4	91.0	1.15	28.00	C,CN
25	3600	284JM	**199979.00**	√	4,183	C284T34FK12	475	208-230/460	55.5	91.7	1.15	30.92	C,CN
25	1800	284JM	**G151418.60**	D	3,312	C284T17FK6	373	208-230/460	58.8	92.4	1.15	28.17	C,CN
25	1800	284JM	**199980.00**	√	4,635	C284T17FK14	500	208-230/460	62.0	93.6	1.15	30.92	C,CN
30	3600	286JM	**199981.00**	√	4,427	C286T34FK19	500	208-230/460	66.0	91.7	1.15	32.10	C,CN
30	1800	286JM	**G151422.60**	D	3,931	C286T17FK11	431	208-230/460	69.8	92.4	1.15	29.74	C,CN
30	1800	286JM	**199982.00**	√	4,851	C286T17FK14	525	208-230/460	73.0	93.6	1.15	32.10	C,CN
40	3600	324JM	**199983.00**	√	5,736	C324T34FK11	675	208-230/460	88.0	92.4	1.15	32.93	C,CN
40	1800	324JM	**G151426.60**	D	4,823	C324T17FK12	531	208-230/460	90.0	93.0	1.15	32.33	C,CN
40	1800	324JM	**199984.00**	√	5,842	C324T17FK15	683	208-230/460	94.0	94.1	1.15	32.93	C,CN
50	3600	326JM	**199985.00**	√	6,090	C326T34FK8	725	208-230/460	109.0	93.0	1.15	34.11	C,CN
50	1800	326JM	**199986.00**	√	6,889	C326T17FK11	775	208-230/460	119.0	94.5	1.15	34.11	C,CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Specifications are subject to change without notice

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

LEESON®

General Specifications:

For use with close-coupled pumps having NEMA® JP mounting and shaft dimensions. Used in applications where the pump impeller is mounted directly on the motor shaft. Designed for continuous duty service.

Features:

- 1.25 service factor
- All cast iron construction
- Premium efficient
- Re-greasable bearings
- UL recognized and CSA certified
- Class F Insulation

TEFC JP Pump Motors - C Face With Base & C Face Less Base thru 2 HP

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JP	**122105.00**	√	807	C143T17FK28	59	208-230/460	3.3	85.5	1.15	19.13	S, US
1	1800	143JPV	**122106.00**	√	807	C143T17FC40	57	208-230/460	3.3	85.5	1.15	19.85	S, US
1 1/2	3600	143JP	**122107.00**	√	832	C143T34FK18	63	208-230/460	4.0	84.0	1.15	18.63	S, US
1 1/2	3600	143JPV	**122108.00**	√	832	C143T34FC21	61	208-230/460	4.0	84.0	1.15	19.35	S, US
1 1/2	1800	145JP	**G151736.60**	D	625	C145T17FK60	54	208-230/460	4.5	85.5	1.15	18.66	C, CN
1 1/2	1800	145JP	**122109.00**	√	885	C145T17FK73	68	208-230/460	4.6	86.5	1.15	19.63	S, US
1 1/2	1800	145JPV	**122110.00**	√	885	C145T17FC123	66	208-230/460	4.6	86.5	1.15	20.35	S, US
2	3600	145JP	**122111.00**	√	1002	C145T34FK46	71	208-230/460	5.2	85.5	1.15	19.63	S, US
2	3600	145JPV	**122112.00**	√	1002	C145T34FC43	69	208-230/460	5.2	85.5	1.15	20.35	S, US
2	1800	145JP	**G151737.60**	D	644	C145T17FK61	57	208-230/460	5.8	85.5	1.15	18.66	C, CN
2	1800	145JP	**122113.00**	√	893	C145T17FK74	76	208-230/460	6.0	86.5	1.15	20.13	S, US
2	1800	145JP	**122114.00**	√	893	C145T17FC124	74	208-230/460	6.0	86.5	1.15	20.85	S, US
3	3600	182JP	**G151738.60**	D	1,171	C182T34FK12	91	208-230/460	7.4	85.5	1.15	20.71	C, CN
3	3600	182JP	**199092.00**	√	1,346	C182T34FK42	83	208-230/460	7.6	86.5	1.15	19.07	S, CN
3	1800	182JP	**199093.00**	√	1,245	C182T17FK47	87	208-230/460	7.8	89.5	1.15	19.07	S, CN
5	3600	184JP	**199094.00**	√	1,417	C184T34FK48	95	208-230/460	12.0	88.5	1.15	20.05	S, CN
5	1800	184JP	**G151741.60**	D	1,186	C184T17FK31	103	208-230/460	13.8	87.5	1.15	20.71	C, CN
5	1800	184JP	**199095.00**	√	1,423	C184T17FK48	110	208-230/460	12.4	89.5	1.15	20.05	S, CN

Green shaded items are less base and have drip covers

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

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♥ Note listing on inside back flap

Specifications are subject to change without notice

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Pump Motors

JP Pump Motors - TEFC - Three Phase

TEFC JP Pump Motors - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	3600	184JP	**G151742.60**	D	1,445	C184T34FK38	156	208-230/460	17.8	88.5	1.15	20.71	C, CN
7 1/2	3600	213JP	**199096.00**	√	1,733	C213T34FK44	116	208-230/460	17.8	88.5	1.15	24.54	S, CN
7 1/2	1800	213JP	**G151743.60**	D	1,358	C213T17FK17	158	208-230/460	19.2	89.5	1.15	24.02	C, CN
7 1/2	1800	213JP	**199787.00**	√	1,806	C213T17FK47	143	208-230/460	18.6	89.5	1.15	24.54	S, CN
10	3600	215JP	**199788.00**	√	1,987	C215T34FK47	137	208-230/460	22.8	90.2	1.15	26.03	S, CN
10	1800	215JP	**199789.00**	√	1,956	C215T17FK47	164	208-230/460	24.4	91.7	1.15	26.03	S, CN
15	3600	254JP	**199998.00**	√	3,228	C254T34FK15	350	208-230/460	34.0	91.0	1.15	29.51	C, CN
15	1800	254JP	**G151747.60**	D	2,505	C254T17FK10	281	208-230/460	37.0	92.4	1.15	28.03	C, CN
15	1800	254JP	**199999.00**	√	3,267	C254T17FK17	375	208-230/460	37.0	92.4	1.15	29.51	C, CN
20	3600	256JP	**194118.00**	√	3,688	C256T17FK17	375	208-230/460	45.0	91.0	1.15	30.71	C, CN
20	1800	256JP	**194119.00**	√	4,103	C256T17FK17	425	208-230/460	48.5	93.0	1.15	30.71	C, CN
25	3600	284JP	**194120.00**	√	4,183	C284T34FK13	475	208-230/460	55.5	91.7	1.15	33.82	C, CN
25	1800	284JP	**194121.00**	√	4,634	C284T17FK15	500	208-230/460	62.0	93.6	1.15	33.82	C, CN
30	3600	286JP	**194122.00**	√	4,791	C286T34FK20	500	208-230/460	66.0	91.7	1.15	35.00	C, CN
30	1800	286JP	**194123.00**	√	4,851	C286T17FK15	525	208-230/460	73.0	93.6	1.15	35.00	C, CN
40	3600	286JP	**G151754.60**	D	5,136	C324T34FK9	580	208-230/460	93.0	91.7	1.15	31.61	C, CN
40	3600	324JP	**194124.00**	√	6,060	C324T34FK12	675	208-230/460	88.0	92.4	1.15	35.81	C, CN
40	1800	324JP	**194125.00**	√	6,151	C324T17FK16	750	208-230/460	94.0	94.1	1.15	35.81	C, CN
50	3600	326JP	**194126.00**	√	7,076	C326T34FK9	725	208-230/460	109.0	93.0	1.15	36.99	C, CN
50	1800	326JP	**194127.00**	√	7,112	C326T17FK12	775	208-230/460	119.0	94.5	1.15	36.99	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

LEESON®

Pump Motors

Lincoln Fire Pump Motors - Drip-Proof - Rigid Base

Features:

- 25 to 500 horsepower
- 3600 & 1800 RPM's
- 250 frame rolled steel construction
- 280 frame and larger - cast iron construction
- EPAct efficiency
- Ball bearings
- NEMA® design B, code G
- 230/460 and 460 volt motors rated for 50HZ at next lower HP, with 1.15 S.F. on nameplate
- Dual voltage motors – 12 leads suitable for Y-Delta, low voltage PWS, and across the line start
- Single voltage motors – 12 leads suitable for Y-Delta, PWS, and across the line start
- C Face kits available through 250HP
- For special designs contact district sales office near you
- Exterior red paint
- UL listed and CSA certified (UL1004A) and CE marked

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	*F. L. Amps	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
25	3600	256T	**LM80103**	C/A	1,870	SSD2P25T62AP5	164	200/400	——	91.0	1.15	——	S, US
25	3600	256T	**LM80104**	C/A	1,870	SSD2P25T61AP5	164	230/460	58.0	91.0	1.15	22.32	S, US
25	1800	284T	**LM80105**	C/A	2,625	CCD4P25T62YAP5	420	200/400	70.0	91.7	1.15	23.49	C, US
25	1800	284T	**LM80106**	C/A	2,625	CCD4P25T61YAP5	420	230/460	61.0	91.7	1.15	23.49	C, US
30	3600	284TS	**LM80107**	C/A	2,812	CCD2P30TS62YAP5	318	200/400	83.0	91.0	1.15	22.06	C, US
30	3600	284TS	**LM80108**	C/A	2,812	CCD2P30TS61YAP5	318	230/460	72.0	91.0	1.15	22.06	C, US
30	1800	286T	**LM80109**	C/A	3,094	CCD4P30T62YAP5	364	200/400	83.0	92.4	1.15	23.56	C, US
30	1800	286T	**LM80110**	C/A	3,094	CCD4P30T61YAP5	364	230/460	72.0	92.4	1.15	23.49	C, US
40	3600	286TS	**LM80111**	C/A	3,137	CCD2P40TS62YAP5	360	200/400	123.0	91.7	1.15	23.64	C, US
40	3600	286TS	**LM80112**	C/A	3,137	CCD2P40TS61YAP5	360	230/460	107.0	91.7	1.15	23.56	C, US
40	1800	324TS	**LM80113**	C/A	3,481	CCD4P40TS62YAP5	465	200/400	127.0	93.0	1.15	24.50	C, US
40	1800	324TS	**LM80114**	C/A	3,481	CCD4P40TS61YAP5	465	230/460	97.0	93.0	1.15	24.50	C, US
40	1800	324T	**LM80115**	C/A	3,481	CCD4P40T62YAP5	465	200/400	112.0	93.0	1.15	26.00	C, US
40	1800	324T	**LM80116**	C/A	3,481	CCD4P40T61YAP5	465	230/460	97.0	93.0	1.15	26.00	C, US
50	3600	324TS	**LM80117**	C/A	3,320	CCD2P50TS62YAP5	415	200/400	135.0	92.4	1.15	24..50	C, US
50	3600	324TS	**LM80118**	C/A	3,320	CCD2P50TS61YAP5	415	230/460	117.0	92.4	1.15	24.50	C, US
50	1800	326TS	**LM80119**	C/A	3,709	CCD4P50TS62YAP5	515	200/400	142.0	93.0	1.15	26.00	C, US
50	1800	326TS	**LM80120**	C/A	3,709	CCD4P50TS61YAP5	515	230/460	123.0	93.0	1.15	26.00	C, US
50	1800	326T	**LM80121**	C/A	3,709	CCD4P50T62YAP5	515	200/400	161.0	93.0	1.15	26.00	C, US
50	1800	326T	**LM80122**	C/A	3,709	CCD4P50T61YAP5	515	230/460	123.0	93.0	1.15	27.50	C, US

Shaded model numbers are cast iron frame

Continued On Next Page

▼ LM Numbers are Lincoln Models
* Full load amps at lowest listed voltage
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Pump Motors

Lincoln Fire Pump Motors - Drip-Proof - Rigid Base

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	*F. L. Amps	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
60	3600	326TS	**LM80123**	C/A	3,699	CCD2P60TS62YAP5	340	200/400	155.0	93.0	1.15	26.00	C, US
60	3600	326TS	**LM80124**	C/A	3,699	CCD2P60TS61YAP5	340	230/460	135.0	93.0	1.15	26.00	C, US
60	1800	364TS	**LM80125**	C/A	7,010	CCD4P60TS62YAP5	805	200/400	166.0	93.6	1.15	26.50	C, US
60	1800	364TS	**LM80126**	C/A	7,016	CCD4P60TS61YAP5	805	230/460	144.0	93.6	1.15	26.50	C, US
60	1800	364T	**LM80127**	C/A	7,016	CCD4P60T62YAP5	805	200/400	166.0	93.6	1.15	28.62	C, US
60	1800	364T	**LM80128**	C/A	7,016	CCD4P60T61YAP5	805	230/460	144.0	93.6	1.15	28.62	C, US
75	3600	364TS	**LM80129**	C/A	6,853	CCD2P75TS62YAP5	950	200/400	211.0	93.0	1.15	26.50	C, US
75	3600	364TS	**LM80130**	√	7,284	CCD2P75TS61YAP5	950	230/460	183.0	93.0	1.15	26.50	C, US
75	1800	365TS	**LM80131**	C/A	7,301	CCD4P75TS62YAP5	766	200/400	204.0	94.1	1.15	27.50	C, US
75	1800	365TS	**LM80132**	C/A	7,301	CCD4P75TS61YAP5	766	230/460	177.0	94.1	1.15	27.50	C, US
75	1800	365T	**LM80133**	C/A	7,301	CCD4P75T62YAP5	766	200/400	204.0	94.1	1.15	29.62	C, US
75	1800	365T	**LM80134**	√	7,301	CCD4P75T61YAP5	766	230/460	177.0	94.1	1.15	29.62	C, US
100	3600	365TS	**LM80135**	C/A	7,133	CCD2P100TS62YAP5	730	200/400	276.0	93.0	1.15	27.50	C, US
100	3600	365TS	**LM80136**	C/A	7,133	CCD2P100TS61YAP5	730	230/460	240.0	93.0	1.15	27.50	C, US
100	1800	404TS	**LM80137**	C/A	8,976	CCD4P100TS62YAP5	1065	200/400	267.0	94.1	1.15	29.50	C, US
100	1800	404TS	**LM80138**	C/A	8,976	CCD4P100TS61YAP5	1065	230/460	236.0	94.1	1.15	29.50	C, US
100	1800	404T	**LM80139**	C/A	8,976	CCD4P100T62YAP5	1065	200/400	271.0	94.1	1.15	32.50	C, US
100	1800	404T	**LM80140**	√	8,976	CCD4P100T61YAP5	1065	230/460	236.0	94.1	1.15	32.50	C, US
125	3600	404TS	**LM80141**	C/A	8,500	CCD2P125TS62YAP5	949	200/400	327.0	93.6	1.15	29.50	C, US
125	3600	404TS	**LM80142**	√	8,500	CCD2P125TS61YAP5	949	230/460	284.0	93.6	1.15	29.50	C, US
125	1800	405TS	**LM80143**	C/A	9,600	CCD4P125TS62YAP5	1070	200/400	327.0	94.5	1.15	29.50	C, US
125	1800	405TS	**LM80144**	C/A	9,600	CCD4P125TS61YAP5	1070	230/460	288.0	94.5	1.15	31.00	C, US
125	1800	405T	**LM80145**	C/A	9,600	CCD4P125T62YAP5	1070	200/400	331.0	94.5	1.15	34.00	C, US
125	1800	405T	**LM80146**	√	9,600	CCD4P125T61YAP5	1070	230/460	288.0	94.5	1.15	34.00	C, US
150	3600	405TS	**LM80147**	C/A	8,762	CCD2P150TS6011PYAP5	983	400	194.0	93.6	1.15	31.00	C, US
150	3600	405TS	**LM80148**	√	8,762	CCD2P150TS64PYAP5	983	460	169.0	93.6	1.15	31.00	C, US
150	1800	444TS	**LM80149**	C/A	11,222	CCD4P150TS6011PYAP5	1265	400	199.0	95.0	1.15	34.00	C, US
150	1800	444TS	**LM80150**	C/A	11,222	CCD4P150TS64PYAP5	1265	460	173.0	95.0	1.15	34.00	C, US
150	1800	444T	**LM80151**	C/A	11,222	CCD4P150T6011PYAP5	1265	400	199.0	95.0	1.15	37.75	C, US
150	1800	444T	**LM80152**	√	11,222	CCD4P150T64PYAP5	1265	460	173.0	95.0	1.15	37.75	C, US
200	3600	444TS	**LM80153**	C/A	11,341	CCD2P200TS6011PYAP5	1315	400	259.0	94.5	1.15	34.00	C, US
200	3600	444TS	**LM80154**	√	11,341	CCD2P200TS64PYAP5	1315	460	225.0	94.5	1.15	34.00	C, US
200	1800	445TS	**LM80155**	C/A	12,056	CCD4P200TS6011PYAP5	1412	400	268.0	95.0	1.15	36.00	C, US
200	1800	445TS	**LM80156**	C/A	12,056	CCD4P200TS64PYAP5	1412	460	233.0	95.0	1.15	36.00	C, US
200	1800	445T	**LM80157**	C/A	12,056	CCD4P200T6011PYAP5	1412	400	268.0	95.0	1.15	39.75	C, US
200	1800	445T	**LM80158**	√	12,056	CCD4P200T64PYAP5	1412	460	233.0	95.0	1.15	39.75	C, US
250	3600	445TS	**LM80159**	C/A	12,118	CCD2P250TS6011PYAP5	1387	400	321.0	94.5	1.15	36.00	C, US
250	3600	445TS	**LM80160**	C/A	12,118	CCD2P250TS64PYAP5	1387	460	279.0	94.5	1.15	36.00	C, US
250	1800	445TS	**LM80161**	C/A	13,275	CCD4P250TS6011PYAP5	1428	400	328.0	95.4	1.15	36.00	C, US
250	1800	445TS	**LM80162**	C/A	13,275	CCD4P250TS64PYAP5	1428	460	285.0	95.4	1.15	36.00	C, US
250	1800	445T	**LM80163**	C/A	13,275	CCD4P250T6011PYAP5	1428	400	328.0	95.4	1.15	39.75	C, US
250	1800	445T	**LM80164**	√	13,275	CCD4P250T64PYAP5	1428	460	285.0	95.4	1.15	39.75	C, US

Shaded model numbers are cast iron frame

Continued On Next Page

▼ LM Numbers are Lincoln Models
* Full load amps at lowest listed voltage
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	*F. L. Amps	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
300	3600	447TS	**LM80165**	C/A	16,261	CCD2P300TS6011PYAP5	2255	400	382.0	95.0	1.15	39.50	C, US
300	3600	447TS	**LM80166**	√	16,261	CCD2P300TS64PYAP5	2255	460	332.0	95.0	1.15	39.50	C, US
300	1800	447TS	**LM80167**	C/A	17,088	CCD4P300TS6011PYAP5	1952	400	397.0	95.4	1.15	39.50	C, US
300	1800	447TS	**LM80168**	C/A	17,088	CCD4P300TS64PYAP5	1952	460	345.0	95.4	1.15	39.50	C, US
300	1800	447T	**LM80169**	C/A	17,088	CCD4P300T6011PYAP5	1952	400	397.0	95.4	1.15	43.25	C, US
300	1800	447T	**LM80170**	√	17,088	CCD4P300T64PYAP5	1952	460	345.0	95.4	1.15	43.25	C, US
350	3600	447TS	**LM80171**	C/A	16,941	CCD2P350TS6011PYAP5	2068	400	443.0	95.0	1.15	39.50	C, US
350	3600	447TS	**LM80172**	√	16,941	CCD2P350TS64PYAP5	2068	460	385.0	95.0	1.15	39.50	C, US
350	1800	447TS	**LM80173**	C/A	17,047	CCD4P350TS6011PYAP5	1950	400	466.0	95.4	1.15	39.50	C, US
350	1800	447TS	**LM80174**	C/A	17,047	CCD4P350TS64PYAP5	1950	460	405.0	95.4	1.15	39.50	C, US
350	1800	447T	**LM80175**	C/A	17,047	CCD4P350T6011PYAP5	1950	400	466.0	95.4	1.15	43.25	C, US
350	1800	447T	**LM80176**	√	17,047	CCD4P350T64PYAP5	1950	460	405.0	95.4	1.15	43.25	C, US
400	1800	447TS	**LM80178**	√	19,076	CCD4P400TS64PYAP5	2214	460	450.0	95.4	1.15	39.50	C, US
450	1800	449TS	**LM80180**	√	25,309	CCD4P450TS64PYAP5	2675	460	505.0	95.8	1.15	44.50	C, US
500	1800	449TS	**LM80182**	√	27,629	CCD4P500TS64PYAP5	2695	460	560.0	95.8	1.15	44.50	C, US

Shaded model numbers are cast iron frame

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Pump Motors

Lincoln Fire Pump Motors - TEFC - Rigid Base

Features:

- 3 to 450 horsepower
- 3600 & 1800 RPM's
- EPAct efficiency
- Ball bearings
- NEMA® design B, code G
- 230/460 and 460 volt motors rated for 50HZ at next lower HP, with 1.15 S.F. on nameplate
- Dual voltage motors – 12 leads suitable for Y-Delta, low voltage PWS, and across the line start
- Single voltage motors – 12 leads suitable for Y-Delta, PWS, and across the line start
- C-Face kits available through 250HP
- For special designs contact district sales office near you
- Exterior red paint
- UL listed and CSA certified (UL1004A) and CE marked

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	*F. L. Amps	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	182T	**LM80050**	C/A	985	CCF2P3T62AP5	84	200/400	8.5	86.5	1.15	15.87	C, US
3	3600	182T	**LM80051**	C/A	985	CCF2P3T61AP5	84	230/460	7.4	86.5	1.15	15.87	C, US
3	1800	182T	**LM80052**	C/A	1,069	CCF4P3T62AP5	90	200/400	9.9	87.5	1.15	15.87	C, US
3	1800	182T	**LM80053**	C/A	1,069	CCF4P3T61AP5	90	230/460	8.6	87.5	1.15	15.87	C, US
5	3600	184T	**LM80054**	C/A	1,134	CCF2P5T62AP5	108	200/400	14.0	87.5	1.15	15.87	C, US
5	3600	184T	**LM80055**	C/A	1,134	CCF2P5T61AP5	108	230/460	12.2	87.5	1.15	15.87	C, US
5	1800	184T	**LM80056**	C/A	1,169	CCF4P5T62AP5	123	200/400	15.0	87.5	1.15	15.87	C, US
5	1800	184T	**LM80057**	C/A	1,169	CCF4P5T61AP5	123	230/460	13.0	87.5	1.15	15.87	C, US
7 1/2	3600	213T	**LM80058**	C/A	1,582	CCF2P7.5T62AP5	188	200/400	21.9	88.5	1.15	18.20	C, US
7 1/2	3600	213T	**LM80059**	C/A	1,582	CCF2P7.5T61AP5	188	230/460	19.0	88.5	1.15	18.20	C, US
7 1/2	1800	213T	**LM80060**	C/A	1,556	CCF4P7.5T62AP5	194	200/400	23.0	89.5	1.15	18.20	C, US
7 1/2	1800	213T	**LM80061**	C/A	1,556	CCF4P7.5T61AP5	194	230/460	20.0	89.5	1.15	19.63	C, US
10	3600	215T	**LM80062**	C/A	1,675	CCF2P10T62AP5	217	200/400	27.6	89.5	1.15	19.63	C, US
10	3600	215T	**LM80063**	C/A	1,675	CCF2P10T61AP5	217	230/460	24.0	89.5	1.15	22.63	C, US
10	1800	215T	**LM80064**	C/A	1,733	CCF4P10T62AP5	227	200/400	28.8	89.5	1.15	22.63	C, US
10	1800	215T	**LM80065**	√	1,733	CCF4P10T61AP5	227	230/460	25.0	89.5	1.15	22.63	C, US
15	3600	254T	**LM80066**	C/A	2,361	CCF2P15T62AP5	370	200/400	——	90.2	1.15	——	C, US
15	3600	254T	**LM80067**	C/A	2,361	CCF2P15T61AP5	370	230/460	35.0	90.2	1.15	23.69	C, US
15	1800	254T	**LM80068**	C/A	2,264	CCF4P15T62AP5	365	200/400	——	91.0	1.15	——	C, US
15	1800	254T	**LM80069**	C/A	2,264	CCF4P15T61AP5	365	230/460	39.0	91.0	1.15	23.52	C, US
20	3600	256T	**LM80070**	C/A	2,852	CCF2P20T62AP5	334	200/400	——	90.2	1.15	——	C, US
20	3600	256T	**LM80071**	C/A	2,852	CCF2P20T61AP5	334	230/460	46.5	90.2	1.15	25.27	C, US
20	1800	256T	**LM80072**	C/A	2,429	CCF4P20T62AP5	420	200/400	57.5	91.0	1.15	25.27	C, US
20	1800	256T	**LM80073**	C/A	2,429	CCF4P20T61AP5	420	230/460	50.0	91.0	1.15	25.27	C, US
25	3600	284TS	**LM80074**	C/A	3,690	CCF2P25TS62YAP5	384	200/400	——	91.0	1.15	——	C, US
25	3600	284TS	**LM80075**	C/A	3,690	CCF2P25TS61YAP5	384	230/460	59.0	91.0	1.15	24.89	C, US
25	1800	284T	**LM80076**	C/A	2,949	CCF4P25T62YAP5	440	200/400	——	92.4	1.15	——	C, US
25	1800	284T	**LM80077**	C/A	2,949	CCF4P25T61YAP5	440	230/460	61.0	92.4	1.15	26.27	C, US

Shaded model numbers are cast iron frame

Continued On Next Page

▼ LM Numbers are Lincoln Models
* Full load amps at lowest listed voltage
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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LEESON®

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	*F. L. Amps	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
30	3600	286TS	**LM80078**	C/A	4,380	CCF2P30TS62YAP5	428	200/400	——	91.0	1.15	——	C, US
30	3600	286TS	**LM80079**	C/A	4,380	CCF2P30TS61YAP5	428	230/460	70.0	91.0	1.15	26.43	C, US
30	1800	286T	**LM80080**	C/A	3,526	CCF4P30T62YAP5	494	200/400	——	92.4	1.15	——	C, US
30	1800	286T	**LM80081**	C/A	3,526	CCF4P30T61YAP5	494	230/460	72.0	92.4	1.15	27.84	C, US
40	3600	324TS	**LM80084**	C/A	6,133	CCF2P40TS62YAP5	520	200/400	——	91.7	1.15	——	C, US
40	3600	324TS	**LM80085**	√	6,133	CCF2P40TS61YAP5	520	230/460	92.0	91.7	1.15	27.47	C, US
40	1800	324TS	**LM80183**	C/A	5,165	CCF4P40TS62YAP5	575	200/400	——	93.0	1.15	——	C, US
40	1800	324TS	**LM80184**	C/A	5,165	CCF4P40TS61YAP5	575	230/460	100.0	93.0	1.15	27.47	C, US
40	1800	324T	**LM80027**	C/A	5,165	CCF4P40T62YAP5	575	200/400	——	93.0	1.15	——	C, US
40	1800	324T	**LM80086**	√	5,165	CCF4P40T61YAP5	575	230/460	100.0	93.0	1.15	28.97	C, US
50	3600	326TS	**LM80028**	C/A	7,160	CCF2P50TS62YAP5	540	200/400	——	93.0	1.15	——	C, US
50	3600	326TS	**LM80087**	C/A	7,160	CCF2P50TS61YAP5	540	230/460	112.0	93.0	1.15	28.97	C, US
50	1800	326TS	**LM80186**	C/A	5,799	CCF4P50TS62YAP5	675	200/400	——	93.6	1.15	——	C, US
50	1800	326TS	**LM80187**	C/A	5,799	CCF4P50TS61YAP5	675	230/460	122.0	93.6	1.15	28.87	C, US
50	1800	326T	**LM80029**	C/A	5,799	CCF4P50T62YAP5	675	200/400	140.0	93.6	1.15	30.37	C, US
50	1800	326T	**LM80088**	C/A	5,799	CCF4P50T61YAP5	675	230/460	122.0	93.6	1.15	31.87	C, US
60	3600	364TS	**LM80030**	C/A	8,628	CCF2P60TS62YAP5	875	200/400	——	93.0	1.15	——	C, US
60	3600	364TS	**LM80089**	√	8,628	CCF2P60TS61YAP5	875	230/460	138.0	93.0	1.15	29.38	C, US
60	1800	364TS	**LM80188**	C/A	7,995	CCF4P60TS62YAP5	975	200/400	——	93.6	1.15	——	C, US
60	1800	364TS	**LM80185**	C/A	7,995	CCF4P60TS61YAP5	975	230/460	142.0	93.6	1.15	29.38	C, US
60	1800	364T	**LM80031**	C/A	7,995	CCF4P60T62YAP5	975	200/400	——	93.6	1.15	——	C, US
60	1800	364T	**LM80090**	√	7,995	CCF4P60T61YAP5	975	230/460	142.0	93.6	1.15	31.50	C, US
75	3600	365TS	**LM80032**	C/A	10,276	CCF2P75TS62YAP5	1000	200/400	——	93.6	1.15	——	C, US
75	3600	365TS	**LM80091**	√	10,276	CCF2P75TS61YAP5	1000	230/460	172.0	93.6	1.15	30.38	C, US
75	1800	365TS	**LM80189**	C/A	10,084	CCF4P75TS62YAP5	1025	200/400	——	94.1	1.15	——	C, US
75	1800	365TS	**LM80190**	C/A	10,084	CCF4P75TS61YAP5	1025	230/460	176.0	94.1	1.15	30.38	C, US
75	1800	365T	**LM80033**	C/A	10,084	CCF4P75T62YAP5	1025	200/400	——	94.1	1.15	——	C, US
75	1800	365T	**LM80092**	√	10,084	CCF4P75T61YAP5	1025	230/460	176.0	94.1	1.15	32.50	C, US
100	3600	405TS	**LM80034**	C/A	14,058	CCF2P100TS62YAP5	1239	200/400	——	94.1	1.15	——	C, US
100	3600	405TS	**LM80093**	√	14,058	CCF2P100TS61YAP5	1239	230/460	224.0	94.1	1.15	34.12	C, US
100	1800	405TS	**LM80191**	C/A	12,184	CCF4P100TS62YAP5	1267	200/400	172.0	94.5	1.15	30.38	C, US
100	1800	405TS	**LM80192**	C/A	12,184	CCF4P100TS61YAP5	1267	230/460	224.0	94.5	1.15	32.62	C, US
100	1800	405T	**LM80035**	C/A	12,184	CCF4P100T62YAP5	1267	200/400	——	94.5	1.15	——	C, US
100	1800	405T	**LM80094**	√	12,184	CCF4P100T61YAP5	1267	230/460	224.0	94.5	1.15	37.12	C, US
125	3600	444TS	**LM80036**	C/A	17,122	CCF2P125TS6011PYAP5	1750	400	——	94.5	1.15	——	C, US
125	3600	444TS	**LM80095**	√	17,122	CCF2P125TS64PYAP5	1750	460	——	94.5	1.15	——	C, US
125	1800	444TS	**LM80193**	C/A	16,285	CCF4P125TS6011PYAP5	1805	400	167.0	94.5	1.15	39.60	C, US
125	1800	444TS	**LM80194**	C/A	16,285	CCF4P125TS64PYAP5	1805	460	142.0	94.5	1.15	37.60	C, US
125	1800	444T	**LM80037**	C/A	16,285	CCF4P125T6011PYAP5	1805	400	167.0	94.5	1.15	43.35	C, US
125	1800	444T	**LM80096**	√	16,285	CCF4P125T64PYAP5	1805	460	145.0	94.5	1.15	43.35	C, US

Shaded model numbers are cast iron frame

Continued On Next Page

▼ LM Numbers are Lincoln Models
* Full load amps at lowest listed voltage
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Pump Motors

Lincoln Fire Pump Motors - TEFC - Rigid Base

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
150	1800	445TS	**LM80195**	C/A	18,889	CCF4P150TS6011PYAP5	2116	400	——	95.0	1.15	——	C, US
150	1800	445TS	**LM80196**	C/A	18,889	CCF4P150TS64PYAP5	2116	460	170.0	95.0	1.15	39.60	C, US
150	1800	445T	**LM80039**	C/A	18,889	CCF4P150T6011PYAP5	2116	400	——	95.0	1.15	——	C, US
150	1800	445T	**LM80098**	√	18,889	CCF4P150T64PYAP5	2116	460	170.0	95.0	1.15	43.35	C, US
200	1800	445TS	**LM80197**	C/A	23,360	CCF4P200TS6011PYAP5	2311	400	——	95.4	1.15	——	C, US
200	1800	445TS	**LM80198**	C/A	23,360	CCF4P200TS64PYAP5	2311	460	——	95.4	1.15	——	C, US
200	1800	445T	**LM80041**	C/A	23,360	CCF4P200T6011PYAP5	2311	400	——	95.4	1.15	——	C, US
200	1800	445T	**LM80100**	C/A	23,360	CCF4P200T64PYAP5	2311	460	224.0	95.4	1.15	43.35	C, US
250	1800	449TS	**LM80199**	C/A	27,883	CC449F4P250TS6011PYAP5	2600	400	——	93.0	1.15	——	C, US
250	1800	449TS	**LM80200**	C/A	27,883	CC449F4P250TS64PYAP5	2600	460	326.0	93.0	1.15	48.09	C, US
250	1800	449T	**LM80043**	C/A	27,883	CC449F4P250T6011PYAP5	2600	400	——	95.4	1.15	——	C, US
250	1800	449T	**LM80102**	√	27,883	CC449F4P250T64PYAP5	2600	460	290.0	95.4	1.15	51.85	C, US
300	1800	449TS	**LM80201**	C/A	29,153	CCF4P300TS6011PYAP5	3041	400	374.0	93.0	1.15	48.09	C, US
300	1800	449TS	**LM80202**	C/A	29,153	CCF4P300TS64PYAP5	3041	460	335.0	93.0	1.15	48.09	C, US
300	1800	449T	**LM80045**	C/A	29,153	CCF4P300T6011PYAP5	3041	400	385.0	95.4	1.15	51.86	C, US
300	1800	449T	**LM80018**	√	29,153	CCF4P300T64PYAP5	3041	460	335.0	95.4	1.15	51.86	C, US
350	1800	449TS	**LM80203**	C/A	30,192	CCF4P350TS6011PYAP5	3202	400	——	93.0	1.15	——	C, US
350	1800	449TS	**LM80204**	C/A	30,192	CCF4P350TS64PYAP5	3202	460	400.0	93.0	1.15	48.09	C, US
350	1800	449T	**LM80047**	C/A	30,192	CCF4P350T6011PYAP5	3202	400	——	95.4	1.15	——	C, US
350	1800	449T	**LM80020**	C/A	30,192	CCF4P350T64PYAP5	3202	460	400.0	95.4	1.15	51.88	C, US
400	1800	5011L	**LM80049**	C/A	62,634	CC5011F4P400L6011PYAP5	5500	400	——	95.8	1.15	——	C, US
400	1800	449T	**LM80022†**	√	62,634	CC5011F4P400L64PYAP5	5500	460	448.0	95.8	1.15	51.85	C, US
450	1800	5011L	**LM80082**	C/A	64,388	CC5011F4P450L6011PYAP5	5500	400	——	95.8	1.15	——	C, US
450	1800	5011L	**LM80083±**	√	64,388	CC5011F4P450L64PYAP5	5500	460	495.0	95.8	1.15	70.94	C, US

Shaded model numbers are cast iron frame

▼ LM Numbers are Lincoln Models
C/A - Check Availability
† - 50HZ rated at 300HP
± - 50HZ rated at 350HP

♥ Note listing on inside back flap
Specifications are subject to change without notice

Specifications:

- Rolled steel and cast iron construction
- Rigid base construction
- 230/460 Volt
- IRIS® Inverter insulation system
- 575 Volt ratings available - contact your local sales office
- Higher HP SAE Pump motors available - contact your local sales office

Three Phase - TEFC - SAE Flange - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	Flange Type	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56YZ	**117813.00**	C/A	466	C6T34FZ47	2-Bolt SAE AA	208-230/460	2.0	72.0	1.15	8.67	S, US
1/2	3600	56YZ	**117925.00**	C/A	466	C6T34FZ48	4-Bolt SAE AA	208-230/460	2.0	72.0	1.15	8.67	S, US
1/2	3600	56YZ	**117926.00**	C/A	466	C6T34FZ49	2-Bolt SAE A	208-230/460	2.0	72.0	1.15	8.50	S, US
1/2	3600	56YZ	**117927.00**	C/A	466	C6T34FZ50	2-Bolt SAE B	208-230/460	2.0	72.0	1.15	8.93	S, US
1/2	1800	56YZ	**117814.00**	C/A	404	C6T17FZ97	2-Bolt SAE AA	208-230/460	2.0	74.0	1.15	8.67	S, US
1/2	1800	56YZ	**117928.00**	C/A	404	C6T17FZ100	4-Bolt SAE AA	208-230/460	2.0	74.0	1.15	8.67	S, US
1/2	1800	56YZ	**117929.00**	C/A	404	C6T17FZ101	2-Bolt SAE A	208-230/460	2.0	74.0	1.15	8.50	S, US
1/2	1800	56YZ	**117930.00**	C/A	404	C6T17FZ102	2-Bolt SAE B	208-230/460	2.0	74.0	1.15	8.93	S, US
3/4	3600	56YZ	**117815.00**	C/A	564	C6T34FZ51	2-Bolt SAE AA	208-230/460	2.4	75.5	1.15	8.67	S, US
3/4	3600	56YZ	**117931.00**	C/A	564	C6T34FZ55	4-Bolt SAE AA	208-230/460	2.4	75.5	1.15	8.67	S, US
3/4	3600	56YZ	**117932.00**	C/A	564	C6T34FZ56	2-Bolt SAE A	208-230/460	2.4	75.5	1.15	8.50	S, US
3/4	3600	56YZ	**117933.00**	C/A	564	C6T34FZ57	2-Bolt SAE B	208-230/460	2.4	75.5	1.15	8.93	S, US
3/4	1800	56YZ	**117816.00**	C/A	531	C6T17FZ98	2-Bolt SAE AA	208-230/460	2.8	77.0	1.15	9.17	S, US
3/4	1800	56YZ	**117934.00**	C/A	531	C6T17FZ104	4-Bolt SAE AA	208-230/460	2.8	77.0	1.15	9.17	S, US
3/4	1800	56YZ	**117935.00**	C/A	531	C6T17FZ105	2-Bolt SAE A	208-230/460	2.8	77.0	1.15	9.00	S, US
3/4	1800	56YZ	**117936.00**	C/A	531	C6T17FZ106	2-Bolt SAE B	208-230/460	2.8	77.0	1.15	9.43	S, US
1	3600	56YZ	**117817.00**	C/A	557	C6T34FZ52	2-Bolt SAE AA	208-230/460	3.2	77.0	1.15	8.67	S, US
1	3600	56YZ	**117937.00**	C/A	557	C6T34FZ58	4-Bolt SAE AA	208-230/460	3.2	77.0	1.15	8.67	S, US
1	3600	56YZ	**117938.00**	C/A	557	C6T34FZ59	2-Bolt SAE A	208-230/460	3.2	77.0	1.15	9.00	S, US
1	3600	56YZ	**117939.00**	C/A	557	C6T34FZ60	2-Bolt SAE B	208-230/460	3.2	77.0	1.15	9.93	S, US
1	1800	56YZ	**119752.00**	C/A	797	C6T17FZ127	2-Bolt SAE AA	208-230/460	——	85.5	1.15	——	S, US
1	1800	56YZ	**119753.00**	C/A	797	C6T17FZ128	4-Bolt SAE AA	208-230/460	——	85.5	1.15	——	S, US
1	1800	56YZ	**119466.00**	C/A	797	C6T17FZ129	2-Bolt SAE A	208-230/460	——	85.5	1.15	——	S, US
1	1800	56YZ	**119754.00**	C/A	797	C6T17FZ130	2-Bolt SAE B	208-230/460	——	85.5	1.15	——	S, US
1	1800	143YZ	**122313.00**	C/A	816	C143T17FZ6	2-Bolt SAE AA	208-230/460	——	85.5	1.15	——	S, US
1	1800	143YZ	**122314.00**	C/A	816	C143T17FZ7	4-Bolt SAE AA	208-230/460	——	85.5	1.15	——	S, US
1	1800	143YZ	**122315.00**	C/A	816	C143T17FZ8	2-Bolt SAE A	208-230/460	——	85.5	1.15	——	S, US
1	1800	143YZ	**122316.00**	C/A	816	C143T17FZ9	2-Bolt SAE B	208-230/460	——	85.5	1.15	——	S, US

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Green items are Premium Efficient

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♥ Note listing on inside back flap
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Hydraulic SAE Pump Motors

Three Phase - TEFC - SAE Flange - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	Flange Type	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	182TYZ	**132356.00**	D	1,145	C182T34FZ8	2-Bolt SAE A	208-230/460	7.8	84.0	1.15	11.96	S, MX
3	3600	182TYZ	**132549.00**	C/A	1,250	C182T34FZ11	2-Bolt SAE A	208-230/460	——	86.5	1.15	——	S, MX
3	3600	182TYZ	**132357.00**	D	1,145	C182T34FZ9	2-Bolt SAE B	208-230/460	7.8	84.0	1.15	12.21	S, MX
3	3600	182TYZ	**132550.00**	C/A	1,250	C182T34FZ12	2-Bolt SAE B	208-230/460	——	86.5	1.15	——	S, MX
3	1800	182TYZ	**132346.00**	D	1,120	C182T17FZ17	2-Bolt SAE AA	208-230/460	8.6	87.5	1.15	12.04	S, MX
3	1800	182TYZ	**132551.00**	C/A	1,250	C182T17FZ21	2-Bolt SAE AA	208-230/460	——	89.5	1.15	12.04	S, MX
3	1800	182TYZ	**132552.00**	C/A	1,250	C182T17FZ22	2-Bolt SAE A	208-230/460	——	89.5	1.15	11.96	S, MX
3	1800	182TYZ	**132553.00**	C/A	1,250	C182T17FZ23	2-Bolt SAE B	208-230/460	——	89.5	1.15	12.21	S, MX
5	3600	184TYZ	**132347.00**	D	1,266	C184T34FZ4	2-Bolt SAE AA	208-230/460	12.0	87.5	1.15	12.04	S, MX
5	3600	184TYZ	**132554.00**	C/A	1,382	C184T34FZ7	2-Bolt SAE AA	208-230/460	——	88.5	1.15	——	S, MX
5	3600	184TYZ	**132362.00**	D	1,266	C184T34FZ5	2-Bolt SAE A	208-230/460	12.0	87.5	1.15	11.96	S, MX
5	3600	184TYZ	**132555.00**	C/A	1,382	C184T34FZ8	2-Bolt SAE A	208-230/460	——	88.5	1.15	——	S, MX
5	3600	184TYZ	**132363.00**	D	1,266	C184T34FZ6	2-Bolt SAE B	208-230/460	12.0	87.5	1.15	12.21	S, MX
5	3600	184TYZ	**132556.00**	C/A	1,382	C184T34FZ9	2-Bolt SAE B	208-230/460	——	88.5	1.15	——	S, MX
5	1800	184TYZ	**132557.00**	C/A	1,306	C184T17FZ41	2-Bolt SAE AA	208-230/460	——	89.5	1.15	——	S, MX
5	1800	184TYZ	**132558.00**	C/A	1,306	C184T17FZ42	2-Bolt SAE A	208-230/460	——	89.5	1.15	——	S, MX
5	1800	184TYZ	**132559.00**	C/A	1,306	C184T17FZ43	2-Bolt SAE B	208-230/460	——	89.5	1.15	——	S, MX
7 1/2	3600	213TYZ	**141156.00**	D	2,276	C213T34FZ1	2-Bolt SAE AA	208-230/460	18.4	88.5	1.15	17.22	S, MX
7 1/2	3600	213TYZ	**141336.00**	C/A	2,486	C213T34FZ7	2-Bolt SAE AA	208-230/460	——	89.5	1.15	——	S, MX
7 1/2	3600	213TYZ	**141337.00**	C/A	2,486	C213T34FZ8	2-Bolt SAE A	208-230/460	——	89.5	1.15	——	S, MX
7 1/2	3600	213TYZ	**141171.00**	D	2,276	C213T34FZ3	2-Bolt SAE B	208-230/460	18.4	88.5	1.15	17.18	S, MX
7 1/2	3600	213TYZ	**141342.00**	C/A	2,486	C213T34FZ9	2-Bolt SAE B	208-230/460	——	89.5	1.15	——	S, MX
7 1/2	1800	213TYZ	**141343.00**	C/A	2,409	C213T17FZ7	2-Bolt SAE AA	208-230/460	——	91.7	1.15	——	S, MX
7 1/2	1800	213TYZ	**141173.00**	D	2,206	C213T17FZ2	2-Bolt SAE A	208-230/460	20.0	89.5	1.15	17.05	S, MX
7 1/2	1800	213TYZ	**141344.00**	C/A	2,409	C213T17FZ8	2-Bolt SAE A	208-230/460	——	91.7	1.15	——	S, MX
7 1/2	1800	213TYZ	**141174.00**	D	2,206	C213T17FZ3	2-Bolt SAE B	208-230/460	20.0	89.5	1.15	17.18	S, MX
7 1/2	1800	213TYZ	**141338.00**	C/A	2,409	C213T17FZ9	2-Bolt SAE B	208-230/460	——	91.7	1.15	——	S, MX

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LEESON®

Three Phase - TEFC - SAE Flange - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	Flange Type	Voltage	F. L. Amps @ 230 V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
10	3600	215TYZ	**141158.00**	D	2,558	C215T34FZ1	2-Bolt SAE AA	208-230/460	24.0	89.5	1.15	17.22	S, MX
10	3600	215TYZ	**141339.00**	√	2,781	C215T34FZ7	2-Bolt SAE AA	208-230/460	——	90.2	1.15		S, MX
10	3600	215TYZ	**141176.00**	D	2,558	C215T34FZ2	2-Bolt SAE A	208-230/460	24.0	89.5	1.15	17.05	S, MX
10	3600	215TYZ	**141340.00**	√	2,781	C215T34FZ8	2-Bolt SAE A	208-230/460	——	90.2	1.15		S, MX
10	3600	215TYZ	**141345.00**	√	2,781	C215T34FZ9	2-Bolt SAE B	208-230/460	——	90.2	1.15	——	S, MX
10	1800	215TYZ	**141159.00**	D	2,307	C215T17FZ5	2-Bolt SAE AA	208-230/460	26.0	89.5	1.15	17.22	S, MX
10	1800	215TYZ	**141346.00**	√	2,509	C215T17FZ11	2-Bolt SAE AA	208-230/460	——	91.7	1.15	——	S, MX
10	1800	215TYZ	**141179.00**	D	2,307	C215T17FZ6	2-Bolt SAE A	208-230/460	26.0	89.5	1.15	17.05	S, MX
10	1800	215TYZ	**141347.00**	√	2,509	C215T17FZ12	2-Bolt SAE A	208-230/460	——	91.7	1.15	——	S, MX
10	1800	215TYZ	**141180.00**	D	2,307	C215T17FZ7	2-Bolt SAE B	208-230/460	26.0	89.5	1.15	17.18	S, MX
10	1800	215TYZ	**141341.00**	√	2,509	C215T17FZ13	2-Bolt SAE B	208-230/460	——	91.7	1.15	——	S, MX
15	3600	254TYZ	**851110.00**	C/A	5,317	——	2-Bolt SAE A	208-230/460	——	91.0	1.15	——	C, US
15	3600	254TYZ	**851111.00**	C/A	5,247	——	2&4 Bolt SAE B	208-230/460	——	91.0	1.15	——	C, US
15	3600	254TYZ	**851112.00**	C/A	5,140	——	2&4 Bolt SAE BB	208-230/460	——	91.0	1.15	——	C, US
15	3600	254TYZ	**851113.00**	C/A	5,317	——	2&4 Bolt SAE C	208-230/460	——	91.0	1.15	——	C, US
15	1800	254TYZ	**851041.00**	C/A	4,085	——	2-Bolt SAE A	208-230/460	——	92.4	1.15	——	C, US
15	1800	254TYZ	**851114.00**	C/A	4,085	——	2&4 Bolt SAE B	208-230/460	——	92.4	1.15	——	C, US
15	1800	254TYZ	**851115.00**	C/A	4,085	——	2&4 Bolt SAE BB	208-230/460	——	92.4	1.15	——	C, US
15	1800	254TYZ	**851116.00**	C/A	4,085	——	2&4 Bolt SAE C	208-230/460	——	92.4	1.15	——	C, US
20	3600	256TYZ	**851117.00**	C/A	5,610	——	2-Bolt SAE A	208-230/460	——	91.0	1.15	——	C, US
20	3600	256TYZ	**851118.00**	C/A	5,610	——	2&4 Bolt SAE B	208-230/460	——	91.0	1.15	——	C, US
20	3600	256TYZ	**851119.00**	C/A	5,610	——	2&4 Bolt SAE BB	208-230/460	——	91.0	1.15	——	C, US
20	3600	256TYZ	**851120.00**	C/A	5,610	——	2&4 Bolt SAE C	208-230/460	——	91.0	1.15	——	C, US
20	1800	256TYZ	**851042.00**	C/A	4,641	——	2-Bolt SAE A	208-230/460	——	93.0	1.15	——	C, US
20	1800	256TYZ	**851121.00**	C/A	4,641	——	2&4 Bolt SAE B	208-230/460	——	93.0	1.15	——	C, US
20	1800	256TYZ	**851122.00**	C/A	4,641	——	2&4 Bolt SAE BB	208-230/460	——	93.0	1.15	——	C, US
20	1800	256TYZ	**851123.00**	C/A	4,641	——	2&4 Bolt SAE C	208-230/460	——	93.0	1.15	——	C, US
25	3600	284TYZ	**851124.00**	C/A	5,680	——	2-Bolt SAE A	208-230/460	——	91.7	1.15	——	C, US
25	3600	284TYZ	**851125.00**	C/A	5,680	——	2&4 Bolt SAE B	208-230/460	——	91.7	1.15	——	C, US
25	3600	284TYZ	**851126.00**	C/A	5,680	——	2&4 Bolt SAE BB	208-230/460	——	91.7	1.15	——	C, US
25	3600	284TYZ	**851127.00**	C/A	5,680	——	2&4 Bolt SAE C	208-230/460	——	91.7	1.15	——	C, US
25	1800	284TYZ	**851128.00**	C/A	5,260	——	2-Bolt SAE A	208-230/460	——	93.6	1.15	——	C, US
25	1800	284TYZ	**851129.00**	C/A	5,260	——	2&4 Bolt SAE B	208-230/460	——	93.6	1.15	——	C, US
25	1800	284TYZ	**851130.00**	C/A	5,260	——	2&4 Bolt SAE BB	208-230/460	——	93.6	1.15	——	C, US
25	1800	284TYZ	**851131.00**	C/A	5,260	——	2&4 Bolt SAE C	208-230/460	——	93.6	1.15	——	C, US
30	3600	286TYZ	**850794.00**	C/A	6,095	286TTFNA17005	2-Bolt SAE A	208-230/460	67.0	93.0	1.15	25.35	C, US
30	3600	286TYZ	**851132.00**	C/A	6,095	——	2&4 Bolt SAE B	208-230/460	——	93.0	1.15	——	C, US
30	3600	286TYZ	**851133.00**	C/A	6,095	——	2&4 Bolt SAE BB	208-230/460	——	93.0	1.15	——	C, US
30	3600	286TYZ	**851134.00**	C/A	6,095	——	2&4 Bolt SAE C	208-230/460	——	93.0	1.15	——	C, US
30	1800	286TYZ	**850795.00**	C/A	5,123	286TTFNA17055	2-Bolt SAE A	208-230/460	73.0	94.1	1.15	25.35	C, US
30	1800	286TYZ	**850841.00**	C/A	5,123	286TTFNA17058	2&4 Bolt SAE B	208-230/460	73.0	94.1	1.15	25.35	C, US
30	1800	286TYZ	**850842.00**	C/A	5,123	286TTFNA17057	2&4 Bolt SAE BB	208-230/460	73.0	94.1	1.15	25.35	C, US
30	1800	286TYZ	**821135.00**	C/A	5,123	——	2&4 Bolt SAE C	208-230/460	——	94.1	1.15	——	C, US

Shaded model numbers are cast iron frame

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Green items are Premium Efficient

Note - 254T frame and larger - 2 & 4 bolt B flange has a 13 teeth internal spline
Note - 254T frame and larger - 2 & 4 bolt BB flange has a 15 teeth internal spline
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Hydraulic SAE Pump Motors

Three Phase - TEFC - SAE Flange - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	Flange Type	Voltage	*F. L. Amps	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
40	3600	324TYZ	**851136.00**	C/A	7,304	————	2-Bolt SAE A	208-230/460	——	92.4	1.15	——	C, US
40	3600	324TYZ	**851137.00**	C/A	7,235	————	2&4 Bolt SAE B	208-230/460	——	92.4	1.15	——	C, US
40	3600	324TYZ	**851138.00**	C/A	7,129	————	2&4 Bolt SAE BB	208-230/460	——	92.4	1.15	——	C, US
40	3600	324TYZ	**851139.00**	C/A	7,304	————	2&4 Bolt SAE C	208-230/460	——	92.4	1.15	——	C, US
40	1800	324TYZ	**851140.00**	C/A	5,707	————	2-Bolt SAE A	208-230/460	——	94.1	1.15	——	C, US
40	1800	324TYZ	**851043.00**	C/A	5,707	————	2&4 Bolt SAE B	208-230/460	——	94.1	1.15	——	C, US
40	1800	324TYZ	**851141.00**	C/A	5,707	————	2&4 Bolt SAE BB	208-230/460	——	94.1	1.15	——	C, US
40	1800	324TYZ	**851142.00**	C/A	5,707	————	2&4 Bolt SAE C	208-230/460	——	94.1	1.15	——	C, US
50	3600	326TYZ	**850798.00**	C/A	7,130	326TTFPA17009	2-Bolt SAE A	208-230/460	90	93.0	1.15	27.58	C, US
50	3600	326TYZ	**811130.00**	C/A	7,579	————	2&4 Bolt SAE B	208-230/460	——	93.0	1.15	——	C, US
50	3600	326TYZ	**811131.00**	C/A	7,472	————	2&4 Bolt SAE BB	208-230/460	——	93.0	1.15	——	C, US
50	3600	326TYZ	**811132.00**	C/A	7,645	————	2&4 Bolt SAE C	208-230/460	——	93.0	1.15	——	C, US
50	1800	326TYZ	**811139.00**	C/A	6,968	————	2-Bolt SAE A	208-230/460	——	94.5	1.15	——	C, US,♗
50	1800	326TYZ	**811133.00**	C/A	6,968	————	2&4 Bolt SAE B	208-230/460	——	94.5	1.15	——	C, US,♗
50	1800	326TYZ	**811134.00**	C/A	6,968	————	2&4 Bolt SAE BB	208-230/460	——	94.5	1.15	——	C, US,♗
50	1800	326TYZ	**811135.00**	C/A	6,968	————	2&4 Bolt SAE C	208-230/460	——	94.5	1.15	——	C, US,♗

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
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Green items are Premium Efficient

♗ - 2:1 Constant torque, all others are 10:1 constant torque
Note - 254T frame and larger - 2 & 4 bolt B flange has a 13 teeth internal spline
Note - 254T frame and larger - 2 & 4 bolt BB flange has a 15 teeth internal spline
C/A - Check Availability
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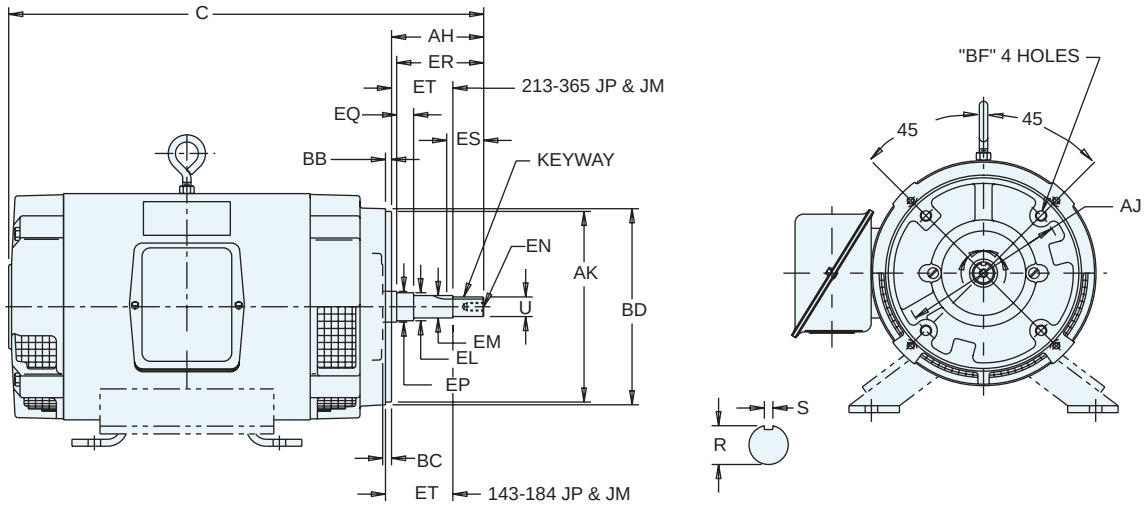
SAE Pump Pad Kits and Bushing Kits

Kit Catalog Number	254 - 449 Frame Kits	Lead Time (days)	List Price
174341.00	Kit - SAE (A)	30	405
174342.00	Kit - SAE (B)	30	346
174344.00	Kit - SAE (C)	30	249
174345.00	Kit Bushing SAE (A)	30	154
174346.00	Kit Bushing SAE (B)	30	154
174347.00	Kit Bushing SAE (BB)	30	154
174348.00	Kit Bushing SAE (C)	30	154

Typical Close Coupled Pump Motors



Dimensions for Type JM

Frame Desig.	U	AH	AJ	AK	BB	BD Max.	BF No.	BF Tap Size	BF Bolt Pen. Allow.	EL	EM	EN Tap Size	EN Tap Drill Depth Max.	EN Bolt Pen. Allow.	EP Min.	EQ	ER Min.	Keyseat R	Keyseat ES Min.	Keyseat S	ET
143 &	0.8745	4.15	5.890	4.500	0.150	6.62	4	3/8-16	0.56	1.156	1.0000	3/8-16	1.12	0.75	1.156	0.640	4.25	0.771	1.65	0.190	2.890
145JM	0.8740	4.10	5.860	4.497	0.10					1.154	0.9995					0.610		0.756		0.188	2.860
182 &	0.8745	4.13	5.89	4.500	0.16	6.62	4	3/8-16	0.56	1.250	1.0000	3/8-16	1.12	0.75	1.250	0.640	4.25	0.771	1.65	0.190	2.890
184JM	0.8740	4.09	5.86	4.497	0.125					1.248	0.9995					0.610		0.756		0.188	2.860
213 &	0.8750	4.25	7.265	8.500	0.312	9.00	4	1/2-13	0.75	1.250	1.0000	3/8-16	1.12	0.75	1.750	0.640	4.25	0.771	1.65	0.190	2.890
215JM	0.8745		7.235	8.497	0.250					1.248	0.9995					0.610		0.756		0.188	2.860
254 &	1.2495	5.25	7.250	8.500	0.312	10.00	4	1/2-13	0.75	1.750	1.3750	1/2-13	1.50	1.00	1.750	0.640	5.25	1.112	2.53	0.252	3.015
256JM	1.2490			8.497	0.250					1.748	1.3745					0.610		1.097		0.250	2.985
284 &	1.2495	5.281	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	0.645	5.25	1.112	2.53	0.252	3.020
286JM	1.2490	5.219		12.495	0.250					1.748	1.3745					0.605		1.097		0.250	2.980
324 &	1.2495	5.281	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	0.645	5.25	1.112	2.53	0.252	3.020
326JM	1.2490	5.219		12.495	0.250					1.478	1.3745					0.605		1.097		0.250	2.980

Dimensions for Type JP

Frame Desig.	U	AH	AJ	AK	BB	BD Max.	BF No.	BF Tap Size	BF Bolt Pen. Allow.	EL	EM	EN Tap Size	EN Tap Drill Depth Max.	EN Bolt Pen. Allow.	EP Min.	EQ	ER Min.	Keyseat R	Keyseat ES Min.	Keyseat S	ET
143 &	0.8745	7.19	5.890	4.500	0.156	6.62	4	3/8-16	0.56	1.156	1.0000	3/8-16	1.12	0.75	1.156	1.578	7.312	0.771	1.65	0.190	5.952
145JP	0.8740	7.15	5.860	4.497	0.125					1.154	0.9995					1.548		0.756	1.65	0.188	5.922
182 &	0.8745	7.21	5.890	4.500	0.156	6.62	4	3/8-16	0.56	1.250	1.0000	3/8-16	1.12	0.75	1.250	1.578	7.312	0.771	1.65	0.190	5.952
184JP	0.8740	7.15	5.860	4.497	0.100					1.248	0.9995					1.548		0.756		0.188	5.922
213 &	1.2495	8.12	7.250	8.500	0.312	9.00	4	1/2-13	0.75	1.750	1.3750	1/2-13	1.50	1.00	1.750	2.390	8.125	1.112	2.53	0.252	5.890
215JP	1.2490			8.497	0.250					1.748	1.3745					2.360		1.097		0.250	5.860
254 &	1.2495	8.156	7.250	8.500	0.312	10.00	4	1/2-13	0.75	1.750	1.3750	1/2-13	1.50	1.00	1.750	2.390	8.125	1.112	2.53	0.252	5.890
256JP	1.2490	8.094		8.497	0.250					1.748	1.3745					2.360		1.097		0.250	5.855
284 &	1.2495	8.156	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	2.390	8.125	1.112	2.53	0.252	5.895
286JP	1.2490	8.094		12.495	0.250					1.748	1.3745					2.360		1.097		0.250	5.860
324JP &	1.2495	8.12	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	2.395	8.125	1.112	2.53	0.252	5.895
326JP	1.2490			12.495	0.250					1.748	1.3745					2.355		1.097		0.250	5.855
364JP &	1.6245	8.12	11.00	12.500	0.312	14.00	4	5/8-11	0.94	2.125	1.7500	1/2-13	1.50	1.00	2.500	2.395	8.125	1.416	2.53	0.377	5.895
365JP	1.6240			12.495	0.250					2.13	1.7495					2.355		1.401		0.375	5.855

All dimensions are measured in inches. For "C" dimensions, refer to the appropriate catalog page.
Certified drawings are available upon request - contact LEESON® for details.

Washguard® Motors

- USDA-approved white epoxy finish
- Stainless steel motors
- Encapsulated stainless steel motors available
- NEMA® and IEC flange motors
- Three phase, single phase and DC washdown duty motors
- AC and DC washdown gearmotors
- Rigid base and C face mount types
- BISSC approved designs
- Double lip contact seals and v-ring seals used for shaft seals
- 3-year warranty on encapsulated and premium efficient models
- Washdown brakemotors and pump motors available
- UL recognized and CSA certified

Applications:
Designed to meet the demanding washdown conditions that you may find in food processing plants, chemical processing, pharmaceutical plants and the beverage and brewing industries.

NEMA is a trademark of National Electrical Manufacturers Corporation. All Rights Reserved.

LEESON®

Premium StainlessDuck

Maximum service in critically clean or corrosive environments

- All exterior components of 300 series stainless steel
- Endshields o-ring sealed to frame
- IEEE 841 severe-duty features standard
- 3 phase designs meet IP56 enclosure protection
- AC, DC and IEC designs
- 1 phase designs meet IP55 enclosure protection
- (SGRs) shaft grounding rings

SSTDuck

Stainless Steel Tough for demanding washdown applications

- All exterior components of 300 series stainless steel, including motor frame, endshield and conduit box castings
- Moisture resistant sealant between frame and endbells
- Full-fact nameplate is laser-etched on the motor frame
- Four locations for T-drains provided on each endshield
- Meets IP55 enclosure protection

Washguard II Motors

Superior, extended life in severe environments

- Paint-free exterior—stainless frame and conduit box lid, specially processed endshields and conduit box housing
- Etched stainless steel nameplate
- Meets IP55 enclosure protection
- Three phase motors are suitable for use on VFDs

WhiteDuck

Enhanced performance in wet, humid areas

- Our original moisture-shedding "duck" motor
- USDA-approved white epoxy finish
- Stainless steel shaft, conduit box cover, nameplate, fan guard
- Four endshield drains
- Meets IP55 enclosure protection

ExtremeDuck® Ultra

Revolutionary designed stainless steel motors are built to be the last stainless steel washdown motors you will ever need!

- Total winding encapsulation using an epoxy resin
- All exterior components are 300-Series stainless steel
- (SRGs) shaft grounding rings
- Meets IP69K enclosure protection
- Pre-lubricated double-sealed bearings
- Full fact nameplate is laser etched

Washguard® Motors

WASHGUARD MOTORS ARE BUILT TO HANDLE HIGH-PRESSURE WASHDOWNS!*

Stainless-steel or white polypropylene fan guard on all Washguard frames.

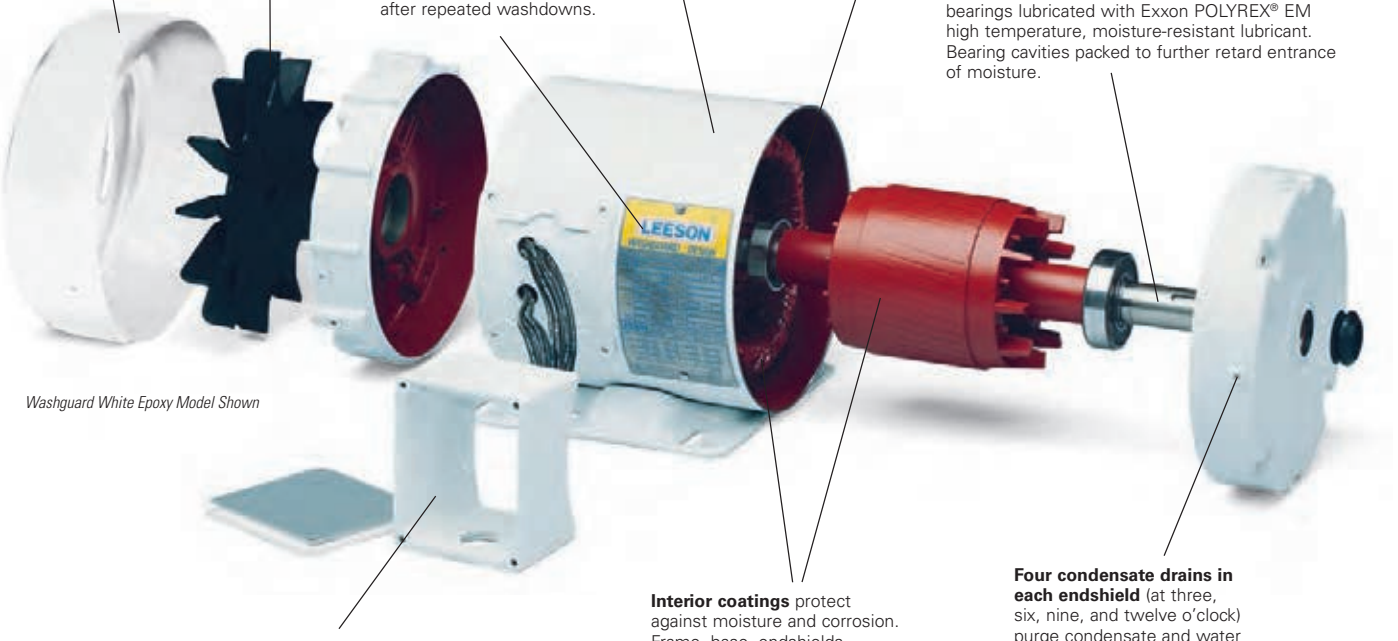
Composite fan is chemically-inert and static-free. Fan is positively positioned on shaft on TEFC designs only.

Stainless-steel, "full-fact" nameplate includes information on motor efficiency and connections. Readable even after repeated washdowns.

USDA-approved, white epoxy finish for superior protection and resistance to caustic cleaning solutions.

Encapsulated starting switch (single-phase Washguard motors) uses a patented, field-proven design that is immune to moisture, shock and vibration. No moving parts or exposed contacts to become corroded or inoperable.

Moisture-resistant shaft system includes 303 stainless-steel shaft and lubricated, spring-loaded contact seals in each endshield. Patented V-ring Forsheda seal on shaft end to deflect water (see inset). Double-sealed, oversized bearings lubricated with Exxon POLYREX® EM high temperature, moisture-resistant lubricant. Bearing cavities packed to further retard entrance of moisture.

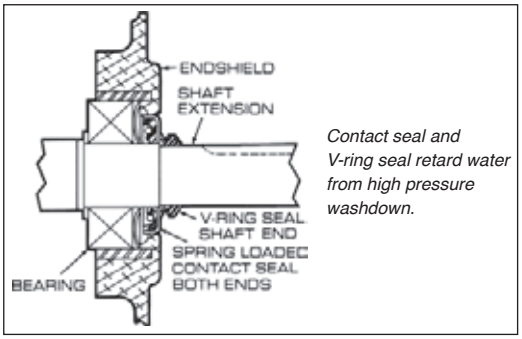


Washguard White Epoxy Model Shown

Cast, oversized conduit box with tough, high-temperature nitrile gaskets and stainless-steel cover and hardware. Oversized design with threaded entrance. All machined fits are sealed and nylon gaskets are used under bolt heads.

Interior coatings protect against moisture and corrosion. Frame, base, endshields, rotor, and interior components are protected by enamel and polyester compounds of outstanding adhesion and resistance to moisture, acids, alkalies, and oils. High temperature, moisture resistant IRIS® insulation system assures long life on inverter service. Windings are immersed and cured in polyester insulating compound.

Four condensate drains in each endshield (at three, six, nine, and twelve o'clock) purge condensate and water which may enter the motor.



Contact seal and V-ring seal retard water from high pressure washdown.

*** Also excellent for applications requiring a motor that is "tropicalized"!**

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LEESON®

Single Phase - TEFC - Rigid Base - Featuring Electronic Solid State Encapsulated Switch

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	**112431.00**	√	690	C6C17WB1	24	115/208-230	4.4	1.15	10.81	S, US
3/4	1800	56	**112432.00**	√	812	C6C17WB2	31	115/208-230	5.4	1.15	11.31	S, US
1	1800	56	**112626.00**	√	930	C6C17WB3	33	115/208-230	6.4	1.15	11.81	S, US
1	1800	143T	**120589.00**	√	930	N143C17WB1	34	115/208-230	6.4	1.15	12.25	S, US
1 1/2	1800	145T	**120590.00**	√	1,184	C145C17WB1	47	115/208-230	9.5	1.15	13.75	S, US
2	1800	182T	**131571.00**	C/A	1,717	C182C17WB3	60	115/208-230	12.6	1.15	13.46	S, MX

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - C Face With Base - Featuring Electronic Solid State Encapsulated Switch

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	**113580.00**	√	681	C6C34WK2	27	115/208-230	2.6	1.15	10.69	S, US
1/3	1800	56C	**112526.00**	√	690	C6C17WK2	28	115/208-230	3.2	1.15	10.69	S, US
1/2	3600	56C	**113581.00**	√	690	C6C34WK3	25	115/208-230	3.6	1.15	10.69	S, US
1/2	1800	56C	**112527.00**	√	715	C6C17WK3	28	115/208-230	4.4	1.15	11.19	S, US
3/4	3600	56C	**113582.00**	√	700	C6C34WK4	31	115/208-230	5.0	1.15	11.69	S, US
3/4	1800	56C	**112528.00**	√	811	C6C17WK4	30	115/208-230	5.4	1.15	11.69	S, US
1	3600	56C	**113583.00**	√	702	C6C34WK6	31	115/208-230	6.0	1.15	12.19	S, US
1	1800	56C	**112529.00**	√	933	C6C17WK5	33	115/208-230	6.4	1.15	12.19	S, US
1 1/2	3600	56C	**113584.00**	√	1027	C6C34WK5	36	115/208-230	8.5	1.15	12.69	S, US
1 1/2	1800	56HC	**113300.00**	√	1,188	C6C17WK6	45	115/208-230	9.5	1.15	13.69	S, US
2	3600	56HC	**114637.00**	√	1,184	C6C34WK9	43	115/208-230	10.0	1.00	13.69	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - C Face Less Base - Featuring Electronic Solid State Encapsulated Switch

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	**114310.00**	√	677	C6C34WC2	25	115/208-230	2.6	1.15	10.69	S, US
1/3	1800	56C	**114311.00**	√	687	C6C17WC2	27	115/208-230	3.2	1.15	10.69	S, US
1/2	3600	56C	**114312.00**	√	687	C6C34WC3	25	115/208-230	3.6	1.15	10.69	S, US
1/2	1800	56C	**114313.00**	√	705	C6C17WC3	29	115/208-230	4.4	1.15	11.19	S, US
3/4	3600	56C	**114314.00**	√	690	C6C34WC4	31	115/208-230	5.0	1.15	11.69	S, US
3/4	1800	56C	**114315.00**	√	815	C6C17WC4	31	115/208-230	5.4	1.15	11.69	S, US
1	3600	56C	**114316.00**	√	695	C6C34WC5	29	115/208-230	6.0	1.15	12.19	S, US
1	1800	56C	**114317.00**	√	924	C6C17WC5	34	115/208-230	6.4	1.15	12.19	S, US
1 1/2	3600	56C	**114318.00**	√	1026	C6C34WC6	36	115/208-230	8.5	1.15	12.69	S, US
1 1/2	1800	56C	**114319.00**	√	1,184	C6C17WC6	43	115/208-230	9.5	1.15	13.69	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

White Epoxy Painted - Three Phase

Three Phase - TENV and TEFC C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	56C	**113649.00**	√	661	C6T17VC5	19	208-230/460	1.1	68.0	1.15	9.56	S, US, 12
1/3	3600	56C	**116640.00**	√	682	C6T34VC16	19	208-230/460	1.1	77.0	1.15	10.08	S, US, 12
1/3	1800	56C	**113954.00**	√	702	C6T17VC6	19	208-230/460	1.3	72.0	1.15	9.56	S, US, 12
1/3	1800	56C	**116642.00**	√	702	C6T17WC23	19	208-230/460	1.7	68.0	1.15	10.69	S, US, 13
1/2	3600	56C	**116643.00**	√	704	C6T34VC17	22	208-230/460	1.6	82.5	1.15	10.06	S, US, 12
1/2	1800	56C	**113473.00**	√	723	C6T17VC4	22	208-230/460	1.8	78.5	1.15	10.06	S, US, 12
1/2	1800	56C	**116644.00**	√	723	C6T17WC24	22	208-230/460	2.0	74.0	1.15	11.19	S, US, 13
3/4	3600	56C	**113022.00**	√	733	C6T34VC1	23	208-230/460	2.4	84.0	1.15	11.06	S, US, 12
3/4	1800	56C	**113019.00**	√	838	C6T17VC1	28	208-230/460	2.5	80.0	1.15	10.56	S, US, 12
3/4	1800	56C	**116645.00**	√	838	C6T17FC204	28	208-230/460	2.8	77.0	1.15	11.69	S, US, 13
1	3600	56C	**113023.00**	√	854	C6T34VC2	35	208-230/460	2.6	85.5	1.15	11.56	S, US, 12
1	1800	56C	**113020.00**	D	874	C6T17VC2	32	208-230/460	3.2	80.0	1.15	11.56	S, US, 12
1	1800	56C	**119468.00**	√	936	C6T17WC380	37	208-230/460	3.2	85.5	1.15	12.87	S, US, 13
1	1800	143TC	**122179.00**	√	952	C143T17WC130	45	208-230/460	3.2	85.5	1.15	12.93	S, US, 13
1 1/2	3600	56C	**113024.00**	√	906	C6T34VC3	42	208-230/460	3.8	84.0	1.15	12.56	S, US, 12
1 1/2	1800	56C	**119469.00**	√	963	C6T17WC51	50	208-230/460	4.8	86.5	1.15	13.37	S, US, 13
1 1/2	1800	145TC	**122180.00**	√	972	C145T17WC42	53	208-230/460	4.8	86.5	1.15	13.43	S, US, 13
2	3600	56C	**119472.00**	√	1,139	C6T34WC27	51	208-230/460	4.8	85.5	1.00	13.37	S, US, 13
2	3600	145TC	**122183.00**	√	1,172	C145T34WC22	50	208-230/460	4.8	85.5	1.15	13.43	S, US, 13
2	1800	56C	**114616.00**	D	1,063	C6T17WC12	48	208-230/460	6.2	81.5	1.15	12.69	S, US, 13
2	1800	56C	**119471.00**	√	1,158	C6T17WC383	52	208-230/460	5.8	86.5	1.15	13.87	S, US, 13
2	1800	145TC	**122182.00**	√	1,204	C145T17WC131	52	208-230/460	5.8	86.5	1.15	13.93	S, US, 13
3	3600	56C	**119473.00**	√	1,425	C6T34WC28	45	208-230/460	8.0	86.5	1.15	13.62	S, US, 13
3	3600	145TC	**122184.00**	√	1,451	C145T34WC23	53	208-230/460	8.0	86.5	1.15	13.68	S, US, 13
3	1800	182TC	**132439.00**	√	1,610	C182T17WC13	85	208-230/460	7.8	89.5	1.15	14.47	S, US, 13
5	3600	184TC	**G131595.00**	D	1,905	C184T34WC7	75	208-230/460	12.0	87.5	1.15	14.47	S, US, 13
5	3600	184TC	**132441.00**	√	1,905	C184T34WC10	85	208-230/460	12.0	88.5	1.15	14.97	S, US, 13
5	1800	184TC	**132440.00**	√	1,857	C184T17WC10	101	208-230/460	12.6	89.5	1.15	15.47	S, US, 13
7 1/2	3600	S213TC	**G131594.00**	D	2,361	C184T34WC6	102	208-230/460	16.8	88.5	1.00	17.47	S, US, 13
7 1/2	3600	213TC	**141267.00**	√	2,341	C213T17WC5	130	208-230/460	18.6	89.5	1.00	18.77	S, US, 13
7 1/2	1800	213TC	**141266.00**	√	2,351	C213T17WC4	152	208-230/460	19.6	91.7	1.15	18.77	S, US, 13
10	3600	215TC	**G140737.00**	D	2,805	C215T34WC2	170	208-230/460	24.0	89.5	1.15	20.57	S, US, 13
10	3600	215TC	**141269.00**	√	2,830	C215T34WC5	170	208-230/460	23.6	90.2	1.15	20.27	S, US, 13
10	1800	215TC	**141268.00**	√	2,814	C215T17WC4	180	208-230/460	26.4	91.7	1.15	20.27	S, US, 13
15	3600	215TC	**G140738.00**	D	3,452	C215T34WC4	140	208-230/460	36.0	90.2	1.15	20.57	S, US, 13
15	3600	215TC	**141357.00**	√	3,495	C215T34WC8	140	208-230/460	35.0	91.0	1.15	20.58	S, US, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	**112427.00**	√	711	C6T17WB6	24	208-230/460	2.0	74.0	1.15	10.81	S, US
3/4	1800	56	**112428.00**	√	742	C6T17WB7	27	208-230/460	2.8	77.0	1.15	10.81	S, US
1	1800	56	**119475.00**	√	960	C6T17WB18	31	208-230/460	3.2	85.5	1.15	12.25	S, US
1	1800	143T	**121865.00**	√	981	C143T17WB4	35	208-230/460	3.1	85.5	1.15	12.75	S, US
1 1/2	1800	145T	**121869.00**	√	983	C145T17WB23	51	208-230/460	4.4	86.5	1.15	12.75	S, US
2	1800	145T	**121866.00**	√	1,222	C145T17WB22	46	208-230/460	5.6	86.5	1.15	13.75	S, US
3	3600	182T	**132388.00**	C/A	1,673	C182T34WB1	69	208-230/460	7.6	86.5	1.25	13.96	S, MX
3	1800	182T	**132196.00**	√	1,641	C182T17WB10	69	208-230/460	8.2	89.5	1.15	13.96	S, MX
5	3600	184T	**132202.00**	√	1,877	C184T34WB5	75	208-230/460	12.0	88.5	1.25	14.46	S, MX
5	1800	184T	**132197.00**	√	1,877	C184T17WB8	85	208-230/460	13.0	89.5	1.15	14.96	S, MX
7 1/2	3600	184T	**132306.00**	C/A	2,341	C184T34WB6	87	208-230/460	16.8	89.5	1.15	15.96	S, MX
7 1/2	3600	S213T	**132204.00**	C/A	2,341	C184T34WB6	87	208-230/460	16.8	89.5	1.15	16.59	S, MX
7 1/2	1800	213T	**140819.00**	√	2,382	C213T17WB6	131	208-230/460	20.4	91.7	1.25	17.21	S, MX
10	1800	215T	**140820.00**	√	2,849	C215T17WB5	165	208-230/460	26.0	91.7	1.25	18.71	S, MX

Green items are Premium Efficient
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

White Epoxy Painted - Three Phase

Three Phase - TENV and TEFC C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	56C	**112523.00**	√	665	C6T17WK8	21	208-230/460	1.1	67.0	1.15	10.69	S, US, 13
1/3	3600	56C	**116641.00**	C/A	704	C6T34VK15	22	208-230/460	1.1	77.0	1.15	10.08	S, US, 12
1/3	1800	56C	**112547.00**	√	732	C6T17WK9	22	208-230/460	1.7	68.0	1.15	10.69	S, US, 13
1/2	3600	56C	**113588.00**	√	663	C6T34VK3	26	208-230/460	1.5	82.5	1.15	10.58	S, US, 12
1/2	1800	56C	**113586.00**	√	742	C6T17VK2	23	208-230/460	1.8	78.5	1.15	10.06	S, US, 12
1/2	1800	56C	**112429.00**	√	742	C6T17WK1	22	208-230/460	2.0	74.0	1.15	11.19	S, US, 13
1/2	1200	56C	**115743.00**	√	928	C6T11VK1	24	208-230/460	2.3	77.0	1.15	11.56	S, US, 12
3/4	3600	56C	**113589.00**	√	728	C6T34VK2	24	208-230/460	2.4	84.0	1.15	11.08	S, US, 12
3/4	1800	56C	**113587.00**	√	859	C6T17VK1	30	208-230/460	2.5	80.0	1.15	10.56	S, US, 12
3/4	1800	56C	**112430.00**	√	859	C6T17WK2	26	208-230/460	2.8	77.0	1.15	11.19	S, US, 13
3/4	1200	56HC	**115744.00**	√	1,009	C6T11VK2	25	208-230/460	3.0	78.5	1.15	13.06	S, US, 12
1	3600	56C	**113590.00**	√	852	C6T34VK4	34	208-230/460	2.6	85.5	1.15	11.58	S, US, 12
1	1800	56H	**119476.00**	√	993	C6T17WK44	35	208-230/460	3.2	85.5	1.15	12.87	S, US, 13
1	1800	143TC	**121867.00**	√	1,031	C143T17WK11	37	208-230/460	3.2	85.5	1.15	13.25	S, US, 13
1	1200	56HC	**119478.00**	√	1,241	C6T11WK11	45	208-230/460	3.8	82.5	1.15	13.37	S, US, 13
1 1/2	3600	56C	**113591.00**	√	939	C6T34VK5	44	208-230/460	3.8	84.0	1.15	12.56	S, US, 12
1 1/2	1800	145TC	**121871.00**	√	1,074	C145T17WK31	53	208-230/460	4.8	86.5	1.15	13.25	S, US, 13
1 1/2	1800	56C	**119480.00**	√	1,142	C6T17WK45	45	208-230/460	4.8	86.5	1.15	13.37	S, US, 13
1 1/2	1200	56HC	**132563.00**	√	1,585	C182T11WK1	89	208-230/460	5.6	87.5	1.15	15.96	S, US, 13
2	3600	56HC	**113592.00**	D	1,044	C6T34VK6	48	208-230/460	5.0	84.0	1.15	13.06	S, US, 12
2	3600	56HC	**119482.00**	√	1,230	C6T34WK33	51	208-230/460	4.8	85.5	1.15	13.37	S, US, 13
2	3600	145TC	**122185.00**	√	1,240	C145T34WK37	49	208-230/460	4.8	85.5	1.15	13.43	S, US, 13
2	1800	56C	**119483.00**	√	1,248	C6T17WK46	47	208-230/460	5.8	86.5	1.15	13.87	S, US, 13
2	1800	145TC	**121868.00**	√	1,328	C145T17WK30	49	208-230/460	5.8	86.5	1.15	13.75	S, US, 13
3	3600	145TC	**121870.00**	√	1,569	C145T34WK28	46	208-230/460	7.6	89.5	1.15	13.75	S, US, 13
3	3600	182TC	**132199.00**	√	1,804	C182T34WK1	80	208-230/460	7.6	86.5	1.25	14.97	S, MX, 13
3	1800	182TC	**132198.00**	√	1,779	C182T17WK13	80	208-230/460	7.8	89.5	1.15	14.47	S, MX, 13
5	3600	184TC	**132200.00**	√	2,229	C184T34WK10	79	208-230/460	12.0	88.5	1.15	14.47	S, MX, 13
5	1800	184TC	**132201.00**	√	2,009	C184T17WK15	84	208-230/460	12.8	89.5	1.15	14.97	S, MX, 13
7 1/2	3600	184TC	**132205.00**	√	2,763	C184T34WK21	94	208-230/460	17.6	89.5	1.15	15.97	S, MX, 13
7 1/2	3600	213TC	**141120.00**	√	2,826	C213T34WK6	140	208-230/460	17.8	89.5	1.15	17.47	S, MX, 13
7 1/2	1800	213TC	**140822.00**	√	2,590	C213T17WK9	135	208-230/460	21.4	91.7	1.25	17.71	S, MX, 13
10	3600	215TC	**140823.00**	√	3,336	C215T34WK9	129	208-230/460	23.6	90.2	1.15	20.57	S, US, 13
10	1800	215TC	**140821.00**	√	2,944	C215T17WK9	145	208-230/460	26.6	91.7	1.25	18.71	S, MX, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - 575 Volts

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	56C	**112520.00**	√	665	C6T17WK5	24	575	0.4	68.0	1.15	10.69	S, US
1/3	1800	56C	**112521.00**	√	688	C6T17WK6	22	575	0.7	68.0	1.15	10.69	S, US
1/2	1800	56C	**112483.00**	√	742	C6T17WK3	28	575	0.8	74.0	1.15	10.69	S, US
3/4	1800	56C	**112484.00**	√	859	C6T17WK4	24	575	1.1	77.0	1.15	11.19	S, US
1	1800	56C	**119479.00**	√	993	C6T17WK381	35	575	1.3	85.5	1.15	12.62	S, US
2	1800	145TC	**122330.00**	√	1,328	C145T17WK60	49	575	5.8	86.5	1.15	13.75	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washdown Duty Pump Motors - White Epoxy Painted

Three Phase - TEFC - JM Pump

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	**122186.00**	C/A	1,276	C143T17WK15	47	208-230/460	3.2	85.5	1.15	15.43	S, US
1 1/2	3600	143JM	**122188.00**	C/A	1,378	C143T34WK10	35	208-230/460	4.0	84.0	1.15	15.43	S, US
1 1/2	1800	145JM	**122187.00**	√	1,418	C145T17WK57	39	208-230/460	4.8	86.5	1.15	15.93	S, US
2	3600	145JM	**122189.00**	√	1,561	C145T34WK38	51	208-230/460	4.8	85.5	1.15	15.93	S, US
2	1800	145JM	**122190.00**	√	1,477	C145T17WK58	52	208-230/460	5.8	86.5	1.15	16.43	S, US
3	3600	145JM	**122191.00**	√	1,691	C145T34WK39	56	208-230/460	8.0	86.5	1.15	16.43	S, US
3	1800	182JM	**G131967.00**	D	1,739	C182T17WK15	79	208-230/460	8.2	87.5	1.15	16.13	S, MX
3	1800	182JM	**132442.00**	√	1,879	C182T17WK20	82	208-230/460	7.8	89.5	1.15	16.13	S, MX
5	3600	184JM	**132443.00**	√	2,198	C184T34WK18	86	208-230/460	12.0	88.5	1.15	16.63	S, MX
5	1800	184JM	**132444.00**	√	2,010	C184T17WK24	100	208-230/460	12.6	89.5	1.15	16.63	S, MX
7 1/2	3600	184JM	**132446.00**	√	2,421	C184T34WK19	116	208-230/460	17.6	90.1	1.15	17.63	S, MX
7 1/2	1800	213JM	**141270.00**	√	2,707	C213T17WK17	141	208-230/460	19.6	91.7	1.15	21.40	S, MX
10	3600	215JM	**141271.00**	√	3,270	C215T34WK15	148	208-230/460	23.6	90.2	1.15	21.40	S, MX
10	1800	215JM	**141272.00**	√	3,099	C215T17WK18	159	208-230/460	26.4	91.7	1.15	22.90	S, MX
15	3600	215JM	**141358.00**	√	3,595	C215T34WK19	159	208-230/460	35.0	91.0	1.15	21.71	S, MX

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Jet Pump Motors

Washdown duty three phase jet pump motors for industrial service. These motors include all of the features of LEESON's White Duck Washguard motors with the addition of a 56J threaded shaft for use on jet pumps. For demanding pump applications in wet, humid, or washdown environments.

Three Phase - TEFC - C Face Less Base - Threaded Shaft

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	**116774.00**	√	735	C6T34WC14	23	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	**116775.00**	√	854	C6T34WC15	35	208-230/460	3.2	77.0	1.15	10.81	S, US
1 1/2	3600	56J	**119459.00**	√	983	C6T34WC24	44	208-230/460	4.0	84.0	1.15	12.87	S, US
2	3600	56J	**119460.00**	√	1,222	C6T34WC25	50	208-230/460	4.8	85.5	1.15	13.87	S, US
3	3600	56J	**119462.00**	√	1,252	C6T34WC26	55	208-230/460	8.0	86.5	1.15	14.37	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEFC - C Face With Base - Threaded Shaft

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	**116779.00**	√	754	C6T34WK12	24	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	**116780.00**	√	876	C6T34WK13	36	208-230/460	3.2	77.0	1.15	10.81	S, US
1 1/2	3600	56J	**119458.00**	√	1,003	C6T34WK30	45	208-230/460	4.0	84.0	1.15	12.87	S, US
2	3600	56J	**119461.00**	√	1,240	C6T34WK31	51	208-230/460	4.8	85.5	1.15	13.87	S, US
3	3600	56J	**119463.00**	√	1,269	C6T34WK32	56	208-230/460	8.0	86.5	1.15	14.37	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

Washdown Duty Brakemotors

White Epoxy Painted

Washguard Brakemotors - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	**116466.00**	C/A	1,459	C6T17VK28	40	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	**116467.00**	√	1,488	C6T17VK30	42	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	**116468.00**	√	1,765	C6T17VK29	44	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56C	6	**116469.00**	D	1,824	C6T17VK27	48	208-230/460	3.2	80.0	1.15	15.50	S, US, 12
1	1800	56HC	6	**119486.00**	√	1,915	C6T17WK47	53	208-230/460	3.2	85.5	1.15	17.50	S, US, 13
1	1800	143TC	6	**121616.00**	D	1,824	C143T17VK7	49	208-230/460	3.2	80.0	1.15	16.06	S, US, 12
1	1800	143TC	6	**122193.00**	√	1,933	C143T17WK14	53	208-230/460	3.2	85.5	1.15	17.50	S, US, 13
1 1/2	1800	145TC	10	**G121617.00**	D	2,528	C145T17WK22	50	208-230/460	4.4	84.0	1.15	19.01	S, US, 13
1 1/2	1800	145TC	10	**122195.00**	√	2,636	C145T17WK55	55	208-230/460	4.8	86.5	1.15	18.50	S, US, 13
2	1800	145TC	10	**G121618.00**	D	2,622	C145T17WK21	62	208-230/460	5.6	84.0	1.15	19.01	S, US, 13
2	1800	145TC	10	**122197.00**	C/A	2,716	C145T17WK56	67	208-230/460	5.8	86.5	1.15	19.00	S, US, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard Brakemotors - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	**116462.00**	√	1,408	C6T17VC43	39	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	**116463.00**	√	1,443	C6T17VC42	41	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	**116464.00**	√	1,717	C6T17VC44	43	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56C	6	**119485.00**	√	1,893	C6T17WC54	50	208-230/460	3.2	85.5	1.15	15.50	S, US, 13
1	1800	143TC	6	**122192.00**	√	1,906	C143T17VC9	52	208-230/460	3.2	85.5	1.15	17.50	S, US, 13
1 1/2	1800	145TC	10	**121614.00**	D	2,464	C145T17WC20	49	208-230/460	5.0	78.5	1.15	18.01	S, US, 13
1 1/2	1800	145TC	10	**122194.00**	√	2,603	C145T17WC44	55	208-230/460	4.8	86.5	1.15	18.50	S, US, 13
2	1800	145TC	10	**122196.00**	√	2,670	C145T17WC45	65	208-230/460	5.8	86.5	1.15	19.00	S, US, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

Washdown Duty Brakemotors
White Epoxy Painted

Washguard Coupler Brakes

Larger coupler brakes on page 297.

Solid die-cast aluminum Stearns NEMA® 4X coupler brake converts any TEFC or TENV 56C thru 145TC motor to a fail-safe brakemotor by mounting between the C-face motor and driven equipment. Food safe white epoxy finish. BISSC Certified. Adds 5" to the overall length of 56C thru 145TC WASHGUARD TEFC or TENV motors. Includes all mounting components.

For Both Single and Three Phase Motors

Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price	Brake Rating (ft lbs)	Max HP @ 1725 RPM	Mounts to NEMA Frame	Coupler Brake Output Shaft and Face	App. Wgt. (lbs)
175566.00	1,289	**175567.00**	1,289	**175568.00**	1,289	3	1	56C	5/8", 56C	13.0
175572.00	1,387	**175573.00**	1,387	**175574.00**	1,387	6	2	56C/143-5TC	5/8", 56C	14.0

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard Brakekits

Kit of components including a Stearns NEMA 4X brake to convert 56 thru 145T frame stock TEFC only motors to fail-safe brakemotors. Food safe white epoxy finish. BISSC Certified. Adds 5 1/8" to the overall length of 56 thru 145T WASHGUARD TEFC motors.

For 230/460V Three Phase and 230V Single Phase Motors

Brake Rating (ft lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Cat. No. 230/460 V Brake Coil Voltage	List Price	(lbs)
3	56/143-5T	1	**175771.00***	1,433	24
6	56/143-5T	2	**175772.00***	1,511	36
10	56/143-5T	3	**175773.00***	1,592	43

♥ Note listing on inside back flap
Specifications are subject to change without notice

*For 56/145 frame motors having a "B" for the suffix letter for the date code and having a face mount fan guard.

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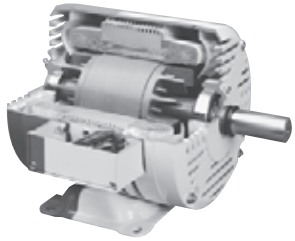

Washdown Duty Motors

Lincoln Wash-Thru Motors

230/460 Volts - Three Phase - Foot Mount & C Face

Applications:

Exceptional choice for demanding uses in poultry, seafood, meat and other food processing plants. Other applications include areas where a high degree of dust, moisture, and vibration exist.

Features:

- Pressure encapsulation technology - winding endcoils totally encapsulated
- 303 Stainless shaft
- Double sealed bearings
- FDA approved white finish coat
- Stainless laser etched nameplate

Three Phase - Drip-Proof - Rigid Base - Encapsulated

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	**LM20655**	C/A	1,110	SREW4S0.5T61	26	208-230/460	——	68.0	1.0	10.44	S, US
3/4	1800	56	**LM20658**	C/A	1,151	SREW4S0.75T61	24	208-230/460	3.0	75.5	1.0	10.44	S, US
1	3600	56	**LM21037**	C/A	1,187	SREW2S1T61	30	208-230/460	3.2	78.5	1.0	11.44	S, US
1	1800	56	**LM21061**	C/A	1,206	SREW4S1T61	30	208-230/460	3.2	77.0	1.0	10.44	S, US
1 1/2	3600	56	**LM21040**	C/A	1,267	SREW2S1.5T61	30	208-230/460	——	78.5	1.0	——	S, US
1 1/2	3600	143T	**LM34416**	C/A	1,358	SSEW2B1.5T61	——	208-230/460	——	84.0	1.0	——	S, US
1 1/2	1800	56H	**LM21062**	C/A	1,256	SREW4S1.5T61	30	208-230/460	4.8	80.0	1.0	10.94	S, US
1 1/2	1800	145T	**LM34417**	C/A	1,294	SSEW4B1.5T61	40	208-230/460	4.4	86.5	1.0	12.99	S, US
2	3600	145T	**LM34418**	C/A	1,513	SSEW2B2T61	——	208-230/460	——	85.5	1.0	——	S, US
2	1800	56H	**LM21063**	C/A	1,540	SREW4S2T61	34	208-230/460	6.2	81.5	1.0	10.94	S, US
2	1800	145T	**LM34419**	C/A	1,549	SSEW4B2T61	40	208-230/460	6.0	86.5	1.0	13.49	S, US
3	3600	182T	**LM34420**	√	1,807	SSEW2B3T61	——	208-230/460	——	85.5	1.0	——	S, US
3	1800	182T	**LM20676**	√	1,962	SSEW4B3T61	64	208-230/460	7.8	89.5	1.0	14.22	S, US
5	3600	184T	**LM34431**	C/A	2,556	SSEW2B5T61	——	208-230/460	——	86.5	1.0	——	S, US
5	1800	184T	**LM34422**	C/A	2,299	SSEW4B5T61	77	208-230/460	12.6	89.5	1.0	16.22	S, US
7 1/2	3600	213T	**LM34423**	C/A	3,183	SSEW2B7.5T61	——	208-230/460	——	88.5	1.0	——	S, US
7 1/2	1800	213T	**LM34424**	√	2,926	SSEW4B7.5T61	116	208-230/460	20.0	91.0	1.0	17.30	S, US
10	3600	215T	**LM34425**	C/A	3,796	SSEW2B10T61	132	208-230/460	24.2	89.5	1.0	17.30	S, US
10	1800	215T	**LM34426**	C/A	3,343	SSEW4B10T61	132	208-230/460	26.2	91.7	1.0	17.30	S, US

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Washdown Duty Motors

Lincoln Wash-Thru Motors

Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	**LM21033**	C/A	1,086	SREW2S0.5TCN61	35	208-230/460	——	70.0	1.0	——	S, US
1/2	1800	56C	**LM20657**	√	1,168	SREW4S0.5TCN61	35	208-230/460	2.4	74.0	1.0	10.43	S, US
3/4	3600	56C	**LM21036**	C/A	1,149	SREW2S0.75TCN61	35	208-230/460	——	74.0	1.0	——	S, US
3/4	1800	56C	**LM20660**	√	1,207	SREW4S0.75TCN61	35	208-230/460	3.0	77.0	1.0	10.43	S, US
1	3600	56C	**LM21039**	C/A	1,244	SREW2S1TCN61	35	208-230/460	3.2	75.5	1.0	10.43	S, US
1	1800	56C	**LM20662**	C/A	1,259	SREW4S1TCN61	35	208-230/460	3.6	78.5	1.0	10.93	S, US
1	1800	143TC	**LM34427**	C/A	1,322	SSEW4B1TCN61	——	208-230/460	3.0	85.5	1.0	——	S, US
1 1/2	3600	56C	**LM21042**	C/A	1,324	SREW2S1.5TCN61	35	208-230/460	——	78.5	1.0	——	S, US
1 1/2	3600	143TC	**LM34428**	C/A	1,440	SSEW2B1.5TCN61	——	208-230/460	——	84.0	1.0	——	S, US
1 1/2	1800	56HC	**LM20664**	C/A	1,316	SREW4S1.5TCN61	35	208-230/460	4.8	80.0	1.0	10.93	S, US
1 1/2	1800	145TC	**LM34429**	C/A	1,382	SSSEW4B1.5TCN61	——	208-230/460	——	86.5	1.0	——	S, US
2	3600	56HC	**LM21045**	C/A	1,466	SREW2S2TCN61	40	208-230/460	6.6	78.5	1.0	10.93	S, US
2	3600	145TC	**LM34430**	C/A	1,599	SSEW2B2TCN61	——	208-230/460	——	85.5	1.0	——	S, US
2	1800	56HC	**LM20666**	C/A	1,596	SREW4S2TCN61	40	208-230/460	6.2	81.5	1.0	11.93	S, US
2	1800	145TC	**LM20675**	D	1,559	SSEW4S2TCN61	40	208-230/460	6.2	81.5	1.0	11.99	S, US
2	1800	145TC	**LM34421**	√	1,637	SSEW4B2TCN61	40	208-230/460	6.2	86.5	1.0	11.99	S, US

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Washguard® Motors
DC Washdown Duty Motors
White Epoxy Painted

DC - SCR Rated 90 & 180 Volts - IP55 - C Face with Removable Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	**108423.00**	√	854	C4D17VK9C	23	90	115	2.7	10.69	S, US, 12
1/4	1750	SS56C	**098375.00**	C/A	854	C42D17VK1	21	180	230	1.4	10.22	S, US, 12
1/3	1750	S56C	**108424.00**	√	903	C4D17VK10	26	90	115	3.5	11.69	S, US, 12
1/3	1750	SS56C	**098376.00**	C/A	903	C42D17VK2	22	180	230	1.7	10.22	S, US, 12
1/2	1750	S56C	**108226.00**	√	1013	C4D17VK1	38	90	115	4.9	13.69	S, US, 12
1/2	1750	S56C	**108227.00**	√	1013	C4D17VK2	43	180	230	2.4	13.69	S, US, 12
3/4	1750	S56C	**108228.00**	√	1,229	C4D17VK3	53	90	115	7.0	15.69	S, US, 12
3/4	1750	S56C	**108229.00**	√	1,229	C4D17VK4	50	180	230	3.5	15.69	S, US, 12
1	1750	S56C	**108230.00**	√	1,497	C4D17WK1	45	90	115	10.0	15.81	S, US, 13
1	1750	S56C	**108231.00**	√	1,497	C4D17WK2	42	180	230	5.0	14.81	S, US, 13
1 1/2	1750	S56C	**108232.00**	√	1,913	C4D17WK3	50	180	230	7.6	15.81	S, US, 13

C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard - DC - IEC Frame

180 Volts - TENV IP55 - B5 Flange With Removable B3 Base

HP/ kW	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/2 - .37	1750	71	**098040.00**	C/A	895	42D17VD1	22	180	230	2.5	10.69	S, US
3/4 - .55	1750	80	**108407.00**	D	1,213	4D17VD1	52	180	230	3.5	16.02	S, US

D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

If base is removed, do not reinstall bolts without using washers to compensate for the thickness of base. These WASHGUARD motors are modular design but stocked with B5 flange and B3 foot. The foot is removable. The B5 flange can be replaced with a B14 face or other diameter B5 flanges.
All Washdown Duty Motors Have Class F Insulation.

Washguard® Motors

SUB-FHP IP55 Washguard Motors
White Epoxy Painted

General Specifications:

Precision subfractional horsepower DC permanent magnet motors. Designed for use with fullwave nonfiltered SCR controls or battery supplied low voltage for adjustable speed applications requiring constant torque throughout the speed range.

Features:

- 303 Stainless steel shaft resists corrosion
- Lubricated spring loaded contact seals prevent moisture from entering the motor
- Double sealed, oversize bearings with high temp lubricant
- Exterior and interior components protected against moisture, acids, alkalies and oil
- Cast conduit box for superior sealing includes:
  - Threaded conduit entrance
  - Drain holes
  - Nitrile gaskets
  - 304 stainless steel conduit box cover
  - Stainless steel hardware
- USDA Approved white epoxy finish
- Nylon seals at bolt heads for superior sealing
- O ring sealed brush covers

90 Volts DC - TENV - Square Flange Less Feet

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/8	1800	31S	**M1120181.00**	√	531	M31D17VZ1	11	90	115	1.5	8.57	S, US
1/6	1800	31S	**M1120183.00**	√	538	M31D17VZ3	11	90	115	1.9	10.07	S, US
1/4	3600	32	**M1120185.00**	√	586	M32D25VC1	13	90	115	1.9	10.00	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Low Voltage - 12 Volt - TENV - Square Flange or C Face

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/8	1800	31S	**M1120182.00**	√	553	M31D17VZ2	7	12	10.5	8.1	S, US
1/6	1800	31S	**M1120184.00**	√	560	M31D17VZ4	11	12	14.5	9.6	S, US
1/4	3600	32	**M1120186.00**	√	608	M32D25VC2	13	12	20.0	9.5	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Chemical Name	% Concentration	Exposure	White Epoxy	Stainless Steel
Fresh Water	100	Continuous	Excellent	Excellent
Salt Water	5	Continuous	Excellent	Excellent
Salt Brine	Dilute	Continuous	Fair	Good
Ammonium Hydroxide	Dilute	Continuous	Good	Excellent
Calcium Hydroxide (Lime)	100	Intermittent	Good	Excellent
Citric Acid	10	Continuous	Good	Excellent
Ethylene Glycol	100	Continuous	Excellent	Excellent
Hydrochloric Acid	37	Intermittent	Good	Poor
Lactic Acid	Dilute	Intermittent	Excellent	Excellent
Lactic Acid	100	Intermittent	Fair	Fair
Mineral Spirits	100	Continuous	Excellent	Excellent
Potassium Hydroxide	50	Intermittent	Fair	Fair
Sodium Hydroxide	5	Continuous	Fair	Excellent
Sodium Hydroxide	20	Continuous	Fair	Excellent
Sodium Hydroxide	50	Continuous	Excellent	Excellent
Sodium Hypochlorite (Bleach)	15	Intermittent	Excellent	Excellent
Sulfuric Acid	10	Intermittent	Fair	Fair
Toluene	100	Continuous	Fair	Fair
Animal Fats	NA	Continuous	Excellent	Excellent
Mineral Oils	NA	Continuous	Excellent	Excellent
Vegetable Oils	NA	Continuous	Excellent	Excellent
Cutting Oils	NA	Continuous	Excellent	Excellent
Detergents	NA	Continuous	Excellent	Excellent
Gasoline	NA	Continuous	Fair	Fair
Hydraulic Fluid	NA	Continuous	Excellent	Excellent
Lubricating Oils	NA	Continuous	Excellent	Excellent
General Weathering	NA	Continuous	Fair	Excellent
Mold/Mildew	NA	Continuous	Excellent	Excellent
Light Abrasion	NA	Continuous	Excellent	Excellent
Heavy Abrasion	NA	Continuous	Fair	Excellent

Washguard® Motors

IP55 Washguard Gearmotors - Parallel Shaft White Epoxy Painted

General Specifications - SCR rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Gearbox output shafts are coated with Microlon 3300 fortified teflon for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox shafts are hardened steel
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes:

- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered.
- USDA approved white epoxy finish
- **Bison/Dayton direct interchange**

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Teflon is a trademark of The Chemours Company.

Bison is believed to be the trademark or trade name of Bison Gear & Engineering Corp.

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Washguard® Motors

IP55 Washguard Gearmotors - Parallel Shaft White Epoxy Painted

P300 Series - SCR RATED - 90V - Parallel Shaft - TENV - 1.0 Service Factor

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
5	353	1/20	**M1125261.00**	√	902	CM31D17VZ5	P303-31	336	90	0.8	565
31	220	1/8	**M1125262.00**	√	927	CM31D17VZ6	P303-31	58	90	1.6	327
51	130	1/8	**M1125263.00**	√	857	CM31D17VZ7	P302-31	35	90	1.6	277
94	77	1/8	**M1125264.00**	√	857	CM31D17VZ8	P302-31	19	90	1.6	236
167	43	1/8	**M1125265.00**	√	857	CM31D17VZ9	P302-31	11	90	1.6	197

Specifications are subject to change without notice

P	PB	X Inches	XL	XH
3.13	3.8	3.54	10.44	8.94
3.13	3.8	3.54	11.94	10.44
3.13	3.8	3.54	11.94	10.44
3.13	3.8	3.54	11.94	10.44
3.13	3.8	3.54	11.94	10.44

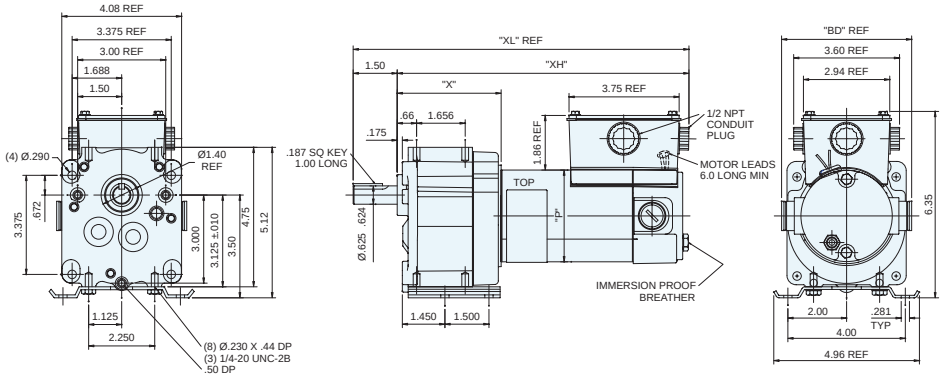
Specifications are subject to change without notice

P300 Series - Low Voltage (12V) - Parallel Shaft - TENV - 1.0 Service Factor

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
5	353	1/20	**M1125266.00**	√	927	CM31D17VZ10	P303-31	336	12	6.4	565
31	220	1/8	**M1125267.00**	√	950	CM31D17VZ11	P303-31	58	12	11.0	327

Specifications are subject to change without notice

P	PB	X Inches	XL	XH
3.13	3.8	3.54	10.44	8.94
3.13	4.43	3.54	11.94	9.94



Washguard® Motors

IP55 Washguard Gearmotors - Parallel Shaft White Epoxy Painted

General Specifications - SCR rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Gearbox output shafts are coated with Microlon 3300 fortified teflon for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox shafts are hardened steel
- Cast conduit box with threaded conduit holes and nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes:

- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered.
- USDA approved white epoxy finish
- **Bodine/Baldor direct interchange**

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Washguard® Motors

IP55 Washguard Gearmotors - Parallel Shaft

White Epoxy Painted

TENV - 1.0 Service Factor - SCR Rated 90V

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
14	341	1/8	**M1125268.00**	√	934	M31D25VZ1	P353-31	180	90	1.5	465
42	280	1/4	**M1125269.00**	√	967	M32D25VZ1	P353-32	58	90	2.6	327
83	155	1/4	**M1125270.00**	√	942	M32D25VZ2	P353-32	29	90	2.6	267
250	45	1/4	**M1125271.00**	√	942	M32D25VZ3	P352-32	10	90	2.6	201
500	25	1/4	**M1125272.00**	√	942	M32D25VZ4	P352-32	5	90	2.6	194

Specifications are subject to change without notice

P	PB	X Inches	XL	XH
3.13	3.8	3.45	11.84	9.84
3.25	3.8	3.45	13.84	11.84
3.25	3.8	3.45	13.84	11.84
3.25	3.8	3.45	13.84	11.84
3.25	3.8	3.45	13.84	11.84

Specifications are subject to change without notice

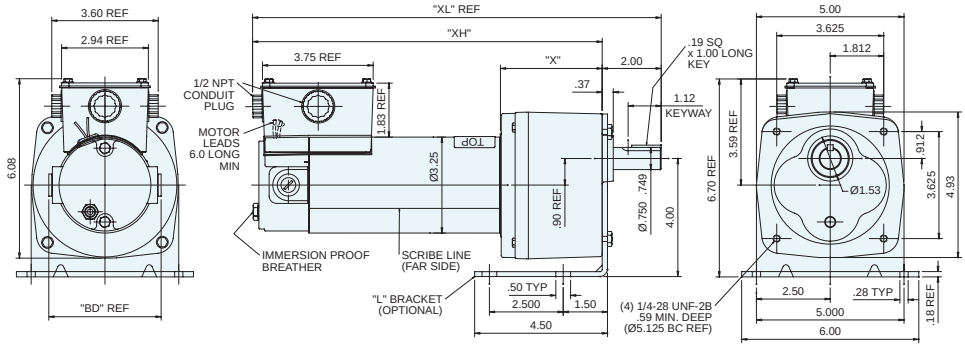
PE350 Series Parallel Shaft - TENV - 1.0 Service Factor - Low Voltage 12V

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
14	341	1/8	**M1125273.00**	√	957	M31D25VZ2	P353-31	180	12	12.0	465
42	325	1/4	**M1125274.00**	√	1,012	M32D25VZ5	P353-32	58	12	20.0	327

Specifications are subject to change without notice

P	PB	X Inches	XL	XH
3.13	4.43	3.45	11.58	9.58
3.25	4.43	3.45	13.84	11.84

Specifications are subject to change without notice



Washguard® Motors

IP55 Washguard Right Angle Gearmotors
White Epoxy Painted

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- 303 stainless steel gearbox output shaft
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Cast conduit box with threaded conduit holes and nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover
- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option

Application Notes :

- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8" NPT taper pipe elbow (See drawing). Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft

Washguard® Motors

IP55 Washguard Right Angle Gearmotors
White Epoxy Painted

TENV - 1.0 Service Factor - SCR Rated 90V

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
42	80	1/8	**M1125275.00**	√	934	M31D25VZ3	13F60-31	60	90	2.2	235
250	25	1/8	**M1125276.00**	√	934	M31D25VZ4	13F10-31	10	90	2.2	235
62	135	1/4	**M1125277.00**	√	942	M32D25VZ6	13F40-32	40	90	3.7	235
125	90	1/4	**M1125278.00**	√	942	M32D25VZ7	13F20-32	20	90	3.7	235
250	50	1/4	**M1125279.00**	√	942	M32D25VZ8	13F10-32	10	90	3.7	235

Specifications are subject to change without notice

P	PB	X Inches	XL	XH
3.13	3.8	4.5	10.86	6.36
3.13	3.8	4.5	10.86	6.36
3.25	3.8	4.5	12.86	8.36
3.25	3.8	4.5	12.86	8.36
3.25	3.8	4.5	12.86	8.36

Specifications are subject to change without notice

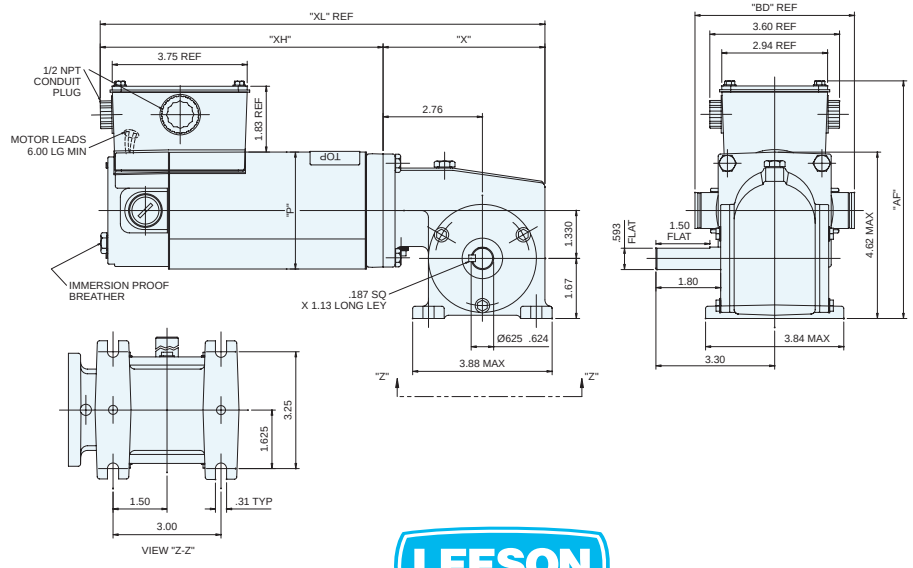
PE350 Series Parallel Shaft - TENV - 1.0 Service Factor - Low Voltage 12V

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
62	135	1/4	**M1125280.00**	√	894	M32D25VZ9	13F40-32	40	12	28.0	235
125	90	1/4	**M1125281.00**	√	894	M32D25VZ10	13F20-32	20	12	28.0	235

Specifications are subject to change without notice

P	PB	X Inches	XL	XH
3.25	4.43	4.5	12.36	7.86
3.25	4.43	4.5	12.36	7.86

Specifications are subject to change without notice



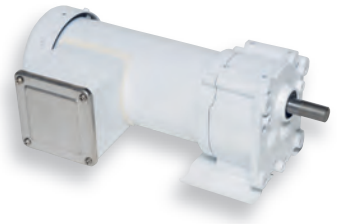
Washguard® Motors

IP55 AC Washguard Gearmotors

Parallel Shaft - White Epoxy Painted

Features:

- Single phase PSC designs include capacitor inside conduit box
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Shaft material coated with teflon/ceramic plating
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified
- **Bison/Dayton direct interchange**



P240 series AC Washdown Duty Gearmotors

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Voltage	Phase	F.L. Amps @ 230 V	Over-hung Load (Lbs.)
16	391	5/32	**M1145138.00**	√	962	CM38P17FZ39	P240	103	115/230	1	1.05	399
40	219	5/32	**M1145139.00**	√	962	CM38P17FZ40	P240	43	115/230	1	1.00	303
156	60	5/32	**M1145140.00**	√	883	CM38P17FZ41	P240	10.6	115/230	1	1.00	201
16	391	1/6	**M1145144.00**	√	962	CM38T17FZ20	P240	103	230	3	0.72	237
30	295	1/6	**M1145145.00**	√	962	CM38T17FZ21	P240	58	230	3	0.72	237

Specifications are subject to change without notice

Bison is believed to be the trademark or trade name of Bison Gear & Engineering Corp.

Dayton is a trademark or trade name of Dayton Electric Manufacturing. All Rights Reserved.

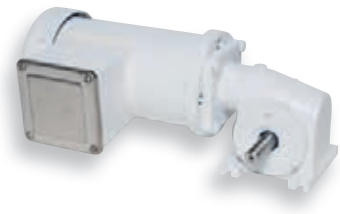
Washguard® Motors

IP55 AC Washguard Gearmotors

Right Angle

Features:

- Single phase PSC designs include capacitor inside conduit box
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Shaft material coated with teflon/ceramic plating
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified



Right Angle Series AC Washdown Duty Gearmotors

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Voltage	Phase	F.L. Amps @ 230 V	Over-hung Load (Lbs.)
43	113	1/6	**M1145141.00**	√	808	CM38P17FZ42	Right-Angle	40	115/230	1	1.0	235
83	75	1/6	**M1145142.00**	√	991	CM38P17FZ43	Right-Angle	20	115/230	1	1.0	235
340	23	1/6	**M1145143.00**	√	991	CM38P17FZ44	Right-Angle	5	115/230	1	1.4	235
29	220	1/6	**M1145146.00**	√	991	CM38T17FZ22	Right-Angle	60	230	3	1.3	235
172	105	1/6	**M1145147.00**	√	991	CM38T17FZ23	Right-Angle	10	230	3	1.3	235

Specifications are subject to change without notice

Washguard® Motors

Washguard II Motors

Stainless Frame - Three Phase - Standard, EPAct & NEMA® Premium Ratings

Typical applications include food processing areas requiring frequent sanitation procedures using high pressure cleaning with concentrated caustic solutions, areas of high humidity and in chemical environments.

Features:

- Paint free exterior
- BISSC certified for the baking industry
- Stainless Steel Output shafts
- Repositional drain plugs for all angle mounting
- Double sealed bearings
- Output shaft seal
- Inverter duty IRIS® insulation system

Stainless Frame - C Face Less Base - Totally Enclosed

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**114394.00**	√	860	CZ6T17VC10	30	208-230/460	1.6	78.5	1.15	11.06	S, US, 12
3/4	1800	56C	**114395.00**	√	995	CZ6T17VC11	34	208-230/460	2.3	80.0	1.15	11.56	S, US, 12
1	1800	56C	**119487.00**	√	1,126	CZ6T17FC384	47	208-230/460	3.2	85.5	1.15	12.65	S, US, 13
1	1800	143TC	**122198.00**	√	1,126	CZ143T17WC14	48	208-230/460	3.2	85.5	1.15	13.16	S, US, 13
1 1/2	1800	56C	**119488.00**	√	1,180	CZ6T17WC55	47	208-230/460	4.8	86.5	1.15	13.16	S, US, 13
1 1/2	1800	145TC	**G121350.00**	D	1,084	CZ145T17WC29	45	208-230/460	4.4	82.5	1.15	13.25	S, US, 13
1 1/2	1800	145TC	**122199.00**	√	1,180	CZ145T17WC46	48	208-230/460	4.8	86.5	1.15	13.25	S, US, 13
2	1800	56C	**119489.00**	√	1,342	CZ6T17WC56	53	208-230/460	5.8	86.5	1.15	13.69	S, US, 13
2	1800	145TC	**122200.00**	√	1,342	CZ145T17WC47	53	208-230/460	5.8	86.5	1.15	13.75	S, US, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Stainless Frame - C Face With Base - Totally Enclosed

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56HC	**114560.00**	√	870	CZ6T17VK3	34	208-230/460	1.6	78.5	1.15	11.56	S, US, 6, 12
3/4	1800	56HC	**114561.00**	√	1,005	CZ6T17VK4	38	208-230/460	2.3	80.0	1.15	12.06	S, US, 6, 12
1	1800	56HC	**119490.00**	√	1,128	CZ6T17FK385	48	208-230/460	3.2	85.5	1.15	12.65	S, US, 6, 13
1	1800	143TC	**122201.00**	√	1,128	CZ143T17WK19	49	208-230/460	3.2	85.5	1.15	13.16	S, US, 13
1 1/2	1800	145TC	**121912.00**	C/A	1,199	CZ145T14KW40	47	208-230/460	4.4	86.5	1.15	13.25	S, US, 13
2	1800	145TC	**121913.00**	√	1,401	CZ145T14WK41	54	208-230/460	5.6	86.5	1.25	13.75	S, US, 13

Green items are Premium Efficient

C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

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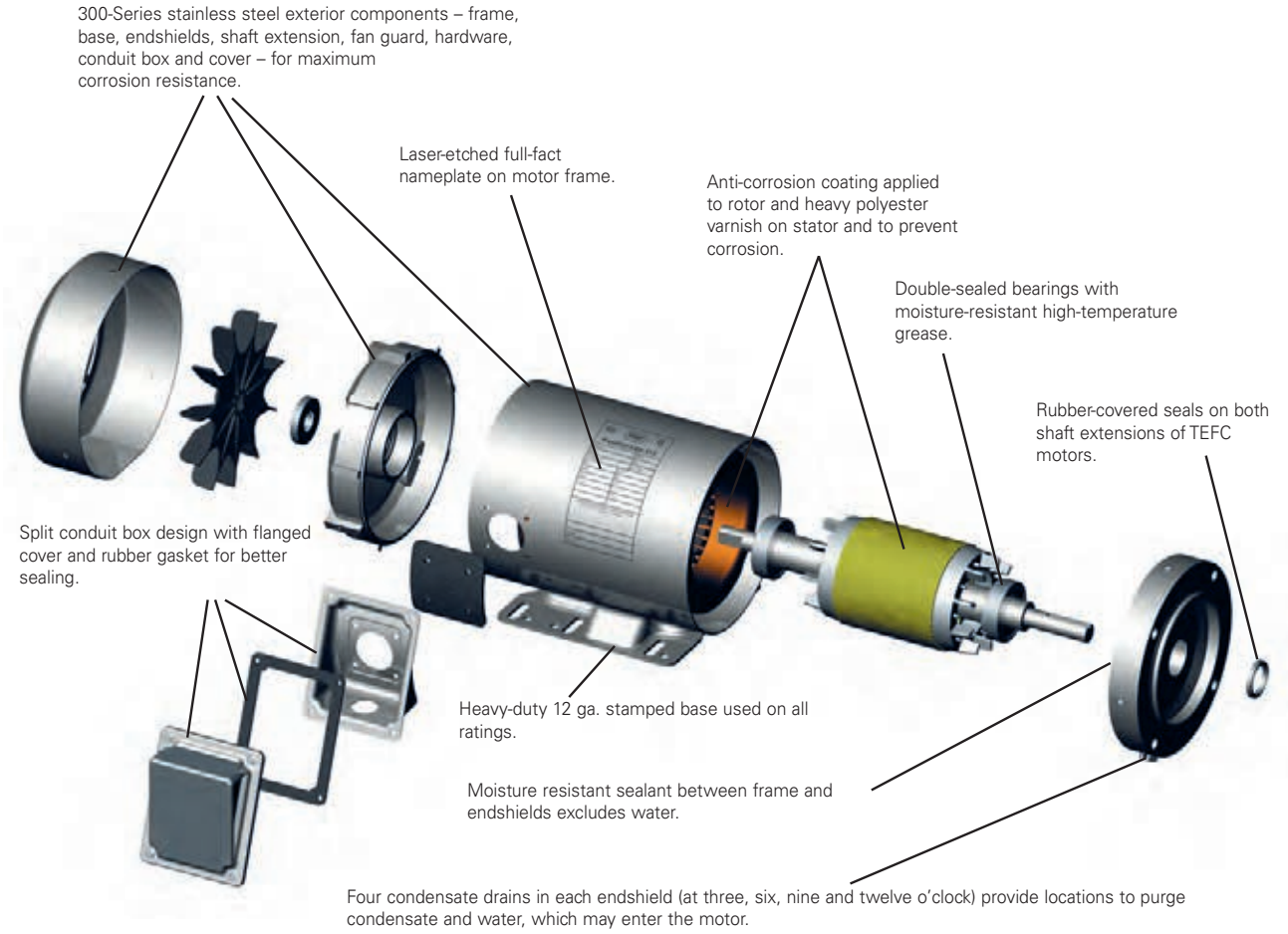
LEESON®

SST StainlessDuck

This member of LEESON's family of tough ducks is designed for long life in demanding washdown applications. LEESON's FHP Washguard SST All-Stainless motors are Stainless Steel Tough!

Built with all stainless steel external components to prevent corrosion and well sealed against moisture and condensation to protect internal components, the Washguard SST all-stainless steel motors are able to withstand the severe washdown environments found in the food processing, chemical processing, and beverage industries.



Washguard® Motors

SST - All Stainless Motors

Single-Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	**191474.00**	√	736	C6C34WK18	29.5	115/208-230	3.1	1.15	11.10	S, CN
1/2	1800	56C	**191475.00**	√	829	C6C17WK14	31.5	115/208-230	4.1	1.15	11.10	S, CN
3/4	3600	56C	**191476.00**	√	810	C6C34WK19	31.5	115/208-230	4.5	1.15	11.80	S, CN
3/4	1800	56C	**191477.00**	√	957	C6C17WK15	39.0	115/208-230	4.9	1.15	11.80	S, CN
1	3600	56C	**191478.00**	√	951	C6C34WK20	39.0	115/208-230	6.2	1.15	12.30	S, CN
1	1800	56C	**191479.00**	√	999	C6C17WK16	42.5	115/208-230	6.8	1.15	12.30	S, CN
1 1/2	3600	56C	**191480.00**	√	1,046	C6K34WK2	42.5	115/208-230	8.8	1.15	13.20	S, CN
1 1/2	1800	56C	**191481.00**	√	1,043	C6K17WK1	52.5	115/208-230	9.5	1.15	13.20	S, CN
2	3600	145TC	**191482.00**	√	1,349	C145K34WK2	64.5	115/208-230	10.8	1.15	14.20	S, CN
2	1800	145TC	**191483.00**	√	1,323	C145K17WK3	64.5	115/208-230	9.0	1.15	14.20	S, CN

♥ Note listing on inside back flap
Specifications are subject to change without notice

Stainless Steel Pedestal Fan Motors

- Extended Thru-bolts
- Auto Reset Protectors
- TEAO designs

Single-Phase – TEAO – Yoke Mount

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	Shaft Dia.	♥Notes
1/4	1725	48Y	**191543.00**	√	684	A4P17VZ1A	17.6	115/230	1.3	1.0	11.58	.50	S, CN
1/4	1075	48Y	**191544.00**	√	693	A6P11VZ1A	18.7	115/230	1.5	1.0	11.58	.50	S, CN
1/3	1725	48Y	**191545.00**	√	706	A4P17VZ2A	18.5	115/230	1.5	1.0	11.58	.50	S, CN
1/3	1075	48Y	**191546.00**	√	718	A6P11VZ2A	21.6	115/230	2.0	1.0	11.58	.50	S, CN
1/2	1725	48Y	**191547.00**	√	732	A4P17VZ3A	21.2	115/230	2.6	1.0	11.58	.63	S, CN
1/2	1075	48Y	**191548.00**	√	766	A6P11VZ3A	26.4	115/230	2.7	1.0	12.56	.63	S, CN

♥ Note listing on inside back flap
Specifications are subject to change without notice

NEW!

Washguard® Motors
SST - All Stainless Motors

Three-Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	**191200.40**	√	705	C6T34NK32	29	208-230/460	1.0	74.0	1.15	9.78	S, CN, 12
1/3	1800	56C	**191201.40**	√	789	C6T17NK40	30	208-230/460	1.3	78.5	1.15	9.78	S, CN, 12
1/2	3600	56C	**191203.40**	√	721	C6T34NK33	32	208-230/460	1.5	77.0	1.15	9.78	S, CN, 12
1/2	1800	56C	**191204.40**	√	814	C6T17NK41	33	208-230/460	1.6	81.5	1.15	9.78	S, CN, 12
1/2	1800	56C	**191949.00**	√	814	C6T17NK46	34	208-230/460	1.6	81.5	1.15	13.77	S, CN, 13
1/2	1200	56C	**191414.40**	√	885	C6T11NK7	36	208-230/460	2.0	78.5	1.15	9.76	S, CN, 12
3/4	3600	56C	**191206.40**	√	792	C6T34NK34	33	208-230/460	2.0	78.5	1.15	9.78	S, CN, 12
3/4	1800	56C	**191207.40**	√	936	C6T17NK48	38	208-230/460	2.3	82.5	1.15	9.78	S, CN, 12
3/4	1800	56C	**191950.00**	√	936	C6T17WK40	39	208-230/460	2.3	82.5	1.15	13.77	S, CN, 13
3/4	1200	56C	**191415.40**	√	1,018	C6T11NK8	49	208-230/460	3.0	80.0	1.15	11.30	S, CN, 12
1	3600	56HC	**191209.00**	√	930	C6T34FK85	41	208-230/460	2.6	80.0	1.15	13.77	S, CN, 6, 13
1	3600	143TC	**191486.00**	√	1,160	C143T34WK10	42	208-230/460	2.6	80.0	1.15	13.62	S, CN, 13
1	1800	56C	**191291.40**	√	977	C6T17NK49	46	208-230/460	3.0	85.5	1.15	11.94	S, CN, 12
1	1800	56HC	**191558.00**	√	1,204	C6T17WK41	48	208-230/460	3.0	85.5	1.15	13.77	S, CN, 6, 13
1	1800	143TC	**191487.00**	√	1,217	C143T17WK14	48	208-230/460	3.0	85.5	1.15	13.62	S, CN, 13
1	1200	56HC	**191417.00**	√	1,065	C6T11NK6	49	208-230/460	3.8	82.5	1.15	13.10	S, CN, 13
1	1200	145TC	**191528.00**	√	1,069	C6T11NK6	49	208-230/460	3.8	82.5	1.15	13.20	S, CN, 13
1 1/2	3600	56HC	**191560.00**	√	1,255	C6T34WK23	48	208-230/460	3.8	84.0	1.15	13.77	S, CN, 6, 13
1 1/2	3600	143TC	**191488.00**	√	1,281	C143T34WK12	49	208-230/460	3.8	84.0	1.15	13.62	S, CN, 13
1 1/2	1800	56HC	**191561.00**	√	1,245	C6T17WK43	48	208-230/460	4.8	86.5	1.15	13.77	S, CN, 6, 13
1 1/2	1800	145TC	**191489.00**	√	1,269	C145T17WK35	49	208-230/460	4.8	86.5	1.15	13.62	S, CN, 13
2	3600	56HC	**191562.00**	√	1,513	C6T34WK37	49	208-230/460	5.0	85.5	1.15	13.77	S, CN, 6, 13
2	3600	145TC	**191490.00**	√	1,533	C145T34WK26	50	208-230/460	5.0	85.5	1.15	13.62	S, CN, 13
2	1800	56HC	**191563.00**	√	1,477	C6T17WK42	53	208-230/460	5.8	86.5	1.15	13.77	S, CN, 6, 13
2	1800	145TC	**191491.00**	√	1,505	C145T17WK37	53	208-230/460	5.8	86.5	1.15	13.62	S, CN, 13
3	3600	145TC	**191492.00**	√	1,645	C145T34WK21	62	208-230/460	7.4	86.5	1.15	14.12	S, CN, 13
3	3600	182TC	**194000.00**	√	2,683	C182T34WK2	85	208-230/460	6.9	86.5	1.15	16.97	S, CN, 13
3	1800	182TC	**194001.00**	√	2,730	C182T17WK21	120	208-230/460	7.2	89.5	1.15	19.97	S, CN, 13
5	3600	184TC	**194002.00**	√	3,099	C184T34WK21	125	208-230/460	11.0	88.5	1.15	18.14	S, CN, 13
5	1800	184TC	**194003.00**	√	3,056	C184T17WK25	146	208-230/460	12.4	89.5	1.15	18.14	S, CN, 13
7 1/2	3600	213TC	**194004.00**	√	4,243	C213T34WK9	159	208-230/460	17.4	89.5	1.15	21.57	S, CN, 13
7 1/2	1800	213TC	**194005.00**	√	4,672	C213T17WK19	185	208-230/460	19.4	91.7	1.15	21.57	S, CN, 13
10	3600	215TC	**194006.00**	√	4,455	C215T34WK16	176	208-230/460	22.8	90.2	1.15	21.57	S, CN, 13
10	1800	215TC	**194007.00**	√	4,749	C215T17WK19	207	208-230/460	25.2	91.7	1.15	21.57	S, CN, 13

Shaded model numbers are NEW

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

Note 12 - TENV
Note 13 - TEFC
Note: Coming soon - 15 HP through 30 HP SST

Washguard® Motors

SST - All Stainless Motors

Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	**191202.40**	√	783	C6T17NC320	30	208-230/460	1.3	78.5	1.15	9.78	S,CN,12
1/2	1800	56C	**191205.40**	√	801	C6T17NC321	33	208-230/460	1.6	81.5	1.15	9.78	S,CN,12
1/2	1800	56C	**191507.00**	√	801	C6T17WC39	34	208-230/460	0.8	78.0	1.15	11.20	S,CN,13
1/2	1200	56C	**191419.40**	√	874	C6T11NC48	35	208-230/460	2.0	78.5	1.15	9.76	S,CN,12
3/4	1800	56C	**191208.40**	√	934	C6T17NC322	38	208-230/460	2.3	82.5	1.15	9.78	S,CN,12
3/4	1800	56C	**191508.00**	√	934	C6T17WC40	39	208-230/460	1.1	80.0	1.15	11.20	S,CN,13
3/4	1200	56C	**191420.40**	√	1016	C6T11NC49	47	208-230/460	3.0	80.0	1.15	11.30	S,CN,12
1	1800	56C	**191290.40**	√	973	C6T17NC323	45	208-230/460	3.0	85.5	1.15	11.00	S,CN,12
1	1800	56C	**191564.00**	√	1163	C6T17WC46	48	208-230/460	3.0	85.5	1.15	13.77	S,CN,13
1	1800	143TC	**191565.00**	√	1186	C143T17WC9	48	208-230/460	3.0	85.5	1.15	13.62	S,CN,13
1	1200	56C	**191421.00**	√	1,062	C6T11NC44	47	208-230/460	3.8	82.5	1.15	13.10	S,CN,13
1 1/2	1800	56C	**191567.00**	√	1204	C6T17WC48	49	208-230/460	4.8	86.5	1.15	13.77	S,CN,13
1 1/2	1800	145TC	**G191220.00**	D	1,045	C145T17WC37	48	208-230/460	4.8	84.0	1.15	13.62	S,CN,13
1 1/2	1800	145TC	**191568.00**	√	1,230	C145T17WC39	48	208-230/460	4.8	86.5	1.15	13.62	S,CN,13
2	1800	56C	**191569.00**	√	1,420	C6T17WC47	52	208-230/460	5.8	86.5	1.15	13.77	S,CN,13
2	1800	145TC	**191570.00**	√	1,467	C145T17WC59	52	208-230/460	5.8	86.5	1.15	13.62	S,CN,13
3	3600	145TC	**G191542.00**	D	1,312	C145T34WC8	60	208-230/460	7.4	86.5	1.15	14.12	S,CN,13
3	3600	145TC	**191542.00**	√	1,312	C145T34WC8	60	208-230/460	7.4	86.5	1.15	14.12	S,CN,13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

General Specifications:

Designed specifically to meet the demanding sanitation requirements of the pharmaceutical, food processing and beverage industries. These motors are also ideal in clean room and severe chemical-processing applications involving frequent washdown with nitric acid and caustic lye.

Mechanical Protection Features:

- All exterior components are 300-series stainless steel
- Nothing on the motor's exterior is painted or coated in any way
- All sealing components are Viton® for superior chemical resistance
- Full fact nameplate is laser etched on the motor frame – no separately attached nameplate to trap dirt or contaminants
- Endshields are O-ring sealed to the frame
- Double lip shaft seals on both ends of TEFC motors (shaft end only on TENV motors)
- Removable hydrophobic breathers in opposite shaft endbell and conduit box equalize pressure without allowing moisture to enter
- Exterior fastener use minimized reducing the number of entry points for moisture. There are no holes in the frame for attaching a nameplate. Bearing lock screws are located inside the motor and the conduit box mounted screws have been eliminated
- Double-sealed bearings are pre-lubricated with moisture-resistant high-temperature grease for long life
- Interior coatings applied to rotor and stator protect against corrosion
- New conduit box mounting system provides optimum sealing
- Ease to clean construction is BISSC Certified for bakery applications

Electrical Performance and Protestion Features:

- WASHGUARD efficiencies meet EPAct mandates for non-exempt motors when tested without shaft seals.
- Windings are immersed and cured in polyester insulating varnish for extra moisture-resistance
- LEESON's exclusive IRIS® Inverter-Rated Insulation System provides extra protection and long life, especially in inverter-driven applications
- Single-phase motors use Solid State Sinpac® switch – no mechanical switch contacts to corrode and fail
- All Washdown duty motors have Class F Insulation

Standards and Approvals:

- Single and three phase motors are UL component recognized – file number E57948, guide number PRGY2.
- CSA Energy Efficiency Verification Program, report number EEV 78720-1
- Construction is CSA Certified for safety report number LR33543 and listed under BISSC authorization number 769

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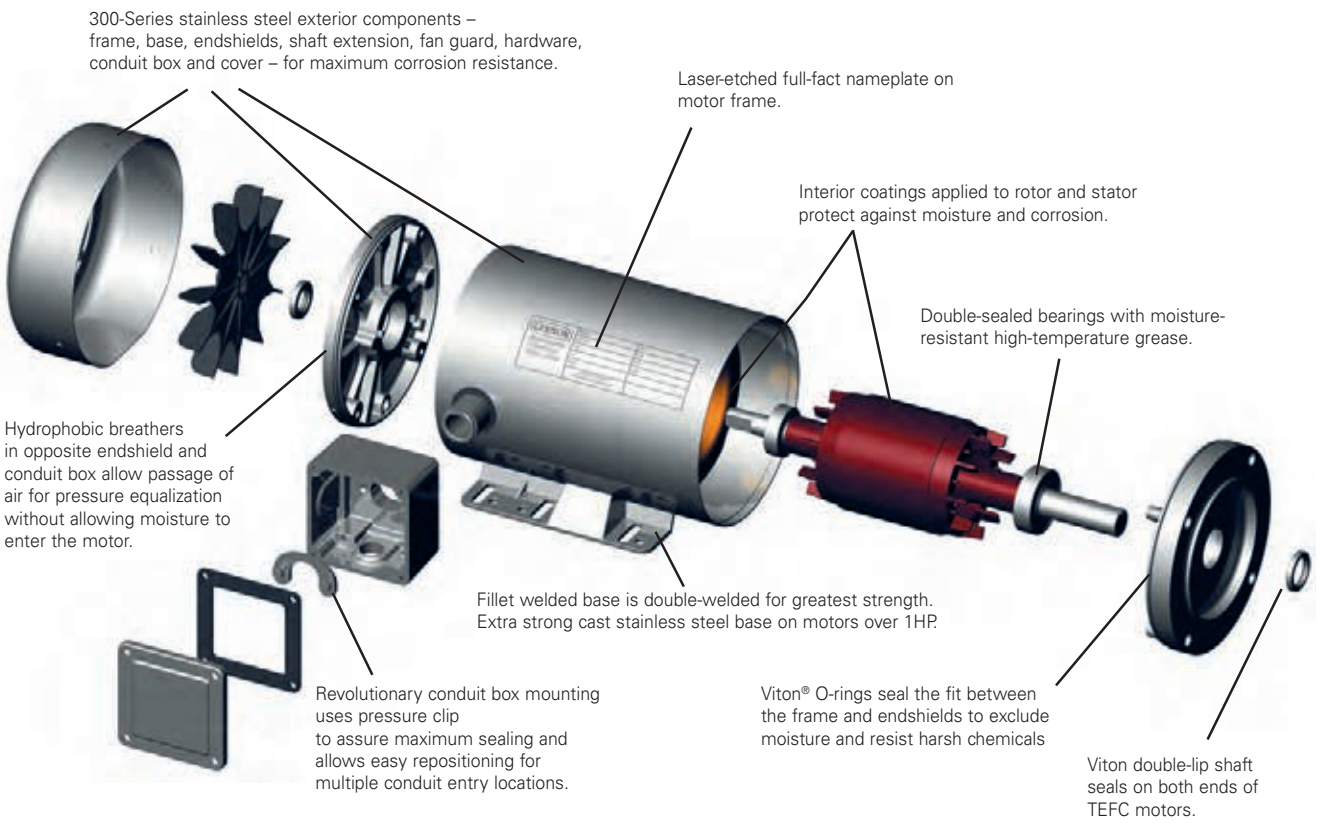
Washguard® Motors

Premium - All Stainless Motors

Single-Phase & Three-Phase

Premium StainlessDuck



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LEESON®

Washguard® Motors
Premium - All-Stainless Motors

Three Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56HC	**117269.00**	√	1,404	CZ6T34VK19	35	208-230/460	1.6	82.5	1.15	10.47	S, US, 12
1/2	1800	S56C	**103387.00**	√	1,408	CZ4T17VK2	31	208-230/460	1.8	76.0	1.15	11.49	S, US, 12
1/2	1800	56HC	**117266.00**	√	1,504	CZ6T17VK46	35	208-230/460	1.6	78.5	1.15	11.22	S, US, 12
1/2	1800	56HC	**117762.00**	√	1,504	CZ6T17VK52	36	208-230/460	1.8	78.5	1.15	13.13	S, US, 13
1/2	1200	56HC	**117275.00**	√	1,876	CZ6T11VK5	35	208-230/460	2.3	77.0	1.15	11.47	S, US, 12
3/4	3600	56HC	**117271.00**	√	1,454	CZ6T34VK20	40	208-230/460	2.4	84.0	1.15	10.97	S, US, 12
3/4	1800	S56C	**103388.00**	√	1,460	CZ4T17WK1	28	208-230/460	2.4	77.0	1.15	12.50	S, US, 13
3/4	1800	56HC	**117267.00**	√	1,561	CZ6T17VK47	41	208-230/460	2.3	80.0	1.15	11.72	S, US, 12
3/4	1200	56HC	**117276.00**	√	1,939	CZ6T11VK6	46	208-230/460	3.0	78.5	1.15	13.22	S, US, 12
1	3600	56HC	**117273.00**	√	1,591	CZ6T34VK21	43	208-230/460	2.6	85.5	1.15	13.04	S, US, 12
1	1800	56HC	**119973.00**	√	1,832	CZ6T17VK74	42	208-230/460	——	85.5	1.15	——	S, US, 12
1	1800	56HC	**119491.00**	√	1,832	CZ6T17WK52	42	208-230/460	3.2	85.5	1.15	11.94	S, US, 13
1	1800	143TC	**121873.00**	√	1,888	CZ143T17WK12	50	208-230/460	3.2	85.5	1.15	12.00	S, US, 13
1	1200	56HC	**119492.00**	√	2,032	CZ6T11WK12	51	208-230/460	3.8	82.5	1.15	12.69	S, US, 13
1 1/2	3600	143TC	**121874.00**	√	1,904	CZ143T34WK7	45	208-230/460	4.0	84.0	1.15	11.75	S, US, 13
1 1/2	1800	56HC	**119494.00**	√	1,906	CZ6T17WK56	51	208-230/460	4.4	86.5	1.15	11.94	S, US, 13
1 1/2	1800	145TC	**121875.00**	√	1,931	CZ145T17WK32	49	208-230/460	4.8	86.5	1.15	12.75	S, US, 13
1 1/2	1200	182TC	**132565.00**	√	2,809	C182T11WK2	85	208-230/460	6.0	87.5	1.15	14.27	S, US, 13
2	3600	145TC	**121876.00**	√	2,260	CZ145T34WK18	49	208-230/460	4.8	85.5	1.25	12.75	S, US, 13
2	1800	56HC	**119495.00**	√	2,239	CZ6T17WK54	52	208-230/460	5.8	86.5	1.15	13.19	S, US, 13
2	1800	145TC	**121877.00**	√	2,283	CZ145T17WK33	50	208-230/460	5.8	86.5	1.25	13.25	S, US, 13
3	3600	145TC	**121878.00**	√	2,719	CZ145T34WK27	53	208-230/460	8.0	86.5	1.15	13.69	S, US, 13
3	3600	182TC	**132203.00**	√	2782	CZ182T34WK2	85	208-230/460	7.6	86.5	1.25	14.27	S, MX, 13
3	1800	182TC	**132206.00**	√	2,868	C184T17WK14	85	208-230/460	7.8	89.5	1.15	14.77	S, MX, 13
5	3600	184TC	**132207.00**	√	3,251	C184T34WK11	90	208-230/460	12.0	88.5	1.25	15.27	S, MX, 13
5	1800	184TC	**132208.00**	√	3,181	C184T17WK16	96	208-230/460	12.6	89.5	1.15	15.77	S, MX, 13
7 1/2	3600	213TC	**140825.00**	√	4,525	C213T34WK4	160	208-230/460	17.8	89.5	1.15	18.69	S, MX, 13
7 1/2	1800	213TC	**140826.00**	√	5,107	C213T17WK10	160	208-230/460	21.6	91.7	1.15	18.69	S, MX, 13
10	3600	215TC	**140827.00**	√	4,652	C215T34WK11	165	208-230/460	23.6	90.2	1.15	18.69	S, MX, 13
10	1800	215TC	**140828.00**	√	5,260	C215T17WK10	173	208-230/460	26.8	91.7	1.15	18.69	S, MX, 13

Green items are Premium Efficient

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

Premium - All-Stainless Motors

Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	48C	**103393.00**	C/A	1,191	CZ4T17VC7	25	208-230/460	1.3	70.5	1.15	9.83	S, US, 12
1/2	3600	56C	**117279.00**	√	1,378	CZ6T34VC22	35	208-230/460	1.6	82.5	1.15	10.47	S, US, 12
1/2	1800	48C	**103394.00**	√	1,216	CZ4T17VC3	27	208-230/460	1.8	76.0	1.15	11.58	S, US, 12
1/2	1800	S56C	**103389.00**	√	1,391	CZ4T17VC4	30	208-230/460	1.8	76.0	1.15	11.49	S, US, 12
1/2	1800	56C	**117270.00**	√	1,475	CZ6T17VC56	34	208-230/460	1.6	78.5	1.15	11.22	S, US, 12
3/4	3600	56C	**117280.00**	C/A	1,425	CZ6T34VC23	40	208-230/460	2.4	84.0	1.15	10.97	S, US, 12
3/4	1800	S56C	**103390.00**	√	1,423	CZ4T17WC1	33	208-230/460	2.4	77.0	1.15	12.50	S, US, 13
3/4	1800	56C	**117272.00**	√	1,522	CZ6T17VC57	40	208-230/460	2.3	80.0	1.15	11.72	S, US, 12
1	3600	56C	**117281.00**	√	1,562	CZ6T34VC24	43	208-230/460	2.6	85.5	1.15	12.22	S, US, 12
1	1800	56C	**119974.00**	√	1,790	CZ6T17VC73	——	208-230/460	——	85.5	1.15	——	S, US, 12
1	1800	56C	**119497.00**	√	1,790	CZ6T17WC57	47	208-230/460	3.2	85.5	1.15	11.94	S, US, 13
1	1800	143TC	**122202.00**	C/A	1,796	CZ143T17WC15	53	208-230/460	3.2	85.5	1.15	12.00	S, US, 13
1 1/2	3600	143TC	**122207.00**	√	1,873	CZ143T34WC8	55	208-230/460	4.0	84.0	1.15	12.00	S, US, 13
1 1/2	1800	56C	**117282.00**	D	1,602	CZ6T17WC28	49	208-230/460	4.4	84.0	1.15	11.94	S, US, 13
1 1/2	1800	56C	**119498.00**	√	1,880	CZ6T17WC52	52	208-230/460	4.8	86.5	1.15	12.94	S, US, 13
1 1/2	1800	145TC	**122203.00**	√	1,885	CZ145T17WC49	58	208-230/460	4.8	86.5	1.15	12.75	S, US, 13
2	3600	145TC	**G121561.00**	D	1,929	CZ145T34WC20	54	208-230/460	5.2	84.0	1.15	12.50	S, US, 13
2	3600	145TC	**122205.00**	√	2,210	CZ145T34WC24	57	208-230/460	4.8	85.5	1.15	13.25	S, US, 13
2	1800	56C	**119499.00**	√	2,192	CZ6T17WC58	51	208-230/460	5.8	86.5	1.15	13.25	S, US, 13
2	1800	145TC	**122204.00**	√	2,198	CZ145T17WC48	63	208-230/460	5.8	86.5	1.15	13.25	S, US, 13
3	3600	145TC	**122206.00**	√	2,665	CZ145T34WC25	58	208-230/460	8.0	86.5	1.15	13.69	S, US, 13
3	1800	182TC	**132447.00**	√	2,789	C182T17WC12	91	208-230/460	7.8	89.5	1.15	14.77	S, MX, 13
5	3600	184TC	**132449.00**	√	3,169	C184T34WC11	100	208-230/460	12.0	88.5	1.15	15.27	S, MX, 13
5	1800	184TC	**132448.00**	√	3,118	C184T17WC106	105	208-230/460	12.6	89.5	1.15	15.77	S, MX, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

Premium All Stainless Motors with Shaft Grounding Rings (SGRs)

AEGIS® BEARING PROTECTION RINGS

General Specifications:

Same design features as our standard Premium Stainless and Extreme Duck Ultra motors only having a built-in shaft grounding ring that are designed to protect motors that are used in applications that are using AC inverters to control the speed of the motors. They eliminate the stray voltages that may damage the motor's bearings.

Premium Washguard All-Stainless Motors
With Shaft Grounding Rings (SGRs)

Three Phase - Standard, EPAct & NEMA® Premium Ratings
Three-Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56HC	**117901.00**	√	1,602	CZ6T17VK53	35	208-230/460	1.6	78.5	1.15	12.54	S, US, 12
3/4	1800	56HC	**117902.00**	√	1,656	CZ6T17VK54	41	208-230/460	2.3	80.0	1.15	13.04	S, US, 12
1	1800	56HC	**117903.00**	D	1,734	CZ6T17WK38	39	208-230/460	3.1	82.5	1.15	13.13	S, US, 12
1	1800	56C	**119500.00**	√	1,873	CZ6T17WK48	41	208-230/460	3.2	85.5	1.15	11.94	S, US, 13
1	1800	143TC	**122215.00**	√	1,929	CZ143T17WK21	43	208-230/460	3.2	85.5	1.15	12.00	S, US, 13
1 1/2	1800	56HC	**119501.00**	√	1,948	CZ6T17WK49	54	208-230/460	4.8	86.5	1.15	12.94	S, US, 13
1 1/2	1800	145TC	**122030.00**	√	2,014	CZ145T17WK52	56	208-230/460	4.4	86.5	1.15	13.69	S, US, 13
2	1800	56HC	**119502.00**	√	2,274	CZ6T17WK50	70	208-230/460	5.8	86.5	1.15	13.44	S, US, 13
2	1800	145TC	**122031.00**	√	2,354	CZ145T17WK53	71	208-230/460	5.6	86.5	1.25	13.69	S, US, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Washguard® Motors

Premium - All-Stainless Motors

Single Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56HC	**116343.00**	√	1,574	NZ6C17VK1	35	115/208-230	2.7	1.15	12.20	S, US, 6, 12
1/2	3600	56HC	**116344.00**	√	1,558	NZ6C34VK2	38	115/208-230	3.8	1.15	12.20	S, US, 6, 12
1/2	1800	56HC	**116345.00**	√	1,597	NZ6C17VK2	38	115/208-230	3.3	1.15	12.70	S, US, 6, 12
3/4	1800	56HC	**116346.00**	√	1,688	NZ6K17VK2	42	115/208-230	3.8	1.15	12.70	S, US, 6, 12
3/4	1200	56H	**116919.00**	√	1,765	UZ6K11VB1	44	115/208-230	4.2	1.15	13.88	S, US, 6, 12 ♠
1	3600	56HC	**116347.00**	√	1,767	NZ6C34VK1	49	115/208-230	6.0	1.15	13.70	S, US, 6, 12
1	1800	56HC	**116348.00**	√	1,755	NZ6K17VK1	49	115/208-230	4.5	1.15	13.70	S, US, 6, 12
1 1/2	3600	56HC	**116482.00**	C/A	1,851	CZ6K34WK1	49	115/208-230	6.8	1.15	13.81	S, US, 13
1 1/2	1800	145TC	**121622.00**	√	1,824	CZ145K17WK2	53	115/208-230	7.4	1.15	14.81	S, US, 13
2	3600	145TC	**121623.00**	C/A	2,022	CZ145K34WK1	57	115/208-230	8.8	1.15	14.81	S, US, 13
2	1800	145TC	**121632.00**	C/A	2,104	CZ145K17WK1	57	115/208-230	10.0	1.15	14.81	S, US, 13

Note ♠: Motor 116919.00 is Rigid Mount only - no C Face
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	**116349.00**	√	1,540	NZ6C17VC1	35	115/208-230	2.7	1.15	11.70	S, US, 12
1/2	1800	56C	**116350.00**	√	1,570	NZ6C17VC2	38	115/208-230	3.3	1.15	12.70	S, US, 12
3/4	1800	56C	**116351.00**	√	1,654	CZ6K17VC2	42	115/208-230	3.8	1.15	12.70	S, US, 12
1	1800	56C	**116352.00**	√	1,712	CZ6K17VC1	49	115/208-230	4.5	1.15	13.70	S, US, 12
1 1/2	1800	145TC	**121624.00**	C/A	1,739	CZ145K17WC2	53	115/208-230	7.4	1.15	14.87	S, US, 13
2	1800	145TC	**121633.00**	C/A	2,000	CZ145K17WC1	57	115/208-230	10.0	1.15	14.87	S, US, 13

C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

Stainless Steel Brakemotors & JM Pump Motors

Stainless Steel Brakemotors

Three Phase - TENV - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft. lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	**116483.00**	√	5,503	CZ6T17VK31	59	208-230/460	1.6	78.5	1.15	15.85	S, US, 12
1	1800	56C	6	**119785.00**	√	6,197	CZ6T17VK61	65	208-230/460	3.2	85.5	1.15	15.56	S, US, 12

Green items are Premium Efficient

Note 12 - TENV

♥ Note listing on inside back flap

Specifications are subject to change without notice

Stainless Steel JM Pump Motors

Three Phase - TEFC - JM Pump - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	**G121626.00**	D	1,635	CZ143T17WK18	55	208-208-230/460	3.0	82.5	1.15	16.00	S, US
1	1800	143JM	**122208.00**	√	1782	CZ143T17WK22	59	208-230/460	3.2	85.5	1.15	16.00	S, US
1 1/2	3600	143JM	**G121627.00**	D	1,636	CZ143T34WK11	55	208-208-230/460	4.0	82.4	1.15	16.00	S, US
1 1/2	3600	143JM	**122210.00**	√	1,780	CZ143T34WK12	58	208-208-230/460	4.0	84.0	1.15	16.00	S, US
1 1/2	1800	145JM	**122209.00**	C/A	1,818	CZ145T17WK61	58	208-208-230/460	4.8	86.5	1.15	16.00	S, US
2	3600	145JM	**G121629.00**	D	1,944	CZ145T34WK24	56	208-208-230/460	5.2	84.0	1.15	16.00	S, US
2	3600	145JM	**122212.00**	C/A	2,119	CZ145T34WK40	59	208-208-230/460	4.8	85.5	1.15	16.50	S, US
2	1800	145JM	**122211.00**	√	2142	CZ145T17WK59	60	208-208-230/460	5.8	86.5	1.15	17.00	S, US
3	3600	145JM	**122213.00**	√	2,558	CZ145T34WK41	62	208-208-230/460	8.0	86.5	1.15	16.50	S, US
3	1800	182JM	**G131996.00**	D	2,472	C182T17WK16	85	208-208-230/460	8.2	87.5	1.15	16.20	S, MX
3	1800	182JM	**132450.00**	√	2713	C182T17WK19	90	208-230/460	3.9	89.5	1.15	16.20	S, MX
5	3600	184JM	**G131997.00**	D	2,726	C184T34WK14	90	208-208-230/460	12.0	87.5	1.15	16.20	S, MX
5	3600	184JM	**132451.00**	√	2992	C184T34WK17	97	208-230/460	12.0	88.5	1.15	16.77	S, MX
5	1800	184JM	**132452.00**	√	2,993	C184T17WK23	103	208-230/460	12.6	89.5	1.15	17.27	S, MX
7 1/2	3600	213JM	**141274.00**	C/A	4,608	C213T34WK8	167	208-230/460	18.6	89.5	1.15	19.81	S, MX
7 1/2	1800	213JM	**141273.00**	C/A	4,665	C213T17WK18	169	208-230/460	19.6	91.7	1.15	19.81	S, MX
10	3600	215JM	**141275.00**	C/A	4,813	C215T34WK14	169	208-230/460	23.6	90.2	1.15	19.81	S, MX
10	1800	215JM	**141276.00**	√	4,824	C215T17WK17	178	208-230/460	26.4	91.7	1.15	19.81	S, MX

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Washguard® Motors

IEC Washguard All-Stainless AC Motors

IEC B5 Flange - Round Body - Three Phase - TENV/TEFC

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	**103403.00**	√	1,455	CZ4T17VZ16	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
1/3-0.25	1800	80	**103405.00**	√	1,455	CZ4T17VZ17	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
1/2-0.37	1800	71	**103404.00**	√	1,504	CZ4T17VZ6	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
1/2-0.37	1800	80	**103406.00**	√	1,504	CZ4T17VZ7	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
3/4-0.55	1800	80	**103407.00**	√	1,595	CZ4T17WZ9	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13
1- 0.75	1800	90	**119507.00**	√	1,855	CZ6T17WC55	47	208-230/460	3.2	85.5	1.15	12.59	S, US, 13
1.5 - 1.1	1800	90	**119508.00**	√	1,942	CZ6T17WC60	52	208-230/460	4.8	86.5	1.15	13.09	S, US, 13
2 - 1.5	1800	90	**119509.00**	√	2,117	CZ6T17WC59	49	208-230/460	5.8	86.5	1.15	13.84	S, US, 13

Green items are Premium Efficient

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC B14 Flange - Round Body - Three Phase - Totally Enclosed

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	**103395.00**	√	1,455	CZ4T17VZ13	30	208-230/460	1.3	70.5	1.15	9.83	S, US, 12
1/3-0.25	1800	80	**103397.00**	√	1,455	CZ4T17VZ14	30	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	71	**103396.00**	√	1,504	CZ4T17VZ3	32	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
1/2-0.37	1800	80	**103398.00**	√	1,504	CZ4T17VZ4	32	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
3/4-0.55	1800	80	**103399.00**	√	1,595	CZ4T17WZ7	38	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC B3/ B5 Flange - Rigid Base - Three Phase - Totally Enclosed

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	**103408.00**	√	1,480	CZ4T17VZ18	30	208-230/460	1.3	70.5	1.15	9.50	S, US, 12
1/2-0.37	1800	80	**103409.00**	√	1,526	CZ4T17VZ8	32	208-230/460	1.6	76.0	1.15	12.75	S, US, 12
3/4-0.55	1800	80	**103410.00**	√	1,627	CZ4T17WZ10	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC B3 / B14 Flange - Rigid Base - Three Phase - Totally Enclosed

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	**103400.00**	√	1,504	CZ4T17VZ15	31	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	80	**103401.00**	√	1,662	CZ4T17VZ5	33	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
3/4-0.55	1800	80	**103402.00**	√	1,722	CZ4T17WZ8	39	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Motors

NEMA® and IEC Washguard
All-Stainless DC Motors - SCR Rated
IP 55 Enclosure Protection

TEFC - SCR Rated 90 & 180V - NEMA - C Face With Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	**109065.00**	√	1,420	4D17VK24	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	**109066.00**	√	1,501	4D17VK25	44	90	115	3.8	12.81	S, US, 12
1/3	1750	S56C	**109067.00**	√	1,501	4D17VK26	44	180	230	1.9	12.81	S, US, 12
1/2	1750	S56C	**109069.00**	√	1,754	4D17WK9	46	90	115	5.2	13.87	S, US, 13
1/2	1750	S56C	**109070.00**	√	1,754	4D17WK10	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	**109072.00**	√	2,136	4D17WK13	47	90	115	7.5	15.37	S, US, 13
3/4	1750	S56C	**109073.00**	√	2,136	4D17WK14	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	**109075.00**	√	2,478	4D17WK16	51	90	115	9.5	16.37	S, US, 13
1	1750	S56C	**109076.00**	√	2,478	4D17WK17	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V • NEMA - C Face Less Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	**109078.00**	√	1,386	4D17VC5	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	**109079.00**	√	1,468	4D17VC6	44	90	115	3.8	12.81	S, US, 13
1/3	1750	S56C	**109080.00**	√	1,468	4D17VC7	44	180	230	1.9	12.81	S, US, 13
1/2	1750	S56C	**109082.00**	√	1,722	4D17WC2	46	90	115	5.2	13.87	S, US, 13
1/2	1750	S56C	**109083.00**	√	1,722	4D17WC3	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	**109085.00**	√	2,103	4D17WC5	47	90	115	7.5	15.37	S, US, 13
3/4	1750	S56C	**109086.00**	√	2,103	4D17WC6	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	**109088.00**	√	2,447	4D17WC8	51	90	115	9.5	16.37	S, US, 13
1	1750	S56C	**109089.00**	√	2,447	4D17WC9	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Washguard® Motors

Metric (IEC) Frame PMDC Motors
All-Stainless DC Motors - SCR Rated
IP55 Enclosure Protection

TEFC - SCR Rated 90 & 180V - C Face With Base

HP/kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	**109068.00**	√	1,501	4D17VK27	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	**109071.00**	√	1,754	4D17WK11	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	**109074.00**	√	2,136	4D17WK15	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	**109077.00**	√	2,478	4D17WK18	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V - Metric (IEC) - All-Stainless Steel - C Face Less Base

HP/kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	**109081.00**	√	1,468	4D17VC8	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	**109084.00**	√	1,722	4D17WC4	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	**109087.00**	√	2,103	4D17WC7	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	**109090.00**	√	2,447	4D17WC10	50	180	230	5.0	16.37	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Flange And Face Kits For DC Metric (IEC) Frame Motors

The modular design concept of LEESON's other metric DC motors has been applied to the all-stainless metric motors. Any flange or face kit can mount on any motor. This allows the greatest flexibility from the smallest inventory of motors.

B5 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	**175593.00**	189	2	160	110	9	130
80	**175594.00**	228	3	200	130	12	165
90S/90L	**175594.00**	228	3	200	130	12	165
100L/112M	**175595.00**	356	5	250	180	15	215

Specifications are subject to change without notice

B14 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	**175596.00**	144	1	105	70	6	85
80	**175597.00**	144	1	120	80	6	100
90S/90L	**175598.00**	392	1	140	95	6	115
100L/112M	**175599.00**	356	2	160	110	6	130

Specifications are subject to change without notice

Washguard® Motors

Extreme Duck® Ultra Washguard All-Stainless Motors
Three Phase - Standard, EPAct & NEMA® Premium Ratings

Plant Engineering PRODUCT of the YEAR® Winner 2015

General Specifications:

These revolutionary designed stainless steel motors are built using our "Voice of the customer" design criteria to withstand extreme washdown and sanitation requirements of the food processing, pharmaceutical, packaging and beverage industries. Our innovative hydro sealed system "HS2" protects from the "outside-in" by reducing entrance points of contaminants and eliminates the need for drain plugs and breathers. This proven process also minimizes exterior hardware, which may trap application elements. Our unique rotor/cartridge seal system, "Q-CAR", gives quick access to the interior of the motor should the need arise. 300-Series Stainless Steel used on all exterior surfaces gives ideal protection against severe chemical-processing applications and frequent washdown processes using salt water, nitric acids and solvents.

Mechanical Protection Features:

- Q-Car™ rotor cartridge design for quick access to the interiorl
- Full-fact nameplate etched in frame
- Double-sealed ball bearings with high temperature grease
- Non-wicking lead wires
- Two-piece shaft seal with flinger
- Color-coded motor leads
- Chemical and abrasion resistant lead markers
- Conduit box rotates 360 degrees on TEFC models
- Conduit box lead hole location rotatable on TEFC designs
- NEMA Premium efficiency - 1 HP and above
- Enhanced encapsulation process
- IP69K enclosure protection

Electrical Performance and Protection Features:

- Total winding encapsulation using an epoxy resin
- LEESON's exclusive IRIS® Inverter-Rated Insulation System provides extra protection and long life, especially when used in applications driven by an Inverter
- 3 year warranty
- 10:1 constant torque operation

Standards and Approvals

- Motors are UL component recognized – file number E57948, guide number PRGY2
- CSA Energy Efficiency Verification Program, report number EEV 78720-1
- Construction is CSA Certified for safety, report number LR33543 and listed under BISSC authorization number 769

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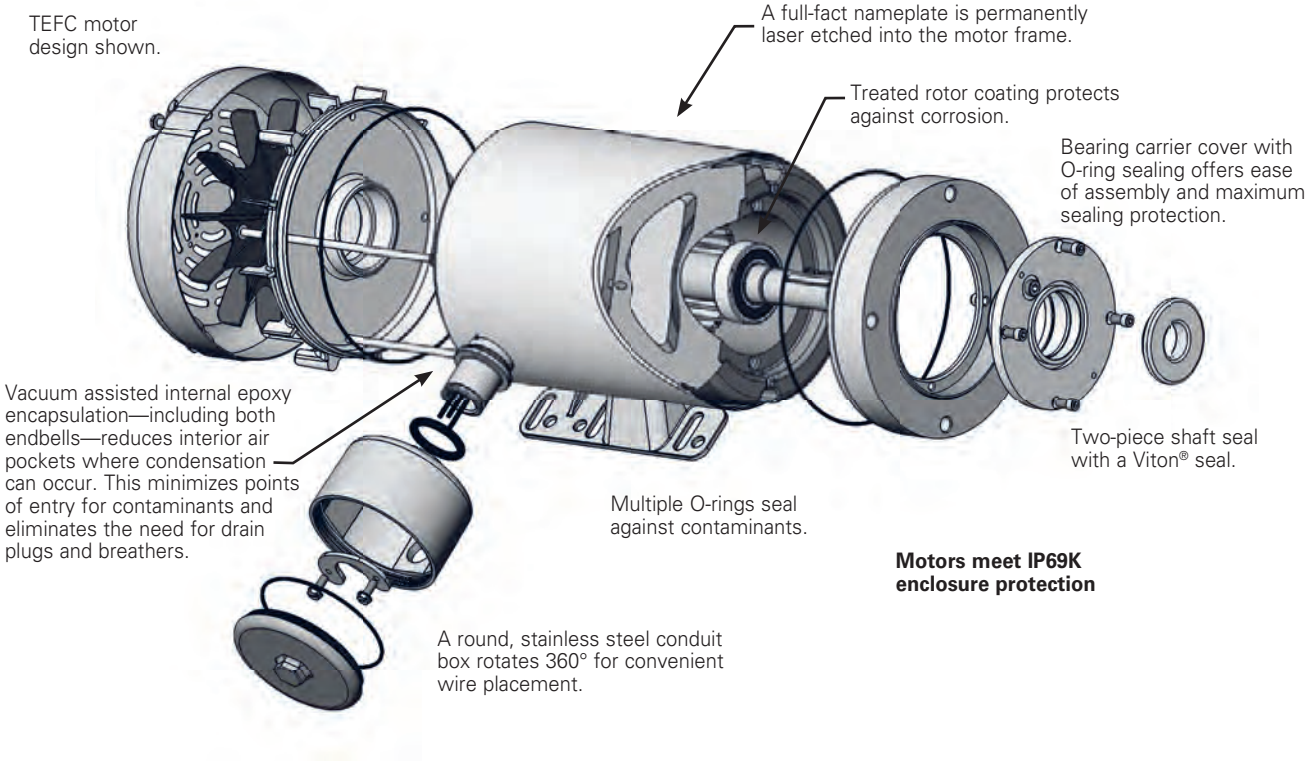
Washguard® Motors

Extreme Duck® Ultra Washguard All-Stainless Motors
Three Phase - Standard, NEMA® Premium

Plant Engineering PRODUCT of the YEAR® Winner 2015

ExtremeDuckUltra

300 Series stainless steel components include the frame, base, conduit box cover, endshields and bearing carrier cover. It's the perfect motor design for extreme washdown conditions.



The all new Extreme. It's not your average duck.

- **Extreme** Sealing
- **Extreme** Durability
- **Extreme** Confidence

The New ExtremeDuckUltra.

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Washguard® Motors

Extreme Duck® Ultra Washguard All-Stainless Motors

Three Phase - Standard, EPAct & NEMA® Premium Ratings

Three Phase - Totally Enclosed - C Face With Base - IP69K

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	**117118.00**	√	1,572	CZ6T34VK16	39	208-230/460	1.6	82.5	1.15	10.47	S, US, 12
1/2	1800	S56C	**103411.00**	√	1,555	CZ4T17VK1	33	208-230/460	1.6	76.0	1.15	11.49	S, US, 12
1/2	1800	56C	**117119.00**	√	1,654	CZ6T17VK43	40	208-230/460	1.6	78.5	1.15	10.72	S, US, 12
1/2	1200	56C	**119266.00**	√	1,765	CZ6T11VK7	43	208-230/460	2.3	77.0	1.15	11.71	S, US, 12
3/4	3600	56C	**117120.00**	√	1,627	CZ6T34VK17	46	208-230/460	2.4	84.0	1.15	10.47	S, US, 12
3/4	1800	S56C	**103412.00**	√	1,654	CZ4T17WK2	39	208-230/460	2.3	77.0	1.15	12.50	S, US, 13
3/4	1800	56C	**117121.00**	√	1,717	CZ6T17VK44	47	208-230/460	2.3	80.0	1.15	11.22	S, US, 12
3/4	1200	56C	**119267.00**	√	1,823	CZ6T11VK8	50	208-230/460	3.0	78.5	1.15	12.69	S, US, 12
1	3600	56C	**117122.00**	√	1,747	CZ6T34VK18	48	208-230/460	2.6	85.5	1.15	10.97	S, US, 12
1	1800	56C	**119975.00**	√	1,904	CZ6T17VK75	53	208-230/460	——	85.5	1.15	——	S, US, 12
1	1800	56C	**119511.00**	√	1,904	CZ6T17WK51	53	208-230/460	3.2	85.5	1.15	11.94	S, US, 13
1	1800	143TC	**122219.00**	√	1,929	CZ143T17VK5	55	208-230/460	3.2	85.5	1.15	12.00	S, US, 13
1	1200	56C	**119268.00**	D	1,860	CZ6T11WK9	53	208-230/460	4.2	78.5	1.15	12.69	S, US, 13
1	1200	56C	**119513.00**	√	2,089	CZ6T11WK13	55	208-230/460	3.8	82.5	1.15	12.69	S, US, 13
1 1/2	3600	143TC	**G121748.00**	D	1,854	CZ143T34WK4	54	208-230/460	4.0	82.5	1.15	11.00	S, US, 13
1 1/2	3600	143TC	**121879.00**	√	1,983	CZ143T34WK8	54	208-230/460	4.0	84.0	1.15	11.75	S, US, 13
1 1/2	1800	56C	**117296.00**	D	1,847	CZ6T17WK30	56	208-230/460	4.4	84.0	1.15	11.69	S, US, 13
1 1/2	1800	56C	**119522.00**	√	1,965	CZ6T17WK57	58	208-230/460	4.8	86.5	1.15	12.69	S, US, 13
1 1/2	1800	145TC	**121880.00**	√	1,976	CZ143T17WK13	56	208-230/460	4.4	86.5	1.15	12.75	S, US, 13
2	3600	145TC	**121881.00**	√	2,292	CZ145T34WK19	56	208-230/460	5.2	85.5	1.15	12.75	S, US, 13
2	1800	56HC	**119523.00**	√	2,305	CZ6T17WK53	61	208-230/460	5.8	86.5	1.15	13.19	S, US, 13
2	1800	145TC	**121882.00**	√	2,316	CZ145T17WK34	57	208-230/460	5.6	86.5	1.15	13.25	S, US, 13
3	3600	56C	**119526.00**	√	2,372	CZ6T34WK37	62	208-230/460	8.0	86.5	1.15	12.69	S, US, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Washguard® Motors

Extreme Duck® Ultra Washguard All-Stainless Motors
Three Phase - Standard, EPAct & NEMA® Premium Ratings

Three Phase - Totally Enclosed - C Face Less Base - IP69K

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	48C	**103417.00**	√	1,577	CZ4T17VC8	30	208-230/460	1.3	70.5	1.15	9.58	S, US, 12
1/2	3600	56C	**117126.00**	√	1,540	CZ6T34VC19	38	208-230/460	1.6	82.5	1.15	10.47	S, US, 12
1/2	1800	48C	**103418.00**	√	1,642	CZ4T17VC2	32	208-230/460	1.6	76.0	1.15	11.33	S, US, 12
1/2	1800	S56C	**103413.00**	√	1,460	CZ4T17VC1	32	208-230/460	1.6	76.0	1.15	11.49	S, US, 12
1/2	1800	56C	**117127.00**	√	1,623	CZ6T17VC53	39	208-230/460	1.6	78.5	1.15	10.72	S, US, 12
3/4	3600	56C	**117128.00**	√	1,595	CZ6T34VC20	45	208-230/460	2.4	84.0	1.15	10.47	S, US, 12
3/4	1800	S56C	**103414.00**	C/A	1,549	CZ4T17WC2	38	208-230/460	2.3	77.0	1.15	12.50	S, US, 13
3/4	1800	56C	**117129.00**	√	1,688	CZ6T17VC54	46	208-230/460	2.3	80.0	1.15	11.22	S, US, 12
1	3600	56C	**117130.00**	√	1,715	CZ6T34VC21	47	208-230/460	2.6	85.5	1.15	10.97	S, US, 12
1	1800	56C	**119976.00**	√	1,902	CZ6T17VC74	——	208-230/460	——	85.5	1.15	——	S, US, 12
1	1800	56C	**119512.00**	√	1,902	CZ6T17WC53	54	208-230/460	3.2	85.5	1.15	12.19	S, US, 13
1 1/2	3600	143TC	**121750.00**	D	1,824	CZ143T34WC2	53	208-230/460	4.0	82.5	1.15	11.00	S, US, 13
1 1/2	3600	143TC	**121908.00**	√	1,950	CZ143T34WC6	53	208-230/460	4.0	84.0	1.15	11.75	S, US, 13
1 1/2	1800	56C	**119520.00**	√	1,940	CZ6T17WC53	56	208-230/460	4.8	86.5	1.15	0.00	S, US, 13
1 1/2	1800	145TC	**121751.00**	D	1,817	CZ143T17WC5	55	208-230/460	4.4	84.0	1.15	11.25	S, US, 13
1 1/2	1800	145TC	**121909.00**	√	1,945	CZ143T17WC11	55	208-230/460	4.4	86.5	1.15	12.75	S, US, 13
2	3600	145TC	**121910.00**	√	2,260	CZ145T34WC18	55	208-230/460	5.2	85.5	1.15	12.75	S, US, 13
2	1800	145TC	**121911.00**	√	2,284	CZ145T17WC36	56	208-230/460	5.6	86.5	1.15	13.25	S, US, 13
2	1800	56C	**119524.00**	√	2,274	CZ6T17WC376	60	208-230/460	5.8	86.5	1.15	13.19	S, US, 13
3	3600	56C	**119525.00**	√	2,353	CZ6T34WC375	61	208-230/460	8.0	86.5	1.15	12.94	S, US, 13

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

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LEESON®

Washguard® Motors

Extreme Duck® Ultra Motors with Shaft Grounding Rings (SGRs)
SGRs help prevent bearing damage when running motors with AC Controls

AEGIS® BEARING PROTECTION RINGS

Three Phase - Totally Enclosed - Rigid C Face - IP69K

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**117906.00**	√	1,746	CZ6T17VK55	40	208-230/460	1.6	78.5	1.15	10.72	S, US, 12
3/4	1800	56C	**117907.00**	√	1,807	CZ6T17VK56	47	208-230/460	2.3	80.0	1.15	11.22	S, US, 12
1	1800	56C	**119527.00**	√	1,976	CZ6T17FK112	55	208-230/460	3.2	85.5	1.15	11.97	S, US, 13
1 1/2	1800	56C	**119528.00**	√	2,019	CZ6T17WK389	58	208-230/460	4.8	85.5	1.15	12.69	S, US, 13
1 1/2	1800	145TC	**122221.00**	√	2,032	CZ143T17WK23	59	208-230/460	4.8	86.5	1.15	12.75	S, US, 13
2	1800	56C	**119529.00**	√	2,359	CZ6T17WK55	61	208-230/460	5.8	86.5	1.15	13.19	S, US, 13
2	1800	145TC	**122222.00**	√	2,359	CZ145T17WK60	62	208-230/460	5.8	86.5	1.15	13.25	S, US, 13
3	3600	56C	**119530.00**	√	2,459	CZ6T34WK36	64	208-230/460	8.0	86.5	1.15	13.19	S, US, 13

Green items are Premium Efficient
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Totally Enclosed - C Face Less Base - IP69K

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	56C	**119531.00**	√	2,441	CZ6T34WC34	62	208-230/460	8.0	86.5	1.15	13.19	S, US, 13
3	1800	56C	**122118.00**	D	2,392	CZ145T17WC42	61	208-230/460	8.6	82.5	1.15	13.19	S, US, 13

Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted
Note 13 - TEFC
Note: No Premium Eff. replacement for 122118.00

♥ Note listing on inside back flap
Specifications are subject to change without notice

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DE-FEATHERING

SCALDING

FEEDING

CUTTING

PROCESSING

SLICING

INSPECTION

DE-BONING

There's a LEESON® Washguard® Motor for every location in your facility.

LEESON offers more than 200 off-the-shelf solutions to everyday washdown motor needs. What's more, LEESON offers washdown-rated gear reducers and AC and DC controls to complement our washdown motor line. And, when you need a specially engineered custom solution to your washdown application, think LEESON. Our flexible manufacturing processes enable custom products to be manufactured in small or large quantities.

THE MOTORS THAT STAND UP TO WASHDOWN.

LEESON® WASHGUARD® MOTORS FEATURES AT A GLANCE

FEATURE	WHITE DUCK	WASHGUARD II	SST DUCK	STAINLESS DUCK	EXTREME DUCK® ULTRA
SEALING ADVANTAGES					
Complete motor encapsulation					■
Interior corrosion protection	■	■	■	■	■
Motor breather plugs/drain plugs	■	■	■	■	Not needed for total encapsulation
Shaft seals on both ends of TEFC motors	■	■	■	■	■
Two-piece shaft seal					■
Viton®* seals between endbells and frame				■	■
O-ring sealed openings				■	■
Potted lead entrance					■
INSTALLATION AND MAINTENANCE					
Color-coded leads					■
Non-wicking lead wires					■
Sealed bearings	■	■	■	■	■
Internally locked shaft-end bearing	■	■	■	■	■
Screw-on conduit box cover				■ ①	■
360° rotatable conduit box					■
Q-Car rotor cartridge change-out				■	■
CERTIFICATIONS					
Nameplate permanently etched in frame			■	■	■
60Hz and 50Hz data on nameplate	■	■	■	■	■
CE mark on nameplate	■	■	■	■	■
Standard motors built with Inverter-rated Insulation System and marked on nameplate (1 HP and higher)	■	■	■	■	■
IP Ratings	IP55	IP55	IP55	IP56	IP69K
UL, CSA listed	■	■	■	■	■
BISCC approved		■			■
SPECIAL CONSIDERATIONS					
Pump motor designs	■			■	
Brakemotor designs	■			■	
DC motors available	■			■	
Metric designs available				■	■
3-year warranty	■ ②	■ ②	■ ②	■ ②	■
Local inventory support	■	■	■	■	■

① 56/143/145T Frame Ratings ② Premium Efficient Motors

EXTREME DUCK ULTRA HANDLES THE HARSHEST WASHDOWN ENVIRONMENTS.

1. Poultry processing plants. 2. Cheese processing plants. 3. Water bottling plants.
4. Conveying for bottling industry for breweries. 5. Chemical processing plants.
6. Pharmaceutical plants. 7. Brewery equipment. 8. Seafood processing plants.

Viton is a trademark of Chemours Company.
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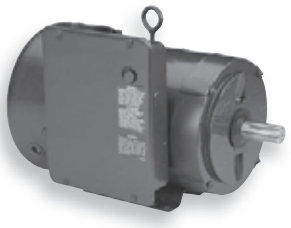
General Purpose & Definite Purpose - Agricultural Duty Motors



- Gasketed capacitor cases and conduit box covers
- Meets or exceeds NEMA® service factors
- Single phase and three phase designs
- Double sealed ball bearings
- Double shielded ball bearings on ag fan motors
- Condensate drains on general purpose ag motors
- Low temperature manual overload protected
- High and extra high starting torque ratings
- UL recognized component listing and CSA certified
- 1-year warranty
- 15HP - 1 Phase, TEFC, crop dryer motor - **NEW** page 199

Applications:
For use where exposure to water, dust and dirt exists. Ideally suited for use in farm / ag equipment such as feeders, conveyors, fans, grain elevators, silo unloaders, and other demanding farm duty equipment.

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LEESON®

Agricultural Duty Motors

High Torque - General Purpose

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	**113256.00**	√	492	M6C17FB66	20	115/208-230	Man.	3.2	1.15	10.81	S, US
1/3	1800	56	**LM24789**	√	496	SRF4S0.33T1C6028AP7TP1	24	115/208-230	Man.	3.3	1.15	12.82	S, MX
1/2	1800	56	**110086.00**	√	572	M6C17FB11	22	115/208-230	Man.	4.4	1.15	10.81	S, US
1/2	1800	56	**LM24790**	√	582	SRF4S0.5T1C6028AP7TP1	25	115/208-230	Man.	4.4	1.15	11.82	S, MX
3/4	1800	56	**110087.00**	√	676	M6C17FB9	26	115/208-230	Man.	5.4	1.15	11.31	S, US
3/4	1800	56	**LM24791**	√	684	SRF4S0.75T1C6028AP7TP1	30	115/208-230	Man.	5.5	1.15	12.32	S, MX
1	1800	56	**110088.00**	√	777	M6C17FB10	30	115/208-230	Man.	7.0	1.15	11.81	S, US
1	1800	56	**LM24792**	√	782	SRF4S1T1C6028AP7TP1	32	115/208-230	Man.	6.7	1.15	12.82	S, MX
1	1800	143T	**121569.00**	√	782	M143C17FB13	30	115/208-230	Man.	7.0	1.15	12.75	S, US
1	1800	143T	**LM24793**	√	800	SSF4S1T1C6028AP7TP1	35	115/208-230	Man.	6.7	1.15	12.87	S, MX
1 1/2	1800	56H	**110089.00**	√	866	M6K17FB3	41	115/208-230	Man.	8.6	1.15	12.61	S, US
1 1/2	1800	56H	**LM24794**	√	883	SRF4S1.5T1B6028AP7TP1	41	115/208-230	Man.	7.6	1.15	13.82	S, MX
1 1/2	1800	56HZ	**113938.00**	√	882	M6K17FB39	39	115/208-230	Man.	8.6	1.15	13.25	S, US, 3, 53
1 1/2	1800	145T	**LM24795**	√	883	SSF4S1.5T1B6028AP7TP1	42	115/208-230	Man.	7.6	1.15	13.87	S, MX
2	1800	56HZ	**110090.00**	√	1,242	M6K17FB4	43	230	Man.	9.2	1.15	13.75	S, US, 3, 53
2	1800	182T	**131541.00**	√	1,324	P182C17FB12	50	115/208-230	Man.	12.4	1.15	14.46	S, MX
3	1800	184T	**131542.00**	√	1,387	P184C17FB13	83	230	Man.	19.0	1.15	16.46	S, MX
3	1800	184T	**LM24797**	√	1,353	SS184F4S3T1C66AP7TP1	92	230	Man.	19.0	1.15	16.46	S, MX
5	1800	184T	**131543.00**	√	1,738	P184K17FB16	96	230	Man.	20.5	1.15	17.46	S, MX, 53
5	1800	184T	**LM24798**	C/A	1,769	SSF4S5T1B66AP71TP1	90	230	Man.	20.5	1.15	17.46	S, MX, 53
7 1/2	1800	215T	**140707.00**	√	2,077	P215K17FB15	144	230	Man.	32.0	1.15	20.21	S, MX, 53
7 1/2	1800	215T	**LM24799**	√	2,181	SS215F4S7.5T1B66AP7TP1	130	230	Man.	30.0	1.15	21.09	S, MX, 53
10	1800	215T	**140706.00**	√	2,432	P215K17FB16	152	230	Man.	40.0	1.15	20.71	S, MX, 53

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

ECO Ag® - Premium Efficient Farm Duty Motors

Features:

- Up to 22% higher efficiency than standard Ag Motors
- Sealed bearings
- Shaft flinger - output shaft
- High starting torque
- Manual overload protected
- Weep holes provide condensation drains

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	% F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	**117689.00**	√	539	M6K17FB56	27	115/208-230	Man.	1.7	76.0	1.15	10.99	S, US, 53
1/2	1800	56	**117690.00**	√	618	M6K17FB57	30	115/208-230	Man.	2.5	78.0	1.15	11.49	S, US, 53
3/4	1800	56	**117691.00**	√	743	M6K17FB60	35	115/208-230	Man.	3.2	82.0	1.15	11.99	S, US, 53
1	1800	56	**117692.00**	√	837	M6K17FB58	37	115/208-230	Man.	4.2	83.0	1.15	12.49	S, US, 53
1	1800	143T	**121973.00**	√	848	M143K17FB3	38	115/208-230	Man.	4.2	83.0	1.15	12.93	S, US, 53
1 1/2	1800	56H	**117693.00**	√	953	M6K17FB59	43	115/208-230	Man.	6.5	84.0	1.15	13.49	S, US, 53
1 1/2	1800	145T	**121974.00**	√	969	M143K17FB4	44	115/208-230	Man.	6.5	84.0	1.15	13.93	S, US, 53
2	1800	145T	**121975.00**	√	1,312	M145K17FB29	49	230	Man.	8.2	85.0	1.15	14.43	S, US, 53

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Ag Duty Motors - Eco Ag® Designs

Features:

- Premium efficient designs
- Double sealed ball bearings
- Shaft flinger - output shaft
- Normally closed thermostat protected
- Weep holes provide condensation drains

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	% F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	**117772.00**	√	601	C6T17FB163	30	208-230/460	T-stat	1.8	77.0	1.15	11.31	S, US
3/4	1800	56	**117759.00**	√	659	C6T17FB160	31	208-230/460	T-stat	2.4	81.5	1.15	11.31	S, US
1	1800	56	**117760.00**	√	807	C6T17FB161	32	208-230/460	T-stat	3.2	85.5	1.15	12.81	S, US
1 1/2	1800	56H	**117761.00**	√	822	C6T17FB162	34	208-230/460	T-stat	4.8	86.5	1.15	13.31	S, US
1 1/2	1800	145T	**121997.00**	√	835	C145T17FB98	35	208-230/460	T-stat	4.8	86.5	1.15	13.75	S, US
2	1800	145T	**121998.00**	√	870	C145T17FB99	45	208-230/460	T-stat	5.8	86.5	1.15	14.76	S, US
3	1800	184T	**132328.00**	√	982	C182T17FB54	80	208-230/460	T-stat	7.8	89.5	1.15	14.96	S, MX
5	1800	184T	**132329.00**	√	1,078	C184T17FB67	94	208-230/460	T-stat	12.8	89.5	1.15	15.96	S, MX
7 1/2	1800	213T	**141145.00**	√	1,381	C213T17FB22	144	208-230/460	T-stat	21.4	91.7	1.15	18.70	S, MX
10	1800	215T	**141146.00**	√	1,669	C215T17FB23	161	208-230/460	T-stat	29.0	91.7	1.15	19.70	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - Rigid Base - Extra Hi-Torque - 5, 7 1/2 & 10 HP

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
2	1800	182T	**131541.00**	√	1,324	P182C17FB12	50	115/208-230	Man.	12.4	1.15	14.46	S, MX
3	1800	184T	**131542.00**	√	1,387	P184C17FB13	83	230	Man.	19.0	1.15	16.46	S, MX
5	1800	184T	**LM24802**	√	1,707	SSF4S5TB6008AP8TP1	125	208-230	Man.	22.5	1.15	17.36	S, MX
5	1800	213TZ	**LM24803**	√	2,079	SS213F4S5TZB66AP8TP1-1	126	230	Man.	22.6	1.15	18.34	S, MX, 53
5	1800	215T	**140203.00**	√	2,117	P215K17FB3	119	230	Man.	24.0	1.15	18.71	S, MX, 53
5	1800	215TZ	**140223.00**	√	2,120	P215K17FB5	150	230	Man.	24.0	1.15	18.71	S, MX, 4, 53
7 1/2	1800	215T	**140130.00**	√	2,264	P215K17FB2	144	230	Man.	33.6	1.15	20.21	S, MX, 53
7 1/2	1800	215TZ	**140209.00**	√	2,439	P215K17FB4	141	230	Man.	33.6	1.15	20.21	S, MX, 4, 53
7 1/2	1800	215TZ	**LM24804**	√	2,310	SS215F4S7.5TZ1B66AP8TP1-1	125	230	Man.	30.5	1.15	21.09	S, MX, 53
10	1800	215T	**140414.00**	√	2,653	P215K17FB6	156	230	Man.	40.0	1.15	20.71	S, MX, 53
10	1800	215T	**LM24805**	√	2,606	SSF4S10T1B66AP8TP1	150	230	Man.	30.5	1.00	21.09	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - High Torque - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	**113290.00**	√	650	M6C17FC59	28	115/208-230	Man.	3.2	1.15	10.81	S, US
1/2	1800	56C	**110492.00**	√	744	M6C17FC12	22	115/208-230	Man.	4.4	1.15	10.81	S, US
3/4	1800	56C	**110493.00**	√	871	M6C17FC13	29	115/208-230	Man.	5.4	1.15	11.31	S, US
1	1800	56C	**110494.00**	√	987	M6C17FC14	33	115/208-230	Man.	7.0	1.15	11.81	S, US
1 1/2	1800	56C	**110495.00**	√	1,122	M6K17FC3	43	115/208-230	Man.	8.6	1.15	12.31	S, US, 53
2	1800	145TC	**120855.00**	√	1,456	M145K17FC13	45	230	Man.	9.2	1.15	13.75	S, US, 53
3	1800	184TC	**131603.00**	√	1,975	P184C17FC5	104	230	Man.	19.0	1.15	16.47	S, MX
5	1800	184TC	**131602.00**	√	2,422	P184K17FC7	104	230	Man.	20.5	1.15	17.47	S, MX, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - High Torque - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	**116485.00**	√	673	M6C17FK81	29	115/208-230	Man.	3.2	1.15	10.81	S, US
1/2	1800	56C	**116486.00**	√	773	M6C17FK80	23	115/208-230	Man.	4.4	1.15	10.81	S, US
3/4	1800	56C	**116487.00**	√	898	M6C17FK79	30	115/208-230	Man.	5.4	1.15	11.31	S, US
1	1800	56C	**116488.00**	√	1,020	M6C17FK78	34	115/208-230	Man.	7.0	1.15	11.81	S, US
1 1/2	1800	56HC	**116489.00**	√	1,148	M6K17FK47	44	115/208-230	Man.	8.6	1.15	12.81	S, US, 53
2	1800	145TC	**121625.00**	√	1,463	M145K17FK11	46	230	Man.	9.2	1.15	13.75	S, US, 53
3	1800	184TC	**131994.00**	√	2,012	P184C17FK10	105	230	Man.	19.0	1.15	16.47	S, MX
5	1800	184TC	**131995.00**	√	2,434	P184K17FK13	105	230	Man.	20.5	1.15	17.47	S, MX, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Fan Duty - Single and Three Phase
Two-Winding Variable Torque PSC Type For Shaft Mounted Fan Application

Features:

- Variable torque
- PSC type for shaft mounted fan applications
- Listed speed or two speed operation using the proper auxiliary switch - reference drawing 005210.01
- Extended through-bolts
- Epoxy painted

Single Phase - TEAO - Resilient Base - PSC Type

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Z	**100803.00**	√	381	A4P17NR1	19	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
1/4	1075	48Z	**100824.00**	√	431	A4P11NR2	20	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
1/4	1075	S56Z	**100805.00**	√	477	A4P11NJ1	22	115/230	Auto.	1.4	1.0	11.06	S, MX, 17, 34
1/3	1625	48Z	**100804.00**	√	396	A4P17NR2	21	115/230	Auto.	1.6	1.0	10.66	S, MX, 16, 34
1/3	1625	S56H	**100767.00**	√	457	A4P17NJ1	22	115/230	Auto.	1.6	1.0	10.31	S, MX, 34
1/3	1625	56HY	**111348.00**	√	499	A6P17NZ6	24	115/230	Auto.	1.7	1.0	13.44	S, US, 59
1/3	1075	48Z	**100825.00**	√	468	A4P11NR3	25	115/230	Auto.	1.8	1.0	11.16	S, MX, 16, 34
1/3	1075	S56HZ	**100806.00**	√	502	A4P11NJ2	27	115/230	Auto.	1.8	1.0	11.56	S, MX, 17, 34
1/2	1625	56HZ	**111323.00**	√	570	A6P17NR3	30	115/230	Auto.	2.6	1.0	12.56	S, US, 17, 34
1/2	1625	S56H	**100768.00**	√	470	A4P17NJ2	36	115/230	Auto.	2.2	1.0	10.81	S, MX, 34
1/2	1075	48Z	**101645.00**	√	505	A4P11NR6	33	115/230	Auto.	2.8	1.0	11.16	S, MX, 16, 34
1/2	1075	56HZ	**111321.00**	√	592	A6P11NR1	37	115/230	Auto.	3.0	1.0	13.56	S, US, 17, 34
1/2	850	48YZ	**A099836.00**	√	509	A48P8NR2	24	115/230	Auto.	3.0	1.0	11.55	S, MX, 19, 34, 50
1/2	825	56HZ	**111919.00**	√	664	A6P8NR2	40	115/230	Auto.	3.2	1.0	13.56	S, US, 17, 34, 50
3/4	1625	56HZ	**111324.00**	√	624	A6P17NR4	34	115/230	Auto.	3.5	1.0	13.06	S, US, 17
3/4	1625	56H	**111266.00**	√	624	A6P17NR1	36	115/230	Auto.	3.5	1.0	12.31	S, US
3/4	1075	56HZ	**111322.00**	√	671	A6P11NR2	44	115/230	Auto.	4.0	1.0	13.56	S, US, 17, 50
1	1625	56HZ	**111267.00**	√	698	A6P17NR2	39	115/230	Auto.	4.4	1.0	12.81	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEAO - Rigid Base - PSC Type

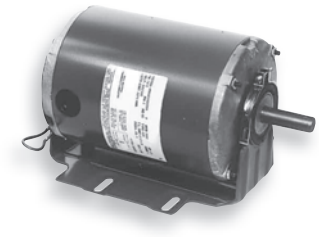
HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1750	48Y	**101252.00**	√	363	A4P17NB27	19	115/208-230	Auto.	1.5	1.0	10.90	S, MX, 50
1/4	1625	48Y	**100699.00**	√	363	A4P17NB7	19	115/230	Auto.	1.4	1.0	10.65	S, MX
1/4	1075	48Y	**M099260.00**	√	379	A4P11NB23	21	115/230	Auto.	1.2	1.0	10.83	S, CN
1/4	1075	48Y	**A099260.00**	√	379	A4P11NB52	21	115/230	Auto.	1.5	1.0	10.65	S, MX
1/3	1750	48Y	**101253.00**	√	412	A4P17NB28	22	115/208-230	Auto.	1.9	1.0	10.65	S, MX, 50
1/3	1625	48Y	**100700.00**	√	412	A4P17NB8	22	115/230	Auto.	1.6	1.0	10.65	S, MX
1/3	1625	56Y	**111202.00**	√	475	A6P17NZ1	24	115/230	Auto.	1.7	1.0	12.00	S, US, 58
1/3	1140	S56Y	**100604.00**	√	447	A4P11NH1	23	115/230	Auto.	1.8	1.0	11.40	S, MX
1/3	1075	48Y	**M099261.00**	√	447	A4P11NB24	21	115/230	Auto.	1.5	1.0	11.34	S, CN
1/3	1075	48Y	**A099261.00**	√	481	A4P11NB53	21	115/230	Auto.	1.8	1.0	10.90	S, MX
1/2	1750	S56Y	**101176.00**	√	453	A4K17NH2	26	115/230	Auto.	3.5	1.0	10.40	S, MX, 50, 54
1/2	1750	48Y	**100701.00**	√	442	A4P17NB9	29	115/230	Auto.	2.5	1.0	12.15	S, MX
1/2	1075	48Y	**A099946.00**	√	463	A4P11NB54	26	115/230	Auto.	2.5	1.0	11.90	S, MX
3/4	1075	56HZ	**A099847.00**	√	661	A6P11NB5	35	115/230	Auto.	3.7	1.0	13.56	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Lincoln Agricultural Fan Motors

Typically used in poultry houses or barn exhaust fans



Features:

- TEAO designs - continuous duty
- Extended thru-bolts
- 1/2" dia. x 2 1/2" long shaft with flats, 90° apart
- Fully gasketed
- Automatic overload protected
- Must be mounted in airstream for proper cooling

Single Phase - PSC - TEAO - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Z	**LM24445**	√	610	SPA4S0.25TZRY1A6027AP11-1	20	115/230	Auto.	1.8	1.00	11.06	S, MX
1/4	1625	48Z	**LM24447**	C/A	472	SPA4S0.25TZRY1A6027AP10-1	17	115/230	Auto.	1.6	1.00	10.09	S, MX
1/3	1625	48Z	**LM24450**	√	670	SPA4S0.33TZRY1A6027AP11-1	23	115/230	Auto.	1.9	1.00	11.81	S, MX
1/3	1625	48Z	**LM24448**	√	520	SPA4S0.33TZRY1A6027AP10-1	17	115/230	Auto.	2.2	1.00	10.09	S, MX
1/3	1075	48Z	**LM24443**	√	647	SPA6S0.33TZRY1A6027AP10-1	15	115/230	Auto.	2.1	1.00	10.84	S, MX
1/2	1625	48Z	**LM24446**	√	743	SPA4S0.5TZRY1A6027AP11-1	23	115/230	Auto.	2.7	1.00	11.81	S, MX
1/2	1625	48Z	**LM24449**	√	575	SPA4S0.5TZRY1A6027AP10-1	21	115/230	Auto.	3.0	1.00	10.84	S, MX
1/2	1075	48Z	**LM24444**	√	743	SPA6S0.5TZRY1A6027AP10-1	19	115/230	Auto.	3.2	1.00	10.84	S, MX

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Aeration Fan Motors

Features:

- Belt driven fans or fan on shaft applications
- Capacitor start designs
- Must be mounted in airstream for proper cooling
- Epoxy paint to resist corrosion
- Single-phase models have built-in terminal boards

Single Phase - Capacitor Start - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3450	56Z	**111332.00**	√	473	C6C34NB15	27	115/230	5.0	1.0	10.9	S, US, 22
1	3450	56Z	**111333.00**	√	562	C6C34NB16	29	115/230	6.0	1.0	10.9	S, US, 22
1 1/2	3450	56Z	**111949.00**	√	726	C6C34NB19	32	115/230	8.5	1.0	11.4	S, US, 22
1 1/2	3450	143TZ	**120374.00**	√	781	C143C34NB1	31	115/230	8.5	1.0	11.84	S, US, 22
2	3450	145TZ	**120375.00**	√	951	C145C34NB1	41	230	10.0	1.0	13.34	S, US, 23
3	3450	145T	**120376.00**	√	1,001	C145K34NB1	45	230	12.8	1.0	13.84	S, US, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Aeration Fan Motors

Features:

- Belt driven fans or fan on shaft applications
- Capacitor start designs
- Must be mounted in airstream for proper cooling
- Epoxy paint to resist corrosion
- Single-phase models have built-in terminal boards

Three Phase - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3450	56Z	**111334.00**	√	485	C6T34NB18	21	208-230/460	2.4	1.0	9.9	S, US, 22
1	3450	56Z	**111335.00**	√	526	C6T34NB19	22	208-230/460	3.2	1.0	9.9	S, US, 22
1 1/2	3450	143TZ	**120377.00**	√	604	C143T34NB2	31	208-230/460	4.2	1.0	11.34	S, US, 22
2	3450	145TZ	**120378.00**	√	715	C145T34NB1	34	208-230/460	5.6	1.0	11.84	S, US, 22
3	3450	145T	**120379.00**	√	802	C145T34NB2	38	208-230/460	7.6	1.0	12.34	S, US, 23

♥ Note listing on inside back flap
Specifications are subject to change without notice

Grain Dryer / Centrifugal Fan Motor

Features:

- 268% starting torque
- Oversized sealed bearings
- Rodent screen protection
- Rolled steel frame with cast iron endbells
- Epoxy painted
- 91.2% efficient

Single Phase - ODP - 230 Volt - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
16	1800	256TZ	**851034.00**	√	3,837	C254K17DB1	308	208-230	62.9	1.15	25.52	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Used on crop dryers with air over/fan on shaft designs

Features:

- Class "F" insulation system
- Overload protected
- Keyed shaft with 1/4-20 UNC tapped hole on end
- 34" long leads
- Capacitors shipped loose on 1-phase 215 TZ designs
- Motor venting protected against insects and rodents
- Double sealed ball bearings

Single Phase - Drip-Proof Air Over - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
3-4.5	3600	145TZ	**LM24778**	√	1,267	SSD2S3-4.5TZ1B66QS10-1	46	230	Auto	13-19	1.50	13.74	S, MX
5 - 7	3600	182TZ	**131847.00**	√	1,488	C182C34DB2	91	230	T-Stat	27.2-35	1.00	16.44	S, MX
7.5-10	3600	182TZ	**131848.00**	√	1,654	C182K34DB4	95	230	T-Stat	31-42	1.00	16.44	S, MX
7 - 10	3600	184TZ	**LM24780**	√	2,073	SSD2S7-10TZ1B66QS11-1	102	230	T-Stat	31-42	1.40	15.94	S, MX
7- 9	3600	184TZ	**LM24781**	C/A	1,679	SSD2S7-9TZ1C66QSS11-1	88	230	T-Stat	31-42	1.30	15.50	S, MX
10 - 15	3600	215TZ	**140640.00**	√	2,543	C215K34DB2	159	230	T-Stat	39.5-61.5	1.00	20.42	S, MX
10 - 15	3600	215TZ	**LM24782**	√	2,633	SS215D2S10-15TZ1C66QS11-1	135	230	T-Stat	39.5-61.5	1.50	18.16	S, MX
10 - 15	3600	215TZ	**141084.00**	√	2,543	C215K34DB3	159	230	T-Stat	40-59	1.00	20.08	S, MX, 52

▼ LM Numbers are Lincoln Models
Note 52 - Extra High Starting Torque
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Grain Dryer / Centrifugal Fan Motor

Features:

- 335% starting torque & 89% efficient
- Oversized sealded bearings
- Epoxy paint
- Rolled steel with cast iron endbells
- Colored leads

NEW!

Single Phase - TEFC - 230 Volt - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
15	1800	256TZ	**851150.00**	√	3,119	C256K17FB1	309	208-230	58	1.0	28.65	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Grain Dryer / Centrifugal Fan Motor

Three Phase - Drip-Proof Air Over - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
5-7.5	3600	184TZ	**131849.00**	√	1,205	C184T34DB8	70	208-230/460	T-Stat	19.0	1.00	13.94	S, MX
7.5-10	3600	184TZ	**131850.00**	√	1,407	C184T34DB9	85	208-230/460	T-Stat	24.2	1.00	15.44	S, MX
10 - 15	3600	215TZ	**140641.00**	√	1,697	C215T34DB3	95	220/440	T-Stat	40.0	1.50	17.41	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Grain Dryer / Centrifugal Fan Motor

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	1800	215TZ	**141348.00**	√	2,439	C215K17FB74	150	230	Man.	30.5	1.15	20.21	S, MX
10	1800	215TZ	**141311.00**	√	2,653	C215K17FB73	158	230	Man.	40.0	1.15	21.72	S, MX

Specially designed for crop dryer applications having vibration dampening centrifugal switch

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEAO - Rigid Base

NEW!

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
5 - 7	3600	184TZ	**132393.00**	√	1,254	C184T34NB3	100	208-230/460	T-Stat	13.1 - 16.5	1.00	15.38	S, MX
7.5 - 10	3600	184TZ	**132394.00**	√	1,398	C184T34NB4	107	208-230/460	T-Stat	19.7 - 24.8	1.00	17.38	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - 230 Volt - TEAO - Rigid Base

NEW!

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
3-4.5	3600	145TZ	**122122.00**	√	1,048	C145K34NB6	50	230	T-Stat	11.8 ♠	1.00	14.46	S, US, 53
5-7	3600	182TZ	**132391.00**	√	1,325	C182K34NB106	102	230	T-Stat	28.0 ♠	1.00	17.44	S, MX, 53
7.5-10	3600	182TZ	**132392.00**	√	1,540	C182K34NB107	108	230	T-Stat	38.0 ♠	1.00	17.44	S, MX, 53
10-15	3600	215TZ	**141220.00**	√	1,930	C215K34NB73	136	230	T-Stat	68.5 ♠	1.00	18.17	S, MX, 53

♠ amp listing is at higher HP

♥ Note listing on inside back flap
Specifications are subject to change without notice

Used in ag fan and blower applications.
Screens used to protect against entry of pests and and silage

Features:

- NEMA® Premium and EPAct efficiency
- Rodent screens
- Re-greasable bearings
- Cast Iron construction
- 1" longer shaft than NEMA standard
- Inverter duty insulation system
- UL Recognized and CSA certified

Three Phase - Open Drip-Proof (ODP) - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	F.L. EFF.	"C" Dim. (Inches)	♥Notes
10	1800	215TZ	**G151828.60**	D	1,149	C215T17DB54	168	208-208-230/460	25.0	89.5	16.75	C, CN
10	1800	215T	**171859.60**	D	1,631	C215T17DB65	168	208-208-230/460	25.6	91.7	17.90	C, CN
10	1800	215TZ	**171861.60**	√	1,631	C215T17DB69	168	208-208-230/460	25.6	91.7	17.90	C, CN
15	1800	254TZ	**G151540.60**	D	1,692	C254T17DB12	265	208-208-230/460	37.6	91.0	21.89	C, CN
15	1800	254T	**170540.60**	D	2,194	C254T17DB45	279	208-208-230/460	37.0	93.0	20.94	C, CN
15	1800	254TZ	**171862.60**	√	2,194	C254T17DB48	279	208-208-230/460	37.0	93.0	20.94	C, CN
20	1800	256TZ	**G151541.60**	D	2,104	C256T17DB7	307	208-208-230/460	48.0	91.7	23.54	C, CN
20	1800	256T	**170541.60**	D	2,675	C256T17DB10	324	208-208-230/460	51.0	93.0	22.60	C, CN
20	1800	256TZ	**171863.60**	√	2,675	C256T17DB15	324	208-208-230/460	51.0	93.0	22.60	C, CN
25	1800	284TZ	**G151829.60**	D	2,301	C284T17DB11	388	208-208-230/460	59.6	91.7	23.54	C, CN
25	1800	284T	**171857.60**	D	3,524	C284T17DB12	388	208-208-230/460	59.6	93.6	23.54	C, CN
25	1800	284TZ	**171864.60**	√	3,524	C284T17DB15	388	208-208-230/460	59.6	93.6	23.54	C, CN
30	1800	286TZ	**G151542.60**	D	2,931	C286T17DB12	434	208-208-230/460	72.0	92.4	26.57	C, CN
30	1800	286T	**170542.60**	D	3,603	C286T17DB13	471	208-208-230/460	71.0	94.1	25.00	C, CN
30	1800	286TZ	**171865.60**	√	3,603	C286T17DB16	471	208-208-230/460	71.0	94.1	25.00	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted

Grain Dryer / Centrifugal Fan Motors

Features:

- 1" longer shaft than NEMA standard
- Shaft seals both ends
- Epoxy painted
- Premium efficient
- N/C T-stats

NEW!

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	F.L. EFF.	"C" Dim. (Inches)	♥Notes
3	1800	182TZ	**171845.60**	√	1,227	C182T17FK49	113	208-230/460	7.8	90.2	17.60	C, CN
5	1800	184TZ	**171846.60**	√	1,269	C184T17FK50	121	208-230/460	12.8	89.5	18.30	C, CN
7 1/2	1800	213TZ	**171847.60**	√	1,568	C213T17FK48	156	208-230/460	18.6	91.7	19.70	C, CN
10	1800	215TZ	**171848.60**	√	1,875	C215T17FK48	188	208-230/460	25.0	91.7	21.10	C, CN
15	1800	254TZ	**171841.60**	√	2,567	C254T17FK18	295	208-230/460	36.0	92.4	24.70	C, CN
20	1800	256TZ	**171842.60**	√	3,275	C256T17FK18	336	208-230/460	49.0	93.0	26.40	C, CN
25	1800	284TZ	**171843.60**	√	3,812	C284T17FK15	406	208-230/460	59.0	93.6	27.26	C, CN
30	1800	286TZ	**171844.60**	√	4,546	C286T17FK17	456	208-230/460	70.0	94.1	28.83	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

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Agricultural Duty Motors

Tobacco Barn Motors

Used in tobacco barns and other applications that require a fan motor in a high ambient condition.

Features:

- Drip-proof airover designs
- Class H insulation for high ambient conditions
- 80° C ambient rated
- 120 inch leads
- Oversized double sealed bearings
- 1/4-20 tapped hole at end of shaft

Single Phase - DPAO - Rigid Base

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	1800	215TVZ	**140830.00**	√	1,861	215TBDW17041	125	230	34.5	1.15	20.71	S, MX
10	1800	215TVZ	**140816.00**	√	2,773	C215K17DB13	150	230	44.0	1.15	19.70	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Grain Stirring Motors

Used in grain stirring systems inside grain bins.

Features:

- TEFC, continuous duty
- High torque designs
- Rugged 205 bearing, shaft end
- Vertical shaft up design with drain hole
- 7/8" Dia. shaft

Single Phase - Rigid Base - TEFC

HP	SYN RPM 60 Hz	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1800	56HZ	**111330.00**	√	924	P6K17FB18	42	115/208-230	Man.	8.6	1.00	12.31	S, US, 53
1 1/2	1800	56HZ	**LM24521**	C/A	926	SRF4S1.5TZ1B6028AP9-2	47	115/208-230	Man.	7.6	1.15	13.21	S, US, 53

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Rigid Base - TEFC

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1800	56HZ	**119533.00**	√	1,052	M6T17FB197	40	208-230/460	5.4	86.5	1.00	11.81	S, US, 53

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Designed for outdoor pond aeration applications

Features:

- High torque designs
- Epoxy painted for corrosion protection
- Double sealed ball bearings
- Drain holes provided to purge condensation

Single Phase and Three Phase - C Face With Base - TEFC

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	Phase	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
10	1800	215TC	**140705.00**	√	2,808	P215K17FK5	204	230	Man.	1	40.0	1.15	20.71	S, MX
10	1800	215TC	**140833.00**	C/A	1,690	C215T17FK19	169	208-230/460	None	3	23.6	1.15	19.7	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Irrigation Booster Pump Motors

Used in agricultural duty irrigation systems

Features:

- Threaded jet pump motor shaft
- Vertical Shaft down design
- Rain canopy provided
- Epoxy painted for corrosion protection
- Neoprene shaft flinger

Three Phase - Irrigation Booster - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460V	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56J	**119534.00**	√	1,009	A6T34FC34	35	460	2.8	1.5	14.34	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Irrigation Booster Pump Motors

Features:

- Double-sealed ball bearings
- Designed for vertical shaft down applications
- Rain canopy protects against water contamination

Three Phase - C Face Less Base - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460V	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	56C	**119535.00**	√	974	A6T17FC35	32	460	1.6	1.3	12.34	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Milk Transfer Pump Motor

Features:

- Replacements for SURGE milk pumps
- Washguard® motor features for high pressure washdown applications
- Epoxy painted and stainless ratings available for corrosion protection
- Capacitor supplied loose with motor 113939.00
- Motors 119227.00 & 119231.00 are capacitor start -induction run motors
- Solid state encapsulated starting switch on capacitor start motors
- Three phase motor is inverter rated

Single Phase - Rigid Base - TENV

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56CZ	**113939.00**	√	604	C6P34NK5	42	230	4.5	SPEC	13.07	S, US
1	3600	56CZ	**119227.00**	√	812	C6C34WK24	33	115/230	6.0	1.15	13.48	S, US, 12
1	3600	56CZ	**119448.00**	√	812	C6C34WK29	33	115/230	6.0	1.15	13.04	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Stainless - Milk Transfer Pump Motor

Single Phase - TENV - 230 Volt - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56CZ	**119231.00**	√	1,720	CZ6C34VK4	49	230	6.0	1.15	14.86	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase Milk Transfer Pump Motor

Three Phase - TENV - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56CZ	**119232.00**	√	780	C6T34VK23	26	208-230/460	2.6	1.15	11.58	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Features:

- Replacement Motors for BouMatic milk pumps
- Washguard® motor features for high pressure washdown applications
- Epoxy painted and stainless ratings available for corrosion protection
- Single phase motors are capacitor start - induction run designs
- Solid state encapsulated starting switch on single phase motors
- Three phase motors are inverter rated

Single Phase - TEFC - 230 Volt - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56CZ	**119233.00**	√	604	C6C34WK27	24	115/230	3.8	1.15	12.62	S, US
1	3600	56CZ	**119228.00**	√	812	C6C34WK25	33	115/230	6.0	1.15	13.62	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Stainless - Threaded Shaft Milk Pump Motor

Single Phase - TENV - 230 Volt - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56CZ	**119229.00**	√	1,767	C6C34VK5	49	115/230	6.0	1.15	12.41	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Threaded Shaft Milk Transfer Pump Motor

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56CZ	**119230.00**	√	780	C6T34WK29	26	230/460	3.2	1.15	12.62	S, US

230/460 volt motors are suitable for use at 208 volts

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washdown Duty - Jet Pump - Tank Washer Motor

Features:

- 56J Jet pump motor
- White epoxy painted
- 303 grade stainless steel shaft
- CCW rotation facing lead end

Jet Pump - 56J - Threaded Shaft - Washdown Duty - White Epoxy
Single Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56J	**119234.00**	√	876	C6C34WK28	25	115/230	6.0	1.15	12.37	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Feed-Auger Drive Motors - Dust Tight

Replacement motors for poultry feed auger drive systems

Features:

- Choice of mechanical or solid state starting switch
- Mechanical switch has over-speed protection - Note 51
- Manual overload protected

Single Phase - TEFC - 60 Hertz

HP	SYN RPM 60 Hz	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	48YZ	**101159.00**	√	617	P4C17FZ11	21	115/230	Man.	3.1	1.00	10.47	S, MX, 26
1/3	1800	56YZ	**117887.00**	√	593	117887.00	21	115/208-230	Man.	2.9	1.00	12.00	S, MX, 26, 51, 64
1/3	1800	48N	**LM24462**	D	596	SPA4S0.33TADN1C6027TP1	23	115/230	Man.	2.5	1.50	11.31	S, MX, 26, 51
1/2	1800	48YZ	**101120.00**	√	695	P4C17FZ7	22	115/208-230	Man.	4.0	1.15	10.72	S, MX, 26
1/2	1800	56YZ	**117888.00**	√	679	117888.00	22	115/208-230	Man.	4.2	1.25	12.00	S, MX, 26, 51, 64
1/2	1800	48N	**LM24463**	D	679	SPA4S0.5TADN1C6027TP1	23	115/230	Man.	3.4	1.00	11.81	S, MX, 26, 51
3/4	1800	48YZ	**101119.00**	√	812	P4C17FZ6	24	115/208-230	Man.	5.4	1.00	11.47	S, MX, 26
3/4	1800	56YZ	**117889.00**	√	699	117889.00	28	115/208-230	Man.	4.2	1.25	12.00	S, MX, 26, 51, 64
1	1800	56YZ	**112615.00**	√	898	P6C17FZ27	35	115/230	Man.	7.0	1.00	12.11	S, MX, 27
1	1800	56YZ	**117883.00**	√	876	117883.00	35	115/208-230	Man.	5.4	1.25	12.00	S, MX, 27, 51, 64
1 1/2	1800	56YZ	**113280.00**	√	1,492	P6K17FZ6	47	115/208-230	Man.	6.5	1.00	13.62	S, US, 27, 53
1 1/2	1800	56YZ	**117884.00**	√	1,472	117884.00	44	115/208-230	Man.	6.5	1.15	14.51	S, MX, 27, 51, 53, 64
1 1/2	1800	56HZ	**LM24521**	D	926	SRF4S1.5TZ1B6028AP9-2	47	115/208/230	Man.	7.6	1.15	13.21	S, US, 53
1 1/2	1800	56HZ	**111330.00**	√	924	P6K17FB18	42	115/208/230	Man.	8.6	1.00	12.31	S, US, 53
1 1/2	1800	56NZ	**LM24814**	D	1,474	SRF4S1.5TZADN1C6028TP1-1	41	115/208/230	Man.	7.6	1.00	14.38	S, MX, 27, 51, 53
1 1/2	1800	56HZ	**LM24521**	C/A	926	SRF4S1.5TZ1B6028AP9-2	47	115/208-230	Man.	7.6	1.15	13.21	S, US, 53
1 1/2	1800	56HZ	**111330.00**	√	924	P6K17FB18	42	115/208-230	Man.	8.6	1.00	12.31	S, US, 53

▼ LM Numbers are Lincoln Models
Note 64 - Stub shaft on ODE for manual jogging
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - 50 Hertz

HP	SYN RPM 60 Hz	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	48YZ	**101643.00**	√	751	M4C14FZ5	26	110/220	Man.	4.0	1.00	11.47	S, MX, 26, 51
3/4	1800	48YZ	**101644.00**	√	808	M4C14FZ6	30	110/220	Man.	5.8	1.00	12.22	S, MX, 26, 51
1	1800	56YZ	**113906.00**	√	981	M6C14FZ8	39	110/220	Man.	6.4	1.00	12.61	S, MX, 27, 51
1 1/2	1800	56YZ	**113907.00**	C/A	1,639	P6K14FZ2	48	110/220	Man.	8.6	1.00	13.61	S, MX, 27, 51

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Hatchery and Incubator Fan Motors

Replacement motors for hatchery and incubator fans

Features:

- Automatic overload protected
- 15MFD, 370V. capacitor shipped loose with motor 101341.00
- Motor 114102.00 is a split phase two-speed motor
- Double shielded ball bearings

Cat. No. 101341.00

Cat. No. 114102.00

Single Phase - TEAO

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	**101341.00**	√	467	A4P17NZ24	17	115/230	Auto.	1.40	1.00	8.93	S, MX, 16, 34
1/3	1800	48Z	**103878.00**	√	504	L4P17NZ149	20	115/230	Auto.	1.65	1.00	9.93	S, MX, 16, 34
1/2-0.22	1800/1200	56H	**114102.00**	√	609	A6S46NR4	33	115	Auto.	9.3-5.6*	1.25	11.81	S, US

* Full Load amps are at high speed and low speeds, respectively at 115 volts

♥ Note listing on inside back flap
Specifications are subject to change without notice

Feather Picker Motors

Replacement motors used in poultry feather picker machines

Features:

- Phosphatized or stainless steel shafts
- Metric motor has phosphatized shaft drilled and tapped
- Epoxy painted for corrosion protection
- Stainless motor - **122009.00**
- Encapsulated stainless motor - **122010.00**
- Washdown duty features including shaft seals
- USDA approved food-safe paint
- Extra high breakdown torques

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
2	1800	145T	**121934.00**	√	966	C145T17FB87	54	208-230/460	7.0	86.5	1.25	14.76	S, US
2	1800	145T	**122009.00**	√	2,283	C145T17WK49	58	208-230/460	5.8	86.5	1.25	13.25	S, US
2	1800	145T	**122010.00**	D	2,316	C145T17WK50	75	208-230/460	5.6	84.0	1.15	12.75	S, US
2	1800	145T	**122308.00**	√	2,316	C145T17WK64	75	208-230/460	5.6	86.5	1.15	13.25	S, US
2	1200	184TZ	**132246.00**	√	1,471	C184T11FB24	96	208-230/460	7.2	88.5	1.50	15.96	S, MX
2/1.5	1200	112M	**132247.00**	√	1,538	C184T11FB25	96	208-230/460	7.2	88.5	1.50	15.96	S, MX, 29
3	1800	56HZ	**119783.00**	√	1,088	C6T17WK48	45	208-230/460	8.6	82.5	1.00	14.25	S, US, 5, 56
3	1800	145T	**121944.00**	√	1,088	C145T17FB92	45	208-230/460	8.6	82.5	1.00	14.25	S, US, 56

Green items are Premium Efficient

Note 56 - Inverter duty only
D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Industry-AG - High Torque

General Purpose, heavy duty for industrial and agriculture applications

Features:

- Manual overload protected
- Double sealed ball bearings
- Weather resistant reset button protection
- Capacitor start provides high starting torque

Rigid Base - 115-208/230V - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	**M002256.00**	D	475	M6C17FB142	24	115-208/230	Man.	2.9	1.15	11.00	S, CN
1/3	1800	56	**117862.00**	√	407	C6C17FB164	20	115-208/230	Man.	3.3	1.15	11.82	S, MX
1/2	1800	56	**117863.00**	√	464	C6C17FB165	26	115-208/230	Man.	4.4	1.15	11.82	S, MX
3/4	1800	56	**117864.00**	√	549	C6C17FB166	33	115-208/230	Man.	5.5	1.15	12.32	S, MX
1	1800	56	**117865.00**	√	596	C6C17FB167	33	115-208/230	Man.	6.7	1.15	12.82	S, MX
1 1/2	1800	56H	**117866.00**	√	716	C6K17FB61	50	115-208/230	Man.	7.6	1.15	13.82	S, MX
2	1800	56HZ	**117867.00**	√	820	C6K17FB62	50	115-208/230	Man.	9.4	1.15	14.87	S, MX

"M00" Series motors use C Face Kit M064076.00
D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

C Face Less Base - 115-208/230 - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	**M002290.00**	D	578	M6C17FC140	24	115-208/230	Man.	2.9	1.15	10.81	S, CN
1/3	1800	56C	**117878.00**	√	439	C6C17FC178	23	115-208/230	Man.	3.3	1.15	11.82	S, MX
1/2	1800	56C	**M009492.00**	D	634	M6C17FC141	27	115-208/230	Man.	3.9	1.15	10.81	S, CN
1/2	1800	56C	**117879.00**	√	495	C6C17FC179	24	115-208/230	Man.	4.4	1.15	11.82	S, MX
3/4	1800	56C	**117880.00**	√	577	C6C17FC180	28	115-208/230	Man.	5.5	1.15	12.32	S, MX
1	1800	56C	**117881.00**	√	626	C6C17FC181	30	115-208/230	Man.	6.7	1.15	12.82	S, MX

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

Designed for use in agricultural fan applications where variable speed is required

Features:

- Water-tight connection end compartment
- Locked double sealed ball bearings
- All angle mounting
- Shaft seal on output shaft end
- Automatic overload protected

Single Phase - TEAO - Rigid Base - Extended Thru-Bolts

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Y	**A099899.00**	√	359	A4P17NZ139	19	115-208/230	Auto.	1.4	1.00	10.89	S, MX
1/4	1625	48Y	**A099460.00**	√	388	A4P11NB5	23	115-208/230	Auto.	1.5	1.00	11.14	S, MX
1/3	1625	48Y	**A099900.00**	√	383	A4P17NZ141	20	115-208/230	Auto.	1.6	1.00	10.89	S, MX
1/3	1060	48Y	**A099461.00**	√	415	A4P17NZ86	23	115-208/230	Auto.	1.8	1.00	11.14	S, MX
1/2	1625	48Y	**A099901.00**	√	425	A4P17NZ142	23	115-208/230	Auto.	2.2	1.00	11.39	S, MX
1/2	1060	48Y	**A099462.00**	√	453	A4P911NZ85	26	115-208/230	Auto.	2.8	1.00	11.39	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Fan Motors - Belt Drive - TEAO

Designed for use in agricultural belted fan applications

Features:

- Capacitor start / capacitor run designs for high efficiency
- Mount in airstream for proper cooling
- Combination 56 / 140 frame stamped steel base

High-Efficiency - Single Phase

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1725	56	**M009580.00**	D	520	A6K17NB21	27	115/208-230	——	2.2	1.00	10.33	S, CN
1/2	1725	56	**A009580.00**	√	520	A6K17NB30	27	115/208-230	——	2.3	1.15	11.44	S, MX
3/4	1725	56H	**A009581.00**	√	551	A6K17NB29	30	115/208-230	Auto.	3.3	1.00	11.44	S, MX
1	1725	56H	**A009782.00**	√	573	A6K17NB33	37	115/208-230	Auto.	4.0	1.00	12.44	S, MX
1 1/2	1725	56H	**A009594.00**	√	683	A6K17NB32	39	115/208-230	Auto.	5.8	1.00	11.94	S, MX
2	1725	145T	**A009595.00**	√	758	U145K17NB2	47	230	Auto.	9.2	1.00	13.49	S, MX *

* Frame mounted conduit box
D - Item to be discontinued once inventory has been depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agricultural Duty Motors

Lincoln Agriculture Fan Motors

115/230 Volts - Belt Drive - Overload Protection

Features:

- Capacitor start/capacitor run design
- Ball bearings
- LM24777 must be mounted in airstream

Single Phase - TENV - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1725	56Z	**LM24776**	√	732	SRN4S0.5TZ1B6027TP2-1	21	115/230	Auto	2.3	1.00	10.47	S, MX, 12, 53
1	1725	56Z	**LM24777**	√	979	SRA4S1TZ1B6027TP2-1	32	115/230	Auto	4.6	1.00	10.72	S, MX, 53, *

▼ LM Numbers are Lincoln Models
* LM24777 is a TEAO design

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agriculture Fan

Direct Drive Thru-Bolt Mount

Features:

- 1/2" long thru-bolts
- 48Y - 1/2" dia., 1-1/2 long shaft with flat
- 48YZ - 1/2" dia., 2-1/2" long shaft with two flats

Single Speed - Single Phase - TEAO - Thru-Bolt Mount

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48Y	**LM24488**	C/A	445	SPN4S0.25TZNY1S6001TP1-1	10	115	Auto	4.0	1.00	7.62	S, MX

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Two Speed - Single Phase - TEAO - Thru-Bolt Mount

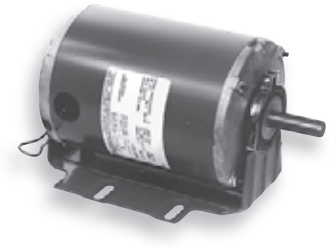
HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48YZ	**LM24492**	C/A	464	SPA4/6/1S0.25/0.25TZNY1S6001TP2-1	17	115	Auto	4.1	1.00	11.09	S, MX
1/3	1725	48YZ	**LM24491**	C/A	522	SPA4/6/1S0.33/0.33TZNY1S6001TP2-1	18	115	Auto	5.3	1.00	11.34	S, MX

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Features:

- 115 & 230 Volts - single phase
- Extended thru-bolts on 48Z frame motos
- 48Z - 1/2 dia. shaft, 2-1/2 long with two flats
- 56Z - 1/2 dia. shaft, 2-1/2" long shaft with keyway
- Includes 5/8" shaft adaptor sleeve with key



Single Phase - TEAO - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48Z	**LM24487**	C/A	464	SPA4S0.25TZRY1S6001TP2-1	17	115	Auto	3.5	1.00	10.09	S, MX
1/3	1725	48Z	**LM24486**	√	522	SPA4S0.33TZRY1S6001TP2-1	21	115	Auto	4.5	1.00	10.09	S, MX
1/2	1725	56Z	**LM24809**	C/A	705	SRA4S0.5TZR1S6027TP2-1	24	115/230	Auto	6.6	1.00	11.34	S, MX

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Aeration Fan, HVAC
115 & 230 VOLTS - Single Phase

Features:

- Automatic overload protected
- Sealed bearings
- 18" extended leads
- Shaft has keyway and 1/4-20 UNC tapped hole on end of shaft

Single Phase - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3450	56Z	**LM24786**	√	566	SRA2S1TZ1C6027L10MB6TP2-1	29	115/230	Auto	5.6	1.15	10.94	S, MX
1 1/2	3475	143TZ	**LM24787**	√	642	SSA2S1.5TZ1C6027L10MB6TP2-1	35	115/230	Auto	8.4	1.15	11.49	S, MX
3	3510	145TZ	**LM24788**	√	791	SS145A2S3TZ1B66L10MB6TP2-1	52	230	Auto	11.8	1.15	13.49	S, MX

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC – Fan Motors

- Various voltages and mounting types available
- Single and three phase fan duty motors
- Rigid base, resilient base, pedestal base, belly band mount and extended thru-bolt mount types
- Drip-Proof, TEFC, TEAO and DPAO designs
- General purpose duty
- Agricultural duty
- UL recognized and CSA certified

Applications:
Ideally suited for a variety of fan applications requiring the motor to either be mounted in or out of the air stream for proper ventilation. Some motors have an epoxy finish for harsh applications and other motors have a baked on enamel finish. Industrial, commercial and agricultural fan motors available.

HVAC - Fan Motors

Resilient Base Motors - Single Phase

Fan & Blower Service - Moderate Starting Torque

General Specifications:

- Drip-proof and totally enclosed designs
- Industrial quality, resilient (cradle) mounted
- Capacitor start-type
- Ball bearing designs
- Moderate starting torque to reduce machinery stresses
- Suitable for belt-driven fans or fan-on-shaft applications

Drip-Proof – Single Phase – Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	3600	48	**101434.00**	D	329	A4C34DR8	16	115/208-230	Auto.	2.0	1.00	9.39	S, MX
1/4	3600	48	**E101434.00**	√	424	A4K34DR4	19	115/208-230	Auto.	——	1.00	——	S, MX, 53
1/4	1800	48	**100109.00**	D	387	A4C17DR1	17	115/208-230	Auto.	2.7	1.35	9.89	S, MX
1/4	1800	48	**E100109.00**	√	455	A4K17DR18	16	115/208-230	Auto.	1.2	1.35	11.14	S, MX, 53
1/4	1800	48	**100111.00**	D	334	A4C17DR3	17	115/208-230	Auto.	2.7	1.00	9.89	S, MX
1/4	1800	48	**E100111.00**	√	433	A4K17DR17	15	115/208-230	Auto.	1.2	1.00	11.14	S, MX, 53
1/4	1800	48	**102963.00**	√	387	A4C17DR47	17	277	Auto.	2.2*	1.35	9.89	S, MX
1/3	3600	48	**101431.00**	D	339	A4C34DR11	17	115/208-230	Auto.	2.3	1.00	9.39	S, MX
1/3	3600	48	**E101431.00**	√	485	A4K34DR1	20	115/208-230	Auto.	1.5	1.00	11.14	S, MX, 53
1/3	1800	48	**100110.00**	D	472	A4C17DR2	18	115/208-230	Auto.	3.3	1.35	9.89	S, MX
1/3	1800	48	**E100110.00**	√	517	A4K17DR19	21	115/208-230	Auto.	1.9	1.35	11.14	S, MX, 53
1/3	1800	48	**101015.00**	D	387	A4C17DR31	18	115/208-230	Auto.	3.3	1.00	9.89	S, MX
1/3	1800	48	**E101015.00**	√	423	A4K17DR20	21	115/208-230	Auto.	1.9	1.00	11.14	S, MX, 53
1/3	1800	S56	**E100014.00**	√	507	C4K17DJ9	20	115/208-230	None	1.9	1.35	10.97	S, MX, 53
1/3	1800	S56	**100010.00**	D	472	A4C17DJ2	18	115/208-230	Auto.	3.3	1.35	10.31	S, MX
1/3	1800	S56	**E100010.00**	√	522	A4K17DJ11	18	115/208-230	Auto.	1.9	1.35	11.81	S, MX, 53
1/3	1800	S56	**100063.00**	D	387	A4C17DJ9	19	115/208-230	Auto.	3.3	1.00	10.31	S, MX
1/3	1800	S56	**E100063.00**	√	497	A4K17DJ12	22	115/208-230	Auto.	1.9	1.00	11.81	S, MX, 53
1/3	1800	S56	**102964.00**	√	472	A4C17DJ72	18	277	Auto.	2.8*	1.35	10.31	S, MX
1/2	3600	48	**101432.00**	D	374	A4C34DR10	20	115/208-230	Auto.	3.4	1.00	9.89	S, MX
1/2	3600	48	**E101432.00**	√	489	A4K34DR2	23	115/208-230	Auto.	2.2	1.00	11.39	S, MX, 53
1/2	1800	S56	**100015.00**	D	480	C4C17DJ6	21	115/208-230	None	4.4	1.25	10.81	S, MX
1/2	1800	S56	**E100015.00**	√	574	C4K17DJ10	22	115/208-230	None	2.3	1.25	11.47	S, MX, 53
1/2	1800	S56	**100045.00**	D	460	M4C17DJ17	20	115/208-230	Man.	4.4	1.00	10.81	S, MX
1/2	1800	S56	**E100045.00**	√	567	M4K17DJ13	24	115/208-230	Man.	2.3	1.00	12.31	S, MX, 53
1/2	1800	S56	**101611.00**	D	508	A4C17DJ57	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX, 32
1/2	1800	S56	**E101611.00**	√	577	A4K17DJ14	25	115/208-230	Auto.	2.3	1.25	——	S, MX, 32, 53
1/2	1800	S56	**100011.00**	D	508	A4C17DJ3	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX
1/2	1800	S56	**E100011.00**	√	577	A4K17DJ13	25	115/208-230	Auto.	2.3	1.25	12.31	S, MX, 53
1/2	1800	S56	**100064.00**	D	462	A4C17DJ10	20	115/208-230	Auto.	4.4	1.00	10.81	S, MX
1/2	1800	S56	**E100064.00**	√	560	A4K17DJ79	24	115/208-230	Auto.	2.3	1.00	12.31	S, MX, 53
1/2	1800	S56	**102965.00**	√	508	A4C17DJ74	22	277	Auto.	3.7*	1.25	10.81	S, MX

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Green items are Premium Efficient

* F.L. Amps at 277V

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

HVAC - Fan Motors

Resilient Base Motors - Single Phase

Fan & Blower Service - Moderate Starting Torque

Drip-Proof – Single Phase – Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	48	**101433.00**	D	439	A4C34DR9	22	115/208-230	Auto.	4.8	1.00	10.39	S, MX
3/4	3600	48	**E101433.00**	√	545	A4K34DR3	25	115/208-230	Auto.	3.6	1.00	11.89	S, MX, 53
3/4	3600	S56H	**100603.00**	D	468	A4C34DJ7	26	115/208-230	Auto.	4.9	1.25	11.31	S, MX
3/4	3600	S56H	**E100603.00**	√	555	A4K34DJ1	28	115/208-230	Auto.	3.6	1.25	12.31	S, MX, 53
3/4	1800	56H	**E119362.00**	√	662	C6K17DR44	27	115/208-230	None	3.3	1.25	13.21	S, MX, 53
3/4	1800	S56H	**100046.00**	D	629	M4C17DJ18	26	115/208-230	Man.	5.4	1.25	11.81	S, MX
3/4	1800	56	**E119858.00**	√	677	M6K17DR1	29	115/208-230	Man.	3.2	1.25	11.81	S, MX, 53
3/4	1800	S56H	**100047.00**	D	526	M4C17DJ19	25	115/208-230	Man.	5.5	1.00	11.81	S, MX
3/4	1800	56	**E119859.00**	√	660	———————	27	115/208-230	Man.	3.2	1.00	11.81	S, MX, 53
3/4	1800	S56H	**101839.00**	D	629	A4C17DJ67	28	115/208-230	Auto.	5.4	1.25	11.81	S, MX, 32
3/4	1800	56	**E119864.00**	√	673	———————	25	115/208-230	Auto.	3.2	1.25	11.81	S, MX, 53
3/4	1800	S56H	**100012.00**	D	629	A4C17DJ4	26	115/208-230	Auto.	5.4	1.25	11.81	S, MX
3/4	1800	56	**E119856.00**	√	682	———————	29	115/208-230	Auto.	3.2	1.25	11.81	S, MX, 53
3/4	1800	S56H	**100065.00**	D	521	A4C17DJ11	25	115/208-230	Auto.	5.5	1.00	11.81	S, MX
3/4	1800	56	**E119860.00**	√	647	———————	27	115/208-230	Auto.	3.2	1.00	11.81	S, MX, 53
3/4	1800	S56H	**102966.00**	√	629	A4C17DJ73	26	277	Auto.	4.5*	1.25	11.81	S, MX
1	3600	56H	**110478.00**	D	540	A6C34DR6	28	115/208-230	Auto.	6.0	1.25	11.85	S, US
1	3600	56H	**E110478.00**	√	590	A6K34DR6	31	115/208-230	Auto.	3.9	1.25	12.82	S, US, 53
1	1800	56H	**E113027.00**	√	713	C6K17DR43	31	115/208-230	None	4.2	1.15	12.88	S, US, 53
1	1800	56H	**110007.00**	D	681	A6C17DR1	29	115/208-230	Auto.	6.4	1.15	11.81	S, US
1	1800	56	**E110007.00**	√	750	A6K17DR50	32	115/208-230	Auto.	4.2	1.15	12.82	S, US, 53
1	1800	56H	**110054.00**	D	666	A6C17DR2	32	115/208-230	Auto.	6.4	1.00	11.81	S, US
1	1800	56H	**E110054.00**	√	728	A6K17DR49	35	115/208-230	Auto.	4.5	1.00	12.82	S, US, 53
1	1800	56H	**116599.00**	√	681	A6C17DR54	29	277	Auto.	5.4*	1.20	11.82	S, US
1 1/2	3600	56H	**110479.00**	D	695	A6C34DR7	30	115/208-230	Auto.	8.2	1.15	11.82	S, US
1 1/2	3600	56H	**E110479.00**	√	796	A6K34DR7	33	115/208-230	Auto.	7.1	1.15	13.32	S, US, 53
1 1/2	1800	56H	**110579.00**	D	824	A6K17DR6	38	115/208-230	Auto.	7.2	1.15	12.82	S, US, 6
1 1/2	1800	56H	**E110579.00**	√	868	U6K17DR48	41	115/208-230	Auto.	6.5	1.15	13.82	S, US, 53
1 1/2	1800	56H	**116600.00**	C/A	824	A6K17DR41	38	277	Auto	6.0*	1.15	12.82	S, US
2	3600	56H	**113633.00**	D	870	U6C34DR21	38	115/208-230	Auto.	10.0	1.15	13.82	S, US
2	3600	56H	**E113633.00**	√	922	U6K34DR8	41	115/208-230	Auto.	8.0	1.15	12.82	S, US, 53
2	1800	56H	**113608.00**	D	878	A6K17DR28	45	115/208-230	Auto.	10.0	1.15	13.81	S, US, 6
2	1800	56H	**E113608.00**	√	948	———————	45	115/208-230	Auto.	9.2	1.15	13.82	S, US, 6, 53
2	1800	56H	**116601.00**	√	878	A6K17DR42	45	277	Auto.	8.7*	1.15	13.82	S, US

Green items are Premium Efficient

* F.L. Amps at 277V

D - Item to be discontinued once inventory is depleted

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

LEESON®

Features:

- Industrial quality, resilient (cradle) mounted
- High starting torque
- Automatic overload protected
- Suitable for belt-driven fans or fan-on-shaft applications

Single Phase - TEFC - Resilient Base

HP/kW	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1725	56	**110025.00**	√	576	A6C17FR1	26	115/208-230	Auto.	4.4	1.15	11.96	S, US
3/4	1725	56	**110026.00**	√	690	A6C17FR2	28	115/208-230	Auto.	5.4	1.15	12.46	S, US, 6
1	1725	56H	**111915.00**	√	784	A6C17FR10	31	115/208-230	Auto.	6.4	1.15	12.96	S, US, 6

♥ Note listing on inside back flap
Specifications are subject to change without notice

Wattsaver® Premium Efficiency Fan Motors

Features:

- Premium efficient
- Class F insulation
- Terminal boards
- Automatic overload protected

Single Phase - Drip-Proof - Resilient Base

HP/kW	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/4	1800	48	**101602.00**	√	429	A4K17DR7	19	115	Auto.	2.5	1.35	71.0	10.39	S, MX, 32
1/3	1800	48	**101405.00**	√	507	A4K17DR5	19	115	Auto.	3.2	1.35	75.0	10.39	S, MX, 32
1/2	1800	48	**101585.00**	√	580	A4K17DR6	25	115	Auto.	4.6	1.35	76.0	11.39	S, MX, 32

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC - Fan Motors

Resilient Base Motors - Three Phase
Fan & Blower Service

General Specifications:

- Industrial quality, resilient (cradle) mounted
- Ball bearing design
- Moderate starting torque to reduce fan stresses
- Suitable for belt-driven fans or fan-on-shaft applications

Three Phase - TEFC - Resilient Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	% F.L. EFF.	"C" Dim. (Inches)	♥Notes
1/2	1725	56	**111917.00**	√	541	C6T17NR1	25	208-230/460	None	1.8	1.15	78.5	11.31	S, US, 6, 12
1	1725	56	**111918.00**	√	609	C6T17FR1	29	208-230/460	None	3.8	1.15	77.0	12.46	S, US, 6

Note 12 - TENV

♥ Note listing on inside back flap
Specifications are subject to change without notice

Drip-Proof - Three Phase - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230V	Service Factor	% F.L. EFF.	"C" Dim. (Inches)	♥Notes
1/3	3450	S56	**101639.00**	D	393	A4T34DJ4	17	208-230/460	Auto.	1.7	1.35	61	10.31	S, US, 33
1/3	3450	S56	**E101639.00**	√	436	————		208-230/460	Auto.	——	——	69.5	——	S, MX, 33
1/3	1725	S56	**E100210.00**	√	470	C4T17DJ25	19	208-230/460	None	1.2	1.35	73.4	12.31	S, MX
1/3	1725	S56	**101520.00**	D	521	A4T17DJ18	19	208-230/460	Auto.	1.6	1.35	64.3	10.81	S, MX, 33
1/3	1725	S56	**E101520.00**	√	542	A4T17DJ26	17	208-230/460	Auto.	1.2	——	73.4	12.31	S, MX, 33
1/2	3450	S56	**101640.00**	D	472	A4T34DJ3	18	208-230/460	Auto.	2.4	1.25	69.0	10.31	S, US, 33
1/2	3450	S56	**E101640.00**	C/A	556	————		208-230/460	Auto.	——	——	73.4	——	——
1/2	1725	56	**E119360.00**	√	549	C6T17DR40	23	208-230/460	None	2.0	1.25	78.2	10.82	S, MX
1/2	1725	S56	**100796.00**	D	572	A4T17DJ10	22	208-230/460	Auto.	2.0	1.25	68.0	11.31	S, MX
1/2	1725	56	**E119879.00**	√	595	————	25	208-230/460	Auto.	2.0	1.25	78.2	11.54	S, US, 33
3/4	3450	S56	**E101773.00**	√	494	C4T34DJ8	20	208-230/460	None	2.4	1.25	79.0	10.81	S, MX
3/4	3450	S56	**101641.00**	D	576	A4T34DJ5	20	208-230/460	Auto.	2.4	1.25	79.0	11.31	S, US, 33
3/4	3450	S56	**E101641.00**	√	576	A4T34DJ5	20	208-230/460	Auto.	2.4	1.25	79.0	11.31	S, US, 33
3/4	1725	56	**E119361.00**	√	589	C6T17DR41	26	208-230/460	None	2.4	1.25	81.1	11.82	S, MX
3/4	1725	S56	**100908.00**	D	620	A4T17DJ13	26	208-230/460	Auto.	2.8	1.25	75.0	11.81	S, US, 33
3/4	1725	56	**E119880.00**	√	620	————	29	208-230/460	Auto.	2.8	1.25	81.1	12.04	S, US, 33
1	3450	56	**E114192.00**	√	526	C6T34DR35	24	208-230/460	None	3.2	1.25	77.0	10.82	S, US
1	3450	56	**113895.00**	D	608	A6T34DR30	25	208-230/460	Auto.	3.2	1.25	77.0	10.82	S, US, 33
1	3450	56	**E113895.00**	C/A	608	A6T34DR44	25	208-230/460	Auto.	3.2	1.25	77.0	10.82	S, US, 33
1	1725	56	**E110052.00**	√	741	C6T17DR37	24	208-230/460	None	3.2	1.15	83.5	13.32	S, US
1	1725	56H	**111311.00**	D	644	A6T17DR11	27	208-230/460	Auto.	4.2	1.15	78.5	11.31	S, US, 33
1	1725	56H	**E111311.00**	√	756	A6T17DR63	30	208-230/460	Auto.	3.2	1.15	83.5	13.82	S, US, 33
1 1/2	3450	56H	**E114194.00**	C/A	758	C6T34DR3	31	208-230/460	None	4.0	1.15	84.0	12.82	S, US
1 1/2	3450	56H	**113896.00**	D	689	A6T34DR31	29	208-230/460	Auto.	4.2	1.15	81.5	11.82	S, US, 33
1 1/2	3450	56H	**E113896.00**	√	770	U6T34DR43	32	208-230/460	Auto.	4.0	1.15	84.0	12.32	S, US, 33
1 1/2	1725	56H	**E110433.00**	√	795	C6T17DR38	33	208-230/460	None	4.8	1.15	86.5	13.82	S, US
1 1/2	1725	56H	**113846.00**	D	683	A6T17DR25	29	208-230/460	Auto.	5.6	1.15	78.5	11.81	S, US, 33
1 1/2	1725	56H	**E113846.00**	√	812	A6T17DR47	32	208-230/460	Auto.	4.8	1.15	86.5	14.32	S, US, 33
2	3450	56H	**E114196.00**	√	838	C6T34DR38	37	208-230/460	None	4.8	1.15	85.5	13.82	S, US
2	3450	56H	**113897.00**	D	799	A6T34DR32	39	208-230/460	Auto.	5.6	1.15	82.9	12.32	S, US, 33
2	3450	56H	**E113897.00**	√	852	A6T34DR42	42	208-230/460	Auto.	4.8	1.15	85.5	14.32	S, US, 33
2	1725	56H	**E114197.00**	√	874	C6T17DR39	38	208-230/460	None	5.8	1.15	86.5	14.32	S, US
2	1725	56H	**113847.00**	D	784	A6T17DR26	34	208-230/460	Auto.	6.2	1.15	78.5	12.31	S, US, 33
2	1725	56H	**E113847.00**	√	888	A6T17DR48	36	208-230/460	Auto.	5.8	1.15	86.5	15.32	S, US, 33
3	3450	56HZ	**113926.00**	√	789	U6T34DR33	40	208-230/460	Auto.	7.6	1.00	84.0	13.19	S, US, 33
3	1725	56HZ	**116593.00**	√	859	A6T17DR33	47	208-230/460	Auto.	8.6	1.15	82.5	14.19	S, US, 33

Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC – Fan Motors

Fan & Blower Motors

Multi-Speed - Single & Three Phase

Features:

- Variable torque
- PSC Type for shaft mounted fan applications
- Overload protected with a UL and CSA recognized automatic reset protector
- Listed speed or two speed operation using the proper auxiliary switch - reference drawing 005210.01
- Variable speed by using a variable voltage control
- Overload protected with a UL and CSA recognized automatic reset protector
- Must be mounted in airstream for proper motor cooling
- Extended through-bolts
- Epoxy painted motors

Single Phase - TEAO - PSC Type - Resilient Base

HP/kW	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Z	**100803.00**	√	381	A4P17NR1	19	115/208-230	Auto.	1.4	1.00	10.66	S, MX, 16, 34
1/4	1075	48Z	**100824.00**	√	431	A4P11NR2	20	115/208-230	Auto.	1.4	1.00	10.66	S, MX, 16, 34
1/4	1075	S56Z	**100805.00**	√	477	A4P11NJ1	22	115/208-230	Auto.	1.4	1.00	11.06	S, MX, 17, 34
1/3	1625	48Z	**100804.00**	√	396	A4P17NR2	21	115/208-230	Auto.	1.6	1.00	10.66	S, MX, 16, 34
1/3	1625	S56H	**100767.00**	√	457	A4P17NJ1	22	115/208-230	Auto.	1.6	1.00	10.31	S, MX, 34
1/3	1625	56HY	**111348.00**	√	499	A6P17NZ6	24	115/208-230	Auto.	1.7	1.00	13.44	S, US, 59
1/3	1075	48Z	**100825.00**	√	468	A4P11NR3	25	115/208-230	Auto.	1.8	1.00	11.16	S, MX, 16, 34
1/3	1075	S56HZ	**100806.00**	√	502	A4P11NJ2	27	115/208-230	Auto.	1.8	1.00	11.56	S, MX, 17, 34
1/2	1625	56HZ	**111323.00**	√	570	A6P17NR3	30	115/208-230	Auto.	2.6	1.00	12.56	S, US, 17, 34
1/2	1625	S56H	**100768.00**	√	470	A4P17NJ2	36	115/208-230	Auto.	2.2	1.00	10.81	S, MX, 34
1/2	1075	48Z	**101645.00**	√	505	A4P11NR6	33	115/208-230	Auto.	2.8	1.00	11.16	S, MX, 16, 34
1/2	1075	56HZ	**111321.00**	√	592	A6P11NR1	37	115/208-230	Auto.	3.0	1.00	13.56	S, US, 17, 34
1/2	825	56HZ	**111919.00**	√	664	A6P8NR2	40	115/208-230	Auto.	3.2	1.00	13.56	S, US, 17, 34, 50
3/4	1625	56HZ	**111324.00**	√	624	A6P17NR4	34	115/208-230	Auto.	3.5	1.00	13.06	S, US, 17
3/4	1625	56H	**111266.00**	√	624	A6P17NR1	36	115/208-230	Auto.	3.5	1.00	12.31	S, US
3/4	1075	56HZ	**111322.00**	√	671	A6P11NR2	44	115/208-230	Auto.	4.0	1.00	13.56	S, US, 17, 50
1	1625	56HZ	**111267.00**	√	698	A6P17NR2	39	115/208-230	Auto.	4.4	1.00	12.81	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEAO - PSC Type - Rigid Base

HP/kW	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Y	**100699.00**	√	363	A4P17NB7	19	115/208-230	Auto.	1.4	1.00	10.65	S, MX
1/4	1750	48Y	**101252.00**	√	363	A4P17NB27	19	115/208-230	Auto.	1.5	1.00	10.40	S, MX, 50
1/3	1625	48Y	**100700.00**	√	412	A4P17NB8	21	115/208-230	Auto.	1.6	1.00	10.65	S, MX
1/3	1625	56Y	**111202.00**	C/A	475	A6P17NZ1	27	115/208-230	Auto.	1.7	1.00	12.00	S, US, 62
1/3	1750	48Y	**101253.00**	√	412	A4P17NB28	22	115/208-230	Auto.	1.9	1.00	10.65	S, MX, 50
1/3	1140	S56Z	**100604.00**	√	447	A4P11NH1	23	115/208-230	Auto.	1.8	1.00	11.40	S, MX
1/2	1625	48Y	**100701.00**	√	442	A4P17NB9	25	115/208-230	Auto.	2.5	1.00	12.15	S, MX
1/2	1750	S56Y	**101176.00**	√	453	A4K17NH2	24	115/208-230	Auto.	3.5	1.00	10.40	S, MX, 50, 54

Motor 101176 must be mounted within the airflow of the fan
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC - Fan Motors

Two-Speed - Two-Winding - Variable Torque

Features:

- Belted or fan-on-shaft applications
- Can be mounted within or outside the fan's airstream
- Resilient mounted for quiet operation
- 3/4 HP and larger single phase are capacitor start motors; smaller single phase are split phase start
- Ball bearings

Single Phase - Drip-Proof - Resilient Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps High/Low	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-1/12	1725	48Z	**101020.00**	√	409	C4S46DR1	20	115	4.2-3.2	1.00	11.64	S, US, 16
1/3-0.15	1725	S56H	**101021.00**	√	520	C4S46DJ1	26	115	5.0-4.6	1.00	12.27	S, MX
1/2-1/4	1725	56H	**111953.00**	√	649	C6S46DR1	33	115	7.8-4.6	1.00	12.31	S, US
1/2-1/4	1725	56H	**113643.00**	√	649	C6S46DR2	33	230	3.9-2.3	1.00	12.31	S, US
3/4-1/3	1725	56H	**111954.00**	√	942	C6C46DR2	38	115	11.6-7.4	1.00	12.81	S, US, 6
3/4-1/3	1725	56H	**113672.00**	√	942	C6C46DR5	39	230	5.8-3.7	1.15	12.81	S, US, 6
1-0.44	1725	56H	**111955.00**	√	1,108	C6K46DR1	41	115	13.2-9.5	1.00	12.81	S, US, 6, 53
1-0.44	1725	56H	**113373.00**	√	1,108	C6K46DR3	39	230	6.5-4.6	1.00	12.81	S, US, 6, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Drip-Proof - Resilient Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps High/Low	Service Factor	"C" Dim. (Inches)	♥Notes
1/2-.22	1725	56H	**111956.00**	√	979	C6T46DR1	32	208-230	1.8-1.1	1.00	12.31	S, US
1/2-.22	1725	56H	**111957.00**	C/A	979	C6T46DR2	32	460	0.9-0.5	1.00	12.31	S, US
3/4-1/3	1725	56H	**111958.00**	√	1,032	C6T46DR3	36	208-230	2.8-1.6	1.00	13.82	S, US, 6
3/4-1/3	1725	56H	**111959.00**	C/A	1,032	C6T46DR4	36	460	1.4-0.8	1.00	12.81	S, US, 6
1-0.44	1725	56H	**111960.00**	√	1,108	C6T46DR5	40	208-230	4.0-2.4	1.00	12.81	S, US, 6
1-0.44	1725	56H	**111961.00**	√	1,108	C6T46DR6	40	460	1.8-1.0	1.00	12.81	S, US, 6
11/2-.67	1725	56H	**111962.00**	√	1,344	C6T46DR7	40	208-230	5.0-2.6	1.00	12.81	S, US, 6
11/2-.67	1725	56H	**111963.00**	√	1,344	C6T46DR8	40	460	2.5-1.3	1.00	12.81	S, US, 6

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC – Fan Motors

Aeration Fan Motors

Totally Enclosed Air Over Motors (TEAO)

Features:

- Suitable for shaft mounted fans
- Capacitor start designs
- Designed to run in the airflow of the driven fan
- Epoxy enamel finish to resist corrosion
- Ball bearing designs

Single Phase - Capacitor Start - TEAO - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3450	56	**111332.00**	√	473	C6C34NB15	27	115/208-230	5.0	1.00	10.90	S, US, 22
1	3450	56	**111333.00**	√	562	C6C34NB16	29	115/208-230	6.0	1.00	10.90	S, US, 22
1 1/2	3450	56	**111949.00**	√	726	C6C34NB19	32	115/208-230	8.5	1.00	11.40	S, US, 23
1 1/2	3450	143TZ	**120374.00**	√	781	C143C34NB1	31	115/208-230	8.5	1.00	11.84	S, US, 22
2	3450	145TZ	**120375.00**	√	951	C145C34NB1	41	230	10.0	1.00	13.34	S, US, 23
3	3450	145T	**120376.00**	√	1,001	C145K34NB1	45	230	12.8	1.00	13.84	S, US, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEAO - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3450	56Z	**111334.00**	√	485	C6T34NB18	21	208-230/460	2.4	75.5	1.00	9.90	S, US, 22
1	3450	56Z	**111335.00**	√	526	C6T34NB19	22	208-230/460	3.2	77.0	1.00	9.90	S, US, 22
1 1/2	3450	143TZ	**120377.00**	√	604	C143T34NB2	31	208-230/460	4.2	82.5	1.00	11.34	S, US, 23
2	3450	145TZ	**120378.00**	√	715	C145T34NB1	34	208-230/460	5.6	82.5	1.00	11.84	S, US, 23
3	3450	145T	**120379.00**	√	802	C145T34NB2	38	208-230/460	7.6	84.0	1.00	12.34	S, US, 23

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC – Fan Motors

Ventilation Fan Motor - Dust-Tight - Shaft Mounted

Features:

- Permanent split capacitor start motors
- Direct drive exhaust ventilation fans
- Extended thru-bolt designs
- Built in terminal panel for quick connections
- Motors must be mounted in the mounted fans airstream

Single Phase - PSC Type - TEAO - Thru-Bolt Mount

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1625	48Y	**103783.00**	√	402	A4P17NZ132	22	115/208-230	Auto	1.7	1.00	10.93	S, MX
1/2	1625	48Y	**103782.00**	√	434	A4P17NZ131	20	115/208-230	Auto	2.7	1.00	11.18	S, MX
1/2	825	56Z	**114620.00**	√	754	A6P8NZ2	35	115/208-230	Auto	3.2	1.00	12.63	S, US, 50
1/2	850	48Y	**A099250.00**	√	488	A4P8NZ17	24	115/208-230	Auto	3.2	1.00	10.80	S, MX, 20, 50

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - PSC Type - TEAO - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	850	S56C	**M099251.00**	D	492	A4P8NC2	24	115/208-230	Auto	3.0	1.00	10.40	S, CN, 25
1/2	825	S56C	**A099251.00**	√	492	A4P8NC3	24	115/208-230	Auto	3.0	1.15	10.05	S, MX, 25
1	850	S56CZ	**A009644.00**	√	824	A6P8NC7	45	230	Auto	4.7	1.15	16.10	S, MX, 21, 50

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - PSC Type - TEAO - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	850	56C	**116201.00**	√	679	C6T8NC37	35	208-230/460	3.0	1.00	10.90	S, US	S, CN, 25
1	850	56C	**116202.00**	√	844	C6T8NC38	45	208-230/460	5.0	1.00	12.90	S, US	S, MX, 25

♥ Note listing on inside back flap
Specifications are subject to change without notice

Condenser Fan Motors

Features:

- For shaft mounted fan applications
- Belly band and rigid mount designs
- Designed for vertical shaft up applications
- Enclosed shaft end endshield protects against contaminants
- Automatic overload protection
- Double sealed ball bearings
- **NOT FOR USE WITH INVERTERS**

Three Phase - Drip-Proof - Belly Band & Rigid Mount

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1140	56Y	**116772.00**	√	694	A6T11Z3	25	208-230/460	2.8	66.0	1.15	12.56	S, US, 58
3/4	1140	56Y	**116773.00**	C/A	751	A6T11Z2	31	208-230/460	3.4	75.5	1.15	13.06	S, US, 58
1	1140	56Y	**111147.00**	√	853	A6T11DZ1	37	208-230/460	3.6	77.0	1.15	14.06	S, US, 58
1	1140	56Y	**115778.00**	√	791	A6T11DB20	37	208-230/460	4.0	77.0	1.15	14.05	S, US, 60
1 1/2	1140	56Y	**111148.00**	√	931	A6T11DZ2	42	208-230/460	5.2	78.0	1.15	15.06	S, US, 58
1 1/2	1140	56HY	**115779.00**	√	860	A6T11DB21	39	208-230/460	5.6	79.0	1.15	15.55	S, US, 60

Note 58 - Belly Band Mount
Note 60 - Rigid Base Mount
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Fan & Blower Motors
Single Phase - Commercial Duty

Designed for continuous duty use in ventilation fans, blowers and other belt driven or fan-on-shaft applications.

Features:

- Split phase design motors
- Belt driven or fan-on-shaft applications
- Resilient base for quiet operation
- Automatic overload protection
- Built-in terminal panel for easy connection

Single Phase - Drip-Proof - Resilient Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48	**103797.00**	√	278	A4S17DR71	15	115/208-230	Auto.	2.6	1.35	9.93	S, MX, 32
1/3	1725	48	**103795.00**	√	299	A4S17DR69	17	115/208-230	Auto.	2.8	1.35	10.18	S, MX, 32
1/2	1725	48	**103796.00**	√	346	A4S17DR70	20	115/208-230	Auto.	4.6	1.25	10.18	S, MX, 32

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC – Fan Motors

Residential / Industrial - Split Phase - Belted Fan Motors

Designed for use in air conditioners, roof ventilators and exhaust fans.

Features:

- Low starting torque
- Ball bearings
- Resilient "cradle" style base
- Automatic overload protection

Single Phase - Split Phase - Drip-Proof - Resilient Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48YZ	**M900195.00**	√	253	48S17D1301	13	115	Auto.	5.0	1.35	9.72	S, MX, 7
1/3	1725	56	**M900277.00**	√	488	56S17D7208	20	115	Auto.	5.3/2.9	1.35	10.78	S, MX
1/3	1725	48YZ	**M900196.00**	√	298	48S17D1303	15	115	Auto.	6.1	1.35	9.72	S, MX, 7
1/2	1725	56	**M900599.00**	C/A	610	56S17D5710	30	115	Auto.	8.4/4.5	1.25	11.85	S, US
1/2	1725	48YZ	**M900197.00**	√	390	48S17D1302	20	115	Auto.	7.2	1.25	10.72	S, MX, 7

Note 7 - Includes sleeve to convert shaft to 5/8 inch
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Premium Efficiency - Industrial / Residential - Belted Fan Motors

Designed for use in residential or industrial belted fan applications.

Features:

- High efficiency designs
- Ball bearings
- Special balanced rotors
- Spade connectors on terminal board
- Automatic overload protection
- Drop-in replacement for most standard belted-fan motors
- Extremely quiet running compared to standard fan motors
- Consumes approximately half the power of a standard fan motor

LEESON FHP™ ELECTRIC MOTORS

Single Phase - Drip-Proof - Resilient Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48	**A090602.00**	√	329	A4K17DR14	15	115	Auto.	2.4	1.35	10.39	S, MX, 32, 55
1/3	1725	48	**A090405.00**	√	346	A4K17DR15	19	115	Auto.	3.2	1.35	10.39	S, MX, 32, 55
1/2	1725	48	**A090585.00**	√	425	A4K17DR13	22	115	Auto.	5.0	1.35	11.64	S, MX, 32, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON®

Designed for use where the fan is mounted directly to the motor shaft. Yoke style mount is the industry standard type mount.

Features:

- Drop-in replacement for most standard belted-fan motors
- Extremely quiet running compared to standard fan motors
- Consumes approximately half of the power of a standard fan motor
- Permanent split capacitor type
- Ball bearing design
- Heavy-gauge steel yoke is welded to the motor frame
- 10-32 mounting studs are extended 1.0" on 5.14" bolt circle
- Motors are UL and CSA recognized for both the U.S. and Canadian markets
- Automatic overload protection

Single Phase - PSC Type - TEAO - Yoke Mount

HP	RPM 60 Hz*	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 115 V	Service Factor	Shaft Dia.	"C" Dim. (Inches)	♥Notes
1/4	1625	48Y	**103711.00**	√	278	A4P17NZ117	22	115/208-230	Auto.	3.6	1.00	0.50	10.81	S, MX
1/4	1625	48Y	**191908.00**	D	278	A4P17NZ64	14	115/208-230	Auto.	2.6	1.00	0.63	10.95	S, CN
1/4	1625	48Y	**103712.00**	√	278	A4P17NZ118	23	115/208-230	Auto.	3.6	1.00	0.63	10.81	S, MX
1/4	1075	48Y	**191891.00**	D	308	A4P11NZ26	22	115/208-230	Auto.	2.4	1.00	0.50	10.95	S, CN
1/4	1075	48Y	**103713.00**	√	308	A4P17NZ119	18	115	Auto.	3.2	1.00	0.50	10.06	S, MX
1/4	1075	48Y	**103714.00**	√	308	A4P17NZ120	18	115	Auto.	3.2	1.00	0.63	10.06	S, MX
1/3	1625	48Y	**103715.00**	√	305	A4P17NZ121	24	115/208-230	Auto.	3.5	1.00	0.50	10.81	S, MX
1/3	1625	48Y	**103716.00**	√	305	A4P17NZ122	20	115/208-230	Auto.	3.5	1.00	0.63	10.81	S, MX
1/3	1075	48Y	**103717.00**	√	345	A4P17NZ123	20	115	Auto.	4.2	1.00	0.50	10.06	S, MX
1/3	1075	48Y	**103718.00**	√	345	A4P17NZ124	25	115	Auto.	4.2	1.00	0.63	10.06	S, MX
1/2	1625	48Y	**103719.00**	√	351	A4P17NZ125	25	115/208-230	Auto.	5.4	1.00	0.50	11.06	S, MX
1/2	1625	48Y	**103720.00**	√	351	A4P17NZ126	25	115/208-230	Auto.	5.4	1.00	0.63	11.06	S, MX
1/2	1075	48Y	**103721.00**	√	399	A4P17NZ127	25	115	Auto.	5.7	1.00	0.50	11.06	S, MX
1/2	1075	48Y	**103722.00**	√	399	A4P17NZ128	25	115	Auto.	5.7	1.00	0.63	11.06	S, MX

* Two-speed operation possible by connecting 115V power to 230V connections. Actual speed (approx. 67% of rated speed) will depend on fan blade design.
D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC - Fan Motors

Two-Speed Motors

Three Phase - Variable and Constant Torque

Variable torque motors are typically used on applications such as fans, blowers and centrifugal pumps.

Constant torque motors are typically used on mixers, compressors, conveyors, extractors, feeders and laundry machinery.

Constant horsepower motors are typically used on machine tools such as drills, lathes, punch presses and milling machines.

Features:

- Two-speed, single winding designs
- Totally enclosed fan cooled designs
- Ball bearing designs
- Single voltage designs

Variable Torque - 460 Volt - Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 460V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	**120945.00**	C/A	1,005	C143T48FB7	36	460	1.6–0.7	1.00	12.75	S, US
1.5/.37	1800/900	145T	**120941.00**	√	1,046	C145T48FB60	36	460	2.4–1.0	1.00	12.75	S, US
2/.5	1800/900	145T	**120940.00**	C/A	1,219	C145T48FB48	36	460	3.2–1.3	1.00	12.75	S, US
3/.75	1800/900	184T	**131474.00**	C/A	1,306	C184T48FB67	77	460	4.0–1.8	1.00	14.46	S, MX
5/1.2	1800/900	184T	**131475.00**	√	1,667	C184T48FB68	107	460	6.5–2.5	1.00	15.96	S, MX
7.5/1.9	1800/900	215T	**140447.00**	√	2,349	C215T48FB46	155	460	9.7–3.3	1.00	17.71	S, MX
10/2.5	1800/900	215T	**140448.00**	√	2,767	C215T48FB48	168	460	12.7–4.2	1.00	18.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Variable Torque - 208-230 Volt - Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	**120944.00**	C/A	1,005	C143T48FB6	36	208-230	3.2–1.4	1.00	12.75	S, US
1.5/.37	1800/900	145T	**120947.00**	C/A	1,049	C145T48FB61	36	208-230	4.8–2.0	1.00	12.75	S, US
2/.5	1800/900	145T	**120946.00**	√	1,219	C145T48FB59	35	208-230	6.3–2.6	1.00	12.75	S, US
3/.75	1800/900	184T	**131468.00**	√	1,306	C184T48FB61	78	208-230	8.0–3.6	1.00	14.46	S, MX
5/1.2	1800/900	184T	**131469.00**	√	1,667	C184T48FB62	94	208-230	13.0–5.0	1.00	15.96	S, MX
7.5/1.9	1800/900	215T	**140443.00**	C/A	2,372	C215T48FB45	154	208-230	19.4–6.6	1.00	17.71	S, MX
10/2.5	1800/900	215T	**140444.00**	C/A	2,767	C215T48FB47	166	208-230	25.4–8.4	1.00	18.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Constant Torque - 460 Volt - Three Phase - One Winding - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 460V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	**120943.00**	C/A	1,433	C143T48FB9	36	460	1.4–1.6	1.00	13.25	S, US
2/1	1800/900	184T	**131471.00**	√	1,832	C184T48FB64	68	460	2.9–2.9	1.00	13.96	S, MX
3/1.5	1800/900	184T	**131470.00**	√	2,079	C184T48FB63	80	460	3.8–3.5	1.00	14.96	S, MX
5/2.5	1800/900	215T	**140445.00**	C/A	2,717	C215T48FB43	145	460	6.7–7.0	1.00	17.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

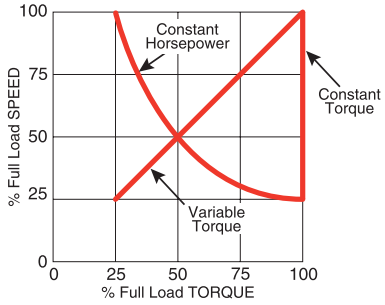
Constant Torque - 208-230 Volt - Three Phase - One Winding - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	**120942.00**	C/A	1,433	C143T48FB8	37	208-230	3.2–4.2	1.00	12.75	S, US
2/1	1800/900	184T	**131473.00**	C/A	1,832	C184T48FB66	69	208-230	5.8–5.7	1.00	13.96	S, MX
3/1.5	1800/900	184T	**131472.00**	√	2,079	C184T48FB65	80	208-230	7.6–6.9	1.00	14.96	S, MX
5/2.5	1800/900	215T	**140446.00**	C/A	2,717	C215T48FB44	137	208-230	13.4–14.0	1.00	17.71	S, MX

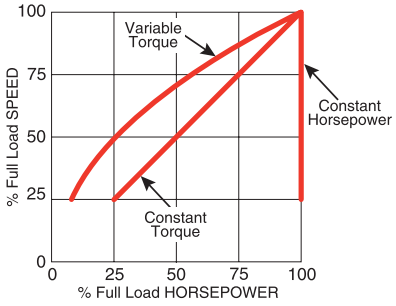
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

TORQUE



HORSEPOWER

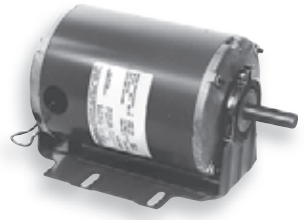


HVAC – Fan Motors

PSC - Variable Speed - Resilient Base - Single Phase

Features:

- Agricultural fan duty
- Extended thru-bolts
- Totally enclosed air over (TEAO) designs



Single Phase - TEAO - Resilient Base - PSC Type

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Z	**LM24445**	√	610	SPA4S0.25TZRY1A6027AP11-1	20	115/208-230	Auto.	1.8	1.00	11.06	S, MX, 16
1/4	1625	48Z	**LM24447**	C/A	472	SPA4S0.25TZRY1A6027AP10-1	17	115/208-230	Auto.	1.6	1.00	10.09	S, MX, 16
1/3	1625	48Z	**LM24450**	√	670	SPA4S0.33TZRY1A6027AP11-1	23	115/208-230	Auto.	1.9	1.00	11.81	S, MX, 16
1/3	1625	48Z	**LM24448**	√	520	SPA4S0.33TZRY1A6027AP10-1	17	115/208-230	Auto.	2.2	1.00	10.09	S, MX, 16
1/3	1075	48Z	**LM24443**	√	647	SPA6S0.33TZRY1A6027AP10-1	15	115/208-230	Auto.	2.1	1.00	10.84	S, MX, 16
1/2	1625	48Z	**LM24446**	√	743	SPA4S0.5TZRY1A6027AP11-1	23	115/208-230	Auto.	2.7	1.00	11.81	S, MX, 16
1/2	1625	48Z	**LM24449**	√	575	SPA4S0.5TZRY1A6027AP10-1	21	115/208-230	Auto.	3.0	1.00	10.84	S, MX, 16
1/2	1075	48Z	**LM24444**	√	743	SPA6S0.5TZRY1A6027AP10-1	19	115/208-230	Auto.	3.2	1.00	10.84	S, MX, 16

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEAO - Rigid Base - PSC Type

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1750	48Y	**101252.00**	√	363	A4P17NB27	19	115/208-230	Auto.	1.5	1.00	10.90	S, MX, 50
1/4	1625	48Y	**100699.00**	√	363	A4P17NB7	19	115/208-230	Auto.	1.4	1.00	10.65	S, MX
1/4	1075	48Y	**A099260.00**	√	379	A4P11NB52	21	115/208-230	Auto.	1.5	1.00	10.65	S, MX
1/3	1750	48Y	**101253.00**	√	412	A4P17NB28	22	115/208-230	Auto.	1.9	1.00	10.65	S, MX, 50
1/3	1625	48Y	**100700.00**	√	412	A4P17NB8	22	115/208-230	Auto.	1.6	1.00	10.65	S, MX
1/3	1625	56Y	**111202.00**	C/A	475	A6P17NZ1	24	115/208-230	Auto.	1.7	1.00	12.00	S, US, 58
1/3	1140	S56Y	**100604.00**	√	447	A4P11NH1	23	115/208-230	Auto.	1.8	1.00	11.40	S, MX
1/3	1075	48Y	**A099261.00**	√	481	A4P11NB53	21	115/208-230	Auto.	1.8	1.00	10.90	S, MX
1/2	1750	S56Y	**101176.00**	√	453	A4K17NH2	26	115/208-230	Auto.	3.5	1.00	10.40	S, MX, 50, 54
1/2	1750	48Y	**100701.00**	√	442	A4P17NB9	29	115/208-230	Auto.	2.5	1.00	12.15	S, MX
1/2	1075	48Y	**A099946.00**	√	463	A4P11NB54	26	115/208-230	Auto.	2.5	1.00	11.90	S, MX
3/4	1075	56HZ	**A099847.00**	√	661	A6P11NB5	35	115/208-230	Auto.	3.7	1.00	13.56	S, MX

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Used in ag fan and blower applications. Screens used to protect against entry of pests and and silage.

Features:

- NEMA® Premium and EPAct efficiency
- Rodent screens
- Re-greasable bearings
- Cast Iron construction
- 1.25 service factor
- Class F insulation
- Inverter duty insulation system
- UL recognized and CSA certified
- TZ shafts are 1 inch longer than NEMA

Three Phase - Open Drip Proof - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 230V	% F.L. EFF.	"C" Dim. (Inches)	♥Notes
10	1800	215TZ	**G151828.60**	D	1,149	C215T17DB54	168	208-230/460	25.0	89.5	16.75	C, CN
10	1800	215T	**171859.60**	D	1,631	C215T17DB65	168	208-230/460	25.6	91.7	17.90	C, CN
10	1800	215TZ	**171861.60**	√	1,631	C215T17DB69	168	208-230/460	25.6	91.7	17.90	C, CN
15	1800	254TZ	**G151540.60**	D	1,692	C254T17DB12	265	208-230/460	37.6	91.0	21.89	C, CN
15	1800	254T	**170540.60**	D	2,194	C254T17DB45	279	208-230/460	37.0	93.0	20.94	C, CN
15	1800	254TZ	**171862.60**	√	2,194	C254T17DB48	279	208-230/460	37.0	93.0	20.94	C, CN
20	1800	256TZ	**G151541.60**	D	2,104	C256T17DB7	307	208-230/460	48.0	91.7	23.54	C, CN
20	1800	256T	**170541.60**	D	2,675	C256T17DB10	324	208-230/460	51.0	93.0	22.60	C, CN
20	1800	256TZ	**171863.60**	√	2,675	C256T17DB15	324	208-230/460	51.0	93.0	22.60	C, CN
25	1800	284TZ	**G151829.60**	D	2,301	C284T17DB11	388	208-230/460	59.6	91.7	23.54	C, CN
25	1800	284T	**171857.60**	D	3,524	C284T17DB12	388	208-230/460	59.6	93.6	23.54	C, CN
25	1800	284TZ	**171864.60**	√	3,524	C284T17DB15	388	208-230/460	59.6	93.6	23.54	C, CN
30	1800	286TZ	**G151542.60**	D	2,931	C286T17DB12	434	208-230/460	72.0	92.4	26.57	C, CN
30	1800	286T	**170542.60**	D	3,603	C286T17DB13	471	208-230/460	71.0	94.1	25.00	C, CN
30	1800	286TZ	**171865.60**	√	3,603	C286T17DB16	471	208-230/460	71.0	94.1	25.00	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

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HVAC – Fan Motors

Crop Dryer Motors

Features:

- Open air over, fan-on-shaft design
- Continuous duty
- Thermostats provide overload protection
- Extra nameplate provided for remote mount
- Keyed shaft with 1/4-20 UNC tapped hole in end
- Grey epoxy painted
- Rodent screen protection
- Capacitors shipped loose with 215 TZ frame motors

Single Phase - Rigid Base - Open Air Over

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
3-4.5	3600	145TZ	**LM24778**	√	1,267	SSD2S3-4.5TZ1B66QS10-1	46	230	Auto	13.0	1.50	13.74	S, MX
5-7	3600	182TZ	**131847.00**	√	1,488	C182C34DB2	91	230	T-Stat	27.2-35.0	1.00	16.44	S, MX
7.5-10	3600	182TZ	**131848.00**	√	1,654	C182K34DB4	95	230	T-Stat	31.0-42.0	1.00	16.44	S, MX
7-10	3600	184TZ	**LM24780**	√	2,073	SSD2S7-10TZ1B66QS11-1	102	230	T-Stat	31.0-42.0	1.40	15.94	S, MX
10-15	3600	215TZ	**140640.00**	√	2,543	C215K34DB2	159	230	T-Stat	39.5-61.5	1.00	20.42	S, MX
10-15	3600	215TZ	**LM24782**	√	2,633	SS215D2S10-15TZ1C66QS11-1	135	230	T-Stat	39.5-61.5	1.50	18.16	S, MX
10-15	3600	215TZ	**141084.00**	√	2,543	C215K34DB3	159	230	T-Stat	40.0	1.00	20.08	S, MX, 52

▼ LM Numbers are Lincoln Models
Note 52 - Extra High Starting Torque

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Rigid Base - Open Air Over

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
5-7.5	3600	184TZ	**131849.00**	√	1,205	C184T34DB8	70	208-230/460	T-Stat	19.0	1.00	13.94	S, MX
7.5-10	3600	184TZ	**131850.00**	√	1,407	C184T34DB9	85	208-230/460	T-Stat	24.2	1.00	15.44	S, MX
10-15	3600	215TZ	**140641.00**	√	1,697	C215T34DB3	95	208-230/460	T-Stat	40.0	1.50	17.41	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Features:

- Automatic overload protected
- 15MFD, 370V capacitor shipped loose with motor
- 101341.00 is a permanent split capacitor motor
- Motor 114102.00 is a split phase two-speed motor
- Double shielded ball bearings

Single Phase - TEAO

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Y	**101341.00**	√	467	A4P17NZ24	17	115/208-230	Auto.	2.8	1.00	8.93	S, US, 16, 34, 58
1/3	1800	48Z	**103878.00**	√	504	L4P17NZ149	20	115/208-230	Auto.	1.65	1.00	9.93	S, MX, 16, 34
1/2-0.22	1725	56H	**114102.00**	√	609	A6S46NR4	33	115	Auto.	9.3-5.6*	1.25	11.81	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Variable Speed - High Performance AG Fan Motors

Features:

- Water-tight connection end compartment
- Locked double sealed ball bearings
- All angle mounting
- Shaft seal on output shaft end
- Automatic overload protection

Single Phase - PSC Type - TEAO - Rigid Base - Extended Thru-Bolts

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Y	**A099899.00**	√	359	A4P17NZ139	19	115-208/230	Auto.	1.4	1.00	10.64	S, MX
1/4	1060	48Y	**A099460.00**	√	388	A4P11NB5	23	115-208/230	Auto.	1.5	1.00	11.14	S, MX
1/3	1625	48Y	**A099900.00**	√	383	A4P17NZ141	20	115-208/230	Auto.	1.6	1.00	10.89	S, MX
1/3	1060	48Y	**A099461.00**	√	415	A4P17NZ86	23	115-208/230	Auto.	1.8	1.00	11.14	S, MX
1/2	1625	48Y	**A099901.00**	√	425	A4P17NZ142	23	115-208/230	Auto.	2.7	1.00	11.39	S, MX
1/2	1060	48Y	**A099462.00**	√	453	A4P11NZ85	26	115-208/230	Auto.	2.8	1.00	11.39	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC – Fan Motors

Agricultural Fan Motors - Belt Drive - TEAO

Features:

- Capacitor start / capacitor run designs for high efficiency
- Mount in airstream for proper cooling
- Combination 56 / 140 frame stamped steel base

High Efficiency - Single Phase - TEAO - Rigid Base

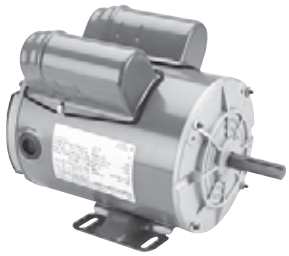
HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1725	56	**M009580.00**	D	520	A6K17NB21	27	115/208-230	——	2.2	1.00	10.33	S, CN
1/2	1725	56	**A009580.00**	√	520	A6K17NB30	27	115/208-230	——	2.3	1.15	11.44	S, MX
3/4	1725	56H	**A009581.00**	√	551	A6K17NB29	30	115/208-230	Auto.	3.3	1.00	11.44	S, MX
1	1725	56H	**A009782.00**	√	573	A6K17NB33	37	115/208-230	Auto.	4.0	1.00	11.44	S, MX
1 1/2	1725	56H	**A009594.00**	√	683	A6K17NB32	39	115/208-230	Auto.	5.8	1.00	11.94	S, MX
2	1725	145T	**A009595.00**	√	758	U145K17NB2	47	230	Auto.	9.2	1.00	13.49	S, MX

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap
Specifications are subject to change without notice

Agriculture Fan

115/230 Volts - Belt Drive - Overload Protection



LM24777 is TEAO Design - Single Phase - TENV - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1725	56Z	**LM24776**	√	732	SRN4S0.5TZ1B6027TP2-1	21	115/208-230	Auto	2.3	1.00	10.47	S, MX, 12, 53
1	1725	56Z	**LM24777**	√	979	SRA4S1TZ1B6027TP2-1	32	115/208-230	Auto	4.6	1.00	10.72	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap
Specifications are subject to change without notice

Features:

- 1/2" long thru-bolts
- 48Y - 1/2" dia., 1-1/2 long shaft with flat
- 48YZ - 1/2" dia., 2-1/2" long shaft with two flats

Single Speed - Single Phase - TEAO - Thru-Bolt Mount

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 115V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48Y	**LM24488**	√	445	SPN4S0.25TZNY1S6001TP1-1	10	115	Auto	4.0	1.00	7.62	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap
Specifications are subject to change without notice

Two Speed - Single Phase - TEAO - Thru-Bolt Mount

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 115V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48YZ	**LM24492**	√	464	SPA4/6/1S0.25/0.25TZNY1S 6001TP2-1	17	115	Auto	4.1	1.00	11.09	S, MX
1/3	1725	48YZ	**LM24491**	√	522	SPA4/6/1S0.33/0.33TZNY1S 6001TP2-1	18	115	Auto	5.3	1.00	11.34	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC – Fan Motors

Lincoln Agriculture Fan Motors

Features:

- Single phase - 115 & 230 Volts
- Extended thru-bolts on 48Z frame motors
- 48Z - 1/2 dia. shaft, 2-1/2 long with two flats
- 56Z - 1/2 dia. shaft, 2-1/2" long shaft with keyway
- Includes 5/8" shaft adaptor sleeve with key

Single Phase - PSC Type - TEAO - Resilient Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48Z	**LM24487**	C/A	464	SPA4S0.25TZRY1S6001TP2-1	17	115	Auto	3.5	1.00	10.09	S, MX
1/3	1725	48Z	**LM24486**	√	522	SPA4S0.33TZRY1S6001TP2-1	21	115	Auto	4.5	1.00	10.09	S, MX
1/2	1725	56Z	**LM24809**	C/A	705	SRA4S0.5TZR1S6027TP2-1	24	115/208-230	Auto	6.6	1.00	11.34	S, MX

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Aeration Fan, HVAC

115 & 230 Volts - Single Phase

Features:

- Automatic overload protected
- Sealed bearings
- 18" extended leads
- Shaft has keyway and 1/4-20 UNC tapped hole on end of shaft

Single Phase - TEAO - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56Z	**LM24786**	√	566	SRA2S1TZ1C6027L10MB6TP2-1	29	115/208-230	Auto	5.6	1.15	10.94	S, MX
1 1/2	3600	143TZ	**LM24787**	√	642	SSA2S1.5TZ1C6027L10MB6TP2-1	35	115/208-230	Auto	8.4	1.15	11.49	S, MX
3	3600	145TZ	**LM24788**	√	791	SS145A2S3TZ1B66L10MB6TP2-1	52	230	Auto	11.8	1.15	13.49	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap
Specifications are subject to change without notice

HVAC - Fan Motors

TEAO Cooling Tower Single Speed Motors

Applications:

Cooling towers, fan and blowers, and other severe duty environments where long life and high efficiency are desired.

Features:

- Complete cast iron construction for rigidity and reduced vibration
- Epoxy painted
- Severe duty treatment of internal parts
- Class F insulation
- F-1 / F-2 capable
- Re-greaseable bearings
- Brass T-drain installed - both ends at 6:00
- *Inpro shaft seal protected
- Shaft grounding ring (SGRs) installed
- Inverter rated IRIS® insulation system
- 10:1 constant and variable torque rated
- Extra nameplate with CE for external mounting
- Designed for shaft up mounting
- 3-year warranty
- 1.15 S.F. under sine wave power

Three Phase - TEAO - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 230V	% F.L. EFF.	"C" Dim. (Inches)	♥Notes
3	1800	182T	**824528.00**	√	1,620	182TTTN16569	123	208-230/460	8.0	90.2	13.82	C, US
3	1200	213T	**824554.00**	√	2,126	213TTTN16585	225	208-230/460	8.8	89.5	17.47	C, US
5	1800	184T	**824529.00**	√	1,727	184TTTN16542	155	208-230/460	12.4	90.2	15.82	C, US
5	1200	215T	**824555.00**	√	2,138	215TTTN16580	300	208-230/460	13.8	89.5	17.47	C, US
7 1/2	1800	213T	**824530.00**	√	2,221	213TTTN16536	225	208-230/460	19.2	91.7	17.47	C, US
7 1/2	1200	254T	**824556.00**	√	3,383	254TTTNA16580	240	208-230/460	19.8	91.0	22.56	C, US
10	1800	215T	**824531.00**	√	2,326	215TTTN16537	300	208-230/460	25.0	91.7	20.47	C, US
10	1200	256T	**824557.00**	√	3,595	256TTTNA16577	400	208-230/460	26.2	91.0	24.31	C, US
15	1800	254T	**824532.00**	√	3,023	254TTTNA14533	240	208-230/460	39.0	91.0	20.95	C, US
15	1200	284T	**824558.00**	√	3,890	284TTTNA16578	500	208-230/460	41.0	91.7	26.97	C, US
20	1800	256T	**824533.00**	√	3,195	256TTTNA14533	400	208-230/460	50.0	91.0	22.70	C, US
20	1200	286T	**824559.00**	√	4,300	286TTTNA16576	500	208-230/460	53.5	91.7	26.97	C, US
25	1800	284T	**824534.00**	√	3,799	284TTTNA14536	500	208-230/460	63.0	92.4	26.97	C, US
25	1200	324T	**824560.00**	√	5,988	324TTTS16579	550	208-230/460	65.0	93.0	26.14	C, US
30	1800	286T	**824535.00**	√	4,430	286TTTPA14531	500	208-230/460	74.0	92.4	26.19	C, US
30	1200	326T	**824561.00**	√	6,006	326TTTS16578	600	208-230/460	77.0	93.0	27.64	C, US
40	1800	324T	**824536.00**	√	5,743	324TTTPA14532	550	208-230/460	100.0	93.0	28.10	C, US
40	1200	364T	**824562.00**	√	10,179	364TTTS16576	850	208-230/460	100.0	94.1	29.01	C, US
50	1800	326T	**824537.00**	√	7,233	326TTTPA14532	600	208-230/460	122.0	93.0	29.60	C, US
50	1200	365T	**824563.00**	√	10,486	365TTTS16578	1000	208-230/460	123.0	94.5	30.01	C, US
60	1800	364T	**824538.00**	√	10,122	364TTTS14531	850	208-230/460	144.0	93.6	28.88	C, US
60	1200	404T	**824564.00**	√	13,589	404TTTS16576	1250	208-230/460	144.0	94.5	34.38	C, US
75	1800	365T	**824539.00**	√	12,601	365TTTS14533	1000	208-230/460	178.0	94.1	29.88	C, US
75	1200	405T	**824565.00**	√	14,293	405TTTS16578	1250	208-230/460	179.0	95.0	34.38	C, US
100	1800	405T	**824540.00**	√	15,604	405TTTS14531	1250	208-230/460	228.0	94.5	34.25	C, US
100	1200	444T	**824566.00**	√	20,864	444TTTN16578	1990	208-230/460	240.0	95.4	40.13	C, US
125	1800	444T	**824541.00**	√	20,088	444TTTN14531	1990	460	143*	94.5	40.03	C, US
125	1200	445T	**824567.00**	√	23,194	445TTTN16579	2343	460	148*	95.4	40.05	C, US
150	1800	445T	**824542.00**	√	23,920	445TTTN14532	2343	460	172*	95.0	40.13	C, US
150	1200	445T	**824568.00**	√	26,232	445TTTN16578	2556	460	181*	95.8	40.13	C, US
200	1800	445T	**824543.00**	C/A	28,551	445TTTN14533	2556	460	225*	95.0	40.13	C, US
200	1200	449T	**824569.00**	C/A	33,338	449TTTS16577	2409	460	240*	95.8	48.62	C, US
250	1800	449T	**824544.00**	C/A	27,590	449TTTS14531	2409	460	290*	95.0	48.62	C, US
250	1200	449T	**824570.00**	C/A	36,931	449TTTS16576	2409	460	300*	95.8	48.62	C, US

C/A - Check Availability
* - Amps at 460 Volts

♥ Note listing on inside back flap
Specifications are subject to change without notice

*Inpro is believed to be the trademark or trade name of INPRO/SEAL LLC and is not controlled by Regal Beloit Corporation.

Kiln Duty Motors

TEAO - Severe Duty

Applications:

Fans found in kilns and other high ambient temperature environments where long life and high efficiency are desired. These TEAO motors must be mounted within the airstream for proper cooling. Suitable for use on variable frequency drives.

Features:

- Cast iron construction for rigidity and reduced vibration
- Internal and external epoxy paint
- IRIS® Inverter duty insulation system
- Class H insulation system
- Normally closed thermostats (one per phase, Class H)
- Heat stabilized ball bearings and high temperature grease
- Suitable for inverter use for 20:1 variable torque with 1.0 S.F. in 90°C ambient
- Suitable for 90°C ambient at 1.15 S.F. or 100°C ambient at 1.0 S.F.
- Extended grease tubes, regreasable in service
- 8 foot leads
- UL Recognized and CSA certified

Three Phase - TEAO - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 230V	% F.L. EFF.	"C" Dim. (Inches)	♥Notes
2	1800	145T	**824573.00**	√	2,036	145TTTN16635	68	460	2.8	85.5	11.43	C, US
2	1200	184T	**824574.00**	√	2,816	184TTTS18577	115	460	3.0	87.5	13.71	C, US
3	1800	182T	**824575.00**	√	2,753	182TTTS18532	99	460	3.9	90.2	13.71	C, US
3	1200	213T	**824576.00**	√	2,990	213TTTS17077	175	460	4.3	89.5	15.69	C, US
5	1200	215T	**824577.00**	√	3,443	215TTTS17077	185	460	6.9	87.5	17.19	C, US
7 1/2	1200	254T	**824578.00**	√	4,223	254TTTNA17078	660	460	9.8	90.2	20.60	C, US
10	1200	256T	**824579.00**	√	4,842	256TTTNA16579	140	460	12.8	91.0	22.35	C, US
10	900	284T	**824580.00**	√	5,019	284TTTNA17103	475	460	15.2	88.5	23.44	C, US
15	1800	254T	**824581.00**	√	3,985	254TTTNA16546	276	460	18.2	92.4	20.60	C, US
15	1200	284T	**824582.00**	√	5,799	284TTTNA16580	425	460	20.5	91.7	23.44	C, US
20	1200	286T	**824583.00**	√	6,351	286TTTNA16577	520	460	27.0	91.7	24.94	C, US
20	900	324T	**824584.00**	C/A	7,761	324TTTS16604	536	460	29.5	90.2	26.00	C, US
25	1200	324T	**824585.00**	C/A	7,979	324TTTS16580	675	460	33.0	92.4	26.00	C, US
30	1200	326T	**824586.00**	C/A	8,449	326TTTS16580	725	460	38.0	93.0	27.50	C, US

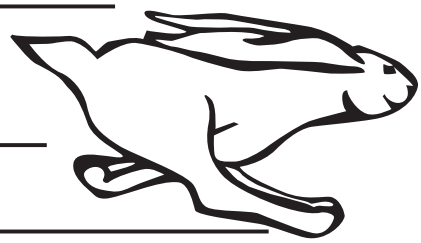
Shaded model numbers are cast iron frame

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Custom PDQ



PDQ Modular Production Program

Custom Multi-Speed, Low Speed and Modified Motors, one or several at a time, on a quick turnaround basis.

LEESON's "Modular Production" utilizes specially designed and standard components to make almost any imaginable NEMA frame multi-speed or low-speed motor available when you need it.

Quick Turnaround-LEESON's Custom PDQ can provide quick answers to inquiries and fast turnaround for orders of highly customized motors.

Comprehensive Catalog - Features the Industry's most extensive two-speed and low speed motor selection as well as a listing of commonly requested modifications. Call for your copy of LEESON Catalog 1057 - Multi-Speed, Low-Speed and Modified Motors.

Full Fact Acknowledgement - With Custom PDQ all custom motors are promptly and fully acknowledged upon receipt of order. The acknowledgement includes the complete motor specification pricing and shipping date.

Motors of 254T frame and larger are of cast iron construction with all the rugged features of LEESON's stock single-speed motors described on pages 38 & 39 of this catalog. All two-speed designs are class F insulated and have a 1.15 S.F.

Whether for the everyday or not-so-everyday needs, Custom PDQ gives you the ability to say "Yes" to requests for customized motors.

Multi-speed
Two, three and four-speed motors
Low Speed
900, 720, 600, 450 and 300 rpm

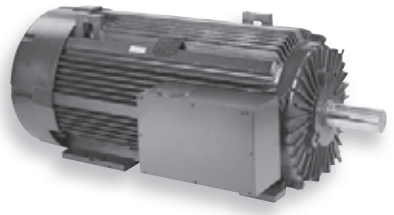
Modified as per Catalog 1057 - Some examples are:

- Anti-condensation heaters
- Brakemotors, custom
- Cooling tower specifications
- Downsized frames
- Epoxy and fungus proofing
- 50 Hz
- Premium-efficiency, North American manufacture
- Insulation, special
- Marine duty (below deck)
- Part winding (low and high voltages)
- Shafts, modified
- Thermostats
- Thermistors
- Washdown service
- IEEE841 conversion of WATTSAVER® motors
- Voltages (non-standard)

…and many more

Special Voltage Motors

General Purpose – Totally Enclosed & Drip-Proof - 575 Volt - 200/400 Volt
50 HZ - Medium Voltage Designs
Steel Frame – Aluminum Frame – Cast Iron Frame



- Standard, EPAct and premium efficient ratings
- Inverter rated
- Class B insulation systems – 42, 48 and 56 frames
- Class F insulation system – 140 frame and higher
- Shielded ball bearings for direct coupled applications.
  Contact your local sales office for belted load applications
- Rolled steel, aluminum, and cast iron frame material designs
- Continuous duty
- Dynamically balanced rotors
- Torques exceed NEMA® performance standards
- UL recognized and CSA certified

Applications:
For use where special voltages are required. Ideally suited for use on pumps, compressors, fans, blowers, conveyors, machine tools and other industrial applications

NEMA is a trademark of National Electrical Manufacturers Corporation. All Rights Reserved.

LEESON®

Special Voltage Motors

575 Volt - Three Phase - TEFC

Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 575V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56	**110714.00**	√	428	C6T34NB6	25	575	0.6	82.5	1.15	10.40	S, US, 12
1/2	1800	56	**110199.00**	√	467	C6T17NB4	25	575	0.8	78.5	1.15	9.88	S, US, 12
1/2	1800	56	**LM24154**	√	487	SRF4S.5T65	22	575	0.9	70.0	1.25	10.72	S, MX
1/2	1800	S56	**101051.00**	√	467	C4T17FH3	24	575	0.8	68.0	1.15	9.94	S, MX
1/2	1200	56	**LM24295**	C/A	704	SRF6S0.5T65	24	575	1.1	68.0	1.15	11.82	S, MX
3/4	3600	56	**110354.00**	√	471	C6T34FB8	22	575	0.9	75.5	1.15	10.81	S, US
3/4	1800	56	**110178.00**	√	496	C6T17FB3	22	575	1.1	77.0	1.15	10.81	S, US
3/4	1200	56	**111394.00**	√	706	C6T11FB8	30	575	1.2	75.5	1.15	11.81	S, US
1	3600	56	**110715.00**	√	551	C6T34FB15	24	575	1.3	77.0	1.15	10.81	S, US
1	1800	56	**119539.00**	√	767	C6T17FB184	31	575	1.3	85.5	1.15	12.93	S, MX
1	1800	143T	**121937.00**	√	794	C143T17FB29	32	575	1.1	85.5	1.15	13.25	S, US
1	1200	145T	**121938.00**	√	939	C145T11FB31	47	575	1.4	82.5	1.25	13.43	S, US
1 1/2	3600	145T	**121939.00**	√	812	C145T34FB41	33	575	1.6	84.0	1.25	13.25	S, US
1 1/2	1800	56	**119540.00**	√	808	C6T17FB185	33	575	1.9	86.5	1.15	12.98	S, US
1 1/2	1800	145T	**121940.00**	√	824	C145T17FB90	34	575	1.8	86.5	1.15	13.43	S, US
1 1/2	1200	182T	**132251.00**	√	1,369	C182T11FB13	89	575	2.5	87.5	1.15	14.46	S, MX
2	3600	145T	**121941.00**	√	888	C145T34FB42	44	575	2.1	85.5	1.15	13.43	S, US
2	1800	145T	**121942.00**	√	858	C145T17FB91	45	575	2.2	86.5	1.15	14.43	S, US
2	1200	184T	**132252.00**	√	1,394	C184T11FB26	92	575	2.9	88.5	1.15	14.96	S, MX
3	3600	182T	**171624.60**	√	1,232	C182T34FB7	66	575	3.0	86.5	1.15	13.96	C, CN
3	3600	182T	**LM16383**	D	908	AF2P3T65	72	575	3.0	85.5	1.25	14.19	A, US
3	3600	182T	**LM33601**	C/A	1,015	AF2B3T65AP26	83	575	3.1	86.5	1.25	14.96	A, MX
3	1800	182T	**132253.00**	√	971	C182T17FB52	80	575	3.3	89.5	1.15	14.96	S, MX
3	1800	182T	**LM16384**	D	818	AF4P3T65	77	575	3.4	87.5	1.25	14.19	A, US
3	1800	182T	**LM33603**	C/A	1,024	AF4B3T65AP26	83	575	3.4	89.5	1.25	14.19	A, MX
5	3600	184T	**132254.00**	√	1,101	C184T34FB24	88	575	4.8	88.5	1.15	16.46	S, MX
5	1800	184T	**132255.00**	√	1,067	C184T17FB64	94	575	5.2	89.5	1.15	15.96	S, MX
5	1800	184T	**LM34215**	√	1,186	AF4B5T65AP26	95	575	5.1	89.5	1.00	14.96	A, MX
5	1200	215T	**LM16388**	D	1,713	AF6P5T65	155	575	6.0	87.5	1.25	18.70	A, US
5	1200	215T	**LM34214**	√	1,943	AF6B5T65	159	575	5.5	89.5	1.00	18.84	A, US
5	900	254T	**LM34117**	C/A	2,861	AF8B5T65	165	575	6.0	86.5	1.15	23.51	A, US
7 1/2	3600	213T	**170196.60**	√	1,571	C213T34FB43	156	575	7.4	90.2	1.25	19.84	C, CN
7 1/2	1800	213T	**141291.00**	√	1,371	C213T17FB24	144	575	7.7	91.7	1.15	18.73	S, MX
7 1/2	1800	213T	**LM16391**	D	1,518	AF4P7.5T65	160	575	8.0	91.0	1.25	19.70	A, US
7 1/2	1800	213T	**LM34216**	√	1,866	AF4B7.5T65	162	575	7.7	91.7	1.00	18.84	A, US
10	3600	215T	**170197.60**	√	1,861	C215T34FB48	181	575	9.5	91.7	1.25	19.61	C, CN
10	1800	215T	**170212.60**	√	1,807	C215T17FB44	177	575	10.1	91.7	1.25	19.61	C, CN
10	1800	215T	**LM16395**	D	1,678	AF4P10T65	138	575	10.8	89.5	1.25	18.70	A, US
10	1800	215T	**LM34217**	√	1,979	AF4B10T65	165	575	10.7	91.7	1.00	18.84	A, US

Shaded model numbers are cast iron frame

Continued To Next Page

▼ LM Numbers are Lincoln Models

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

C/A - Check Availability

Note 12 - TENV

Other stock 575V motors are available from LEESON through our Canadian facility.

♥ Note listing on inside back flap

Specifications are subject to change without notice

Special Voltage Motors

575 Volt - Three Phase - TEFC

Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 575V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
15	3600	254T	**170198.60**	√	2,528	C254T34FB5	282	575	13.8	92.4	1.25	23.19	C, CN
15	1800	254T	**170116.60**	√	2,889	C254T17FB11	280	575	14.8	92.4	1.25	23.19	C, CN
15	1800	254T	**LM17076**	√	3,046	AF4B15T65	240	575	15.6	92.4	1.25		A, US
20	3600	256T	**170199.60**	√	3,091	C256T34FB11	316	575	18.4	92.4	1.25	24.92	C, CN
20	1800	256T	**170117.60**	√	3,060	C256T17FB5	322	575	19.2	93.0	1.25	24.92	C, CN
20	1800	256T	**LM15919**	D	2,557	AF4P20T65	236	575	20.0	91.0	1.25	25.15	A, US
20	1800	256T	**LM17079**	C/A	2,991	AF4B20T65	295	575	21.0	93.0	1.25	25.15	A, US
25	3600	284TS	**170224.60**	√	4,019	C284T34FB6	383	575	22.0	93.0	1.25	24.88	C, CN
25	1800	284T	**170118.60**	√	3,796	C284T17FB6	385	575	23.7	93.6	1.25	26.26	C, CN
30	3600	286TS	**170228.60**	√	4,744	C286T34FB6	385	575	26.2	93.0	1.25	26.46	C, CN
30	1800	286T	**170119.60**	√	4,422	C286T17FB6	432	575	29.0	94.1	1.25	27.83	C, CN
30	1800	286T	**LM20086**	C/A	4,658	AF4B30T65Y	585	575	30.0	93.6	1.25	27.88	A, US
40	3600	324TS	**170232.60**	√	5,917	C324T34FB4	504	575	36.0	93.6	1.25	28.03	C, CN
40	1800	324T	**170120.60**	√	5,874	C324T17FB6	528	575	38.1	94.1	1.25	29.53	C, CN
40	1800	324T	**LM14408**	C/A	8,930	SF4B40T65Y	504	575	42.4	94.1	1.25	28.50	S, US
50	3600	326TS	**LM14410**	C/A	8,027	SF2B50TS65Y	558	575	45.0	93.0	1.15		S, US
50	1800	326T	**170121.60**	√	7,094	C326T17FB8	587	575	46.7	94.5	1.25	31.02	C, CN
50	1800	326T	**LM14411**	C/A	9,121	SF4B50T65Y	558	575	51.6	94.5	1.25		S, US
60	3600	364TS	**LM18370**	C/A	9,955	SF2B60TS65Y	765	575	53.0	95.0	1.25	29.77	S, US
60	1800	364T	**170239.60**	√	10,090	C364T17FB7	988	575	54.4	95.4	1.25	32.64	C, CN
60	1800	364T	**LM18366**	C/A	8,546	SF4P60T65Y	765	575	58.0	93.6	1.25	31.90	S, US
60	1800	364T	**LM18369**	C/A	12,326	SF4B60T65Y		575	58.0	95.0	1.25	31.90	S, US
75	3600	365TS	**LM18376**	C/A	12,826	SF2B75TS65Y	822	575	66.5	95.0	1.25	30.77	S, US
75	1800	365T	**170244.60**	√	12,592	C365T17FB5	1050	575	68.7	95.8	1.25	33.62	C, CN
75	1800	365T	**LM18372**	D	10,780	SF4P75T65Y	822	575	73.0	94.1	1.25	32.90	S, US
75	1800	365T	**LM18375**	C/A	12,343	SF4B75T65Y	822	575	73.0	95.4	1.25	32.90	S, US
100	3600	405TS	**LM18290**	C/A	15,029	SF2B100TS65Y	1002	575	85.0	94.1	1.15	35.40	S, US
100	1800	405T	**170253.60**	√	15,658	C405T17FB5	1070	575	89.6	95.4	1.25	37.91	C, CN
100	1800	405T	**LM18307**	C/A	14,911	SF4B100T65Y	1002	575	97.5	95.4	1.15	38.40	S, US
100	1200	444T	**LM15121**	C/A	21,552	SF6B100T65Y	1351	575	109.0	95.4	1.15	41.58	S, US
125	3600	444TS	**LM15119**	C/A	23,109	SF2B125TS65Y	1351	575	106.0	95.8	1.15	37.49	S, US
125	1800	444T	**LM15120**	C/A	19,933	SF4B125T65Y	1351	575	117.0	95.4	1.15	41.58	S, US
150	3600	445TS	**LM34432**	C/A	24,926	SF2B150TS65Y	1504	575	——	95.0	1.15	——	S, US
150	1800	445T	**LM15126**	C/A	25,058	SF4B150T65Y	1531	575	136.0	96.2	1.15	43.56	S, US
200	3600	445TS	**LM15122**	C/A	30,677	SF2B200TS65Y	1531	575	——	96.2	1.15	——	S, US
200	1800	445T	**LM15082**	D	24,974	SF4P200T65Y	1531	575	188.0	95.0	1.15	43.58	S, US
200	1800	445T	**LM15123**	C/A	30,166	SF4B200T65Y	1531	575	188.0	96.2	1.15	43.58	S, US
250	3600	447TS	**LM34340**	C/A	36,114	SF2B250TS65Y	1812	575	——	95.8	1.00	——	S, US
250	1800	447T	**LM15130**	C/A	36,000	SF4B250T65Y	1812	575	226.0	96.2	1.15	47.08	S, US
300	3600	449TS	**LM15138**	C/A	54,511	S449F2B300TS65Y	2185	575	——	95.8	1.15	——	S, US
300	1800	447T	**LM15129**	C/A	39,409	SF4B300T65Y	1812	575	282.0	96.2	1.15	47.08	S, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

▼ LM Numbers are Lincoln Models
Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted
C/A - Check Availability
Other stock 575V motors are available from LEESON through our Canadian facility.

Three Phase - TEFC - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 575V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**110176.00**	√	496	C6T17NC10	20	575	0.8	79.0	1.15	9.94	S, US, 12
3/4	1800	56C	**110177.00**	√	532	C6T17FC7	21	575	1.1	77.0	1.15	10.81	S, US, 13
1	1800	56C	**119542.00**	√	915	C6T17FC251	34	575	1.3	85.5	1.15	12.48	S, US, 13
1	1800	143TC	**122227.00**	√	915	C143T17FC46	35	575	1.3	85.5	1.15	12.67	S, US, 13
1 1/2	1800	56C	**111444.00**	D	602	C6T17FC39	33	575	2.0	78.5	1.15	11.81	S, US, 13
1 1/2	1800	56C	**119543.00**	√	965	C6T17FC252	37	575	1.9	86.5	1.15	12.98	S, US, 13
1 1/2	1800	145TC	**122228.00**	√	965	C145T17FC134	38	575	1.9	86.5	1.15	13.75	S, US, 13
2	3600	56C	**119544.00**	√	962	C6T34FC133	42	575	1.9	85.5	1.15	12.98	S, US, 13
2	1800	145TC	**122229.00**	√	962	C145T17FC129	43	575	2.3	86.5	1.15	13.92	S, US, 13
3	1800	182TC	**132461.00**	√	1,087	C182T17FC43	75	575	3.1	89.5	1.15	13.97	S, US, 13
5	1800	184TC	**132462.00**	√	1,173	C184T17FC52	99	575	5.1	89.5	1.15	15.47	S, MX, 13

Green items are Premium Efficient

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Note 12 - TENV
Note 13 - TEFC
Other stock 575V motors are available from LEESON through our Canadian facility.

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEFC - C Face With Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 575V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**LM24355**	C/A	540	SRF4S0.5TC65	18	575	0.9	70.0	1.15	10.69	S, MX
3/4	1800	56C	**LM24354**	C/A	576	SRF4S0.75TC65	21	575	1.1	75.5	1.15	11.19	S, MX
1	3600	56C	**LM34221**	C/A	663	SRF2B1TC65	25	575	1.3	77.0	1.15	——	S, US
1	1800	56C	**LM34218**	√	947	SRF4B1TC65	26	575	1.4	85.5	1.15	——	S, MX
1	1800	143TC	**LM34222**	C/A	947	SSF4B1TC65	41	575	1.2	85.5	1.25	——	S, MX
1 1/2	3600	56C	**LM34225**	C/A	846	SRF2B1.5TC65	41	575	1.9	84.0	1.15	——	S, MX
1 1/2	1800	56HC	**LM34223**	√	982	SRF4B1.5TC65	31	575	1.9	86.5	1.15	——	S, MX
1 1/2	1800	145TC	**LM24158**	D	634	SSF4P1.5TC65	49	575	1.7	84.0	1.15	14.37	S, MX
1 1/2	1800	145TC	**LM34224**	C/A	982	SSF4B1.5TC65	49	575	1.7	86.5	1.15	——	S, MX
2	3600	56HC	**LM34227**	C/A	851	SRF2B2TC65	31	575	2.4	85.5	1.15	——	S, US
2	1800	56HC	**LM34228**	C/A	1,026	SRF4B2TC65	50	575	2.3	86.5	1.15	——	S, US
2	1800	145TC	**LM34229**	C/A	1,026	SSF4B2TC65	47	575	2.3	86.5	1.15	——	S, MX
3	3600	182TC	**LM33611**	C/A	1,242	AF2B3TC65AP26	95	575	3.1	87.5	1.25	15.19	A, MX
3	1800	182TC	**LM33613**	C/A	1,100	AF4B3TC65AP26	95	575	3.2	89.5	1.25	15.19	A, MX
5	3600	184TC	**LM33615**	C/A	1,416	AF2B5TC65AP26	104	575	5.0	88.5	1.25	15.19	A, MX
5	1800	184TC	**LM33617**	C/A	1,276	AF4B5TC65AP26	104	575	5.0	89.5	1.25	16.19	A, MX
5	1200	215TC	**LM34230**	C/A	2,036	AF6B5TC65	149	575	6.0	89.5	1.25	18.70	A, US

▼ LM Numbers are Lincoln Models

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Special Voltage Motors

TEFC - 575 Volt - C Face With Base

Three Phase - TEFC - C Face With Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 575V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	3600	213TC	**LM17186**	C/A	1,716	AF2B7.5TC65	138	575	7.2	91.0	1.25	17.20	A, US
7 1/2	1800	213TC	**LM17187**	C/A	1,655	AF4B7.5TC65	138	575	8.0	91.0	1.25	19.70	A, US
10	3600	215TC	**LM17189**	C/A	2,143	AF2B10TC65	149	575	9.4	91.0	1.25	19.61	A, US
10	1800	215TC	**LM17190**	C/A	2,064	AF4B10TC65	149	575	10.8	91.0	1.25	18.70	A, US
15	3600	254TC	**LM17192**	C/A	2,826	AF2B15TC65	221	575	13.8	91.7	1.25	23.19	A, US
15	1800	254TC	**LM16602**	D	2,284	AF4P15TC65	260	575	15.6	91.0	1.25	23.40	A, US
15	1800	254TC	**LM17193**	C/A	2,546	AF4B15TC65	221	575	15.6	92.4	1.25	23.40	A, US
20	3600	256TC	**LM17195**	C/A	3,338	AF2B20TC65	248	575	18.8	91.7	1.25	24.24	A, US
20	1800	256TC	**LM17196**	C/A	3,161	AF4B20TC65	248	575	21.0	93.0	1.25	25.15	A, US
25	3600	284TSC	**LM17198**	C/A	4,676	AF2B25TSC65	370	575	22.8	93.0	1.25	25.12	A, US
25	1800	284TC	**LM17199**	C/A	4,237	AF4B25TC65	370	575	26.4	94.1	1.25	26.62	A, US
30	3600	286TSC	**LM20087**	C/A	5,222	AF2B30TSC65Y	415	575	26.4	93.0	1.25	26.62	A, US
30	1800	286TC	**LM20088**	C/A	5,507	AF4B30TC65Y	415	575	30.0	94.5	1.25	28.12	A, US
40	3600	324TSC	**LM14561**	C/A	6,697	SF2B40TSC65Y	514	575	36.0	94.1	1.25	28.03	S, US
40	1800	324TC	**LM14562**	C/A	6,452	SF4B40TC65Y	514	575	42.4	94.1	1.25	28.50	S, US
50	3600	326TSC	**LM14564**	C/A	8,399	SF2B50TSC65Y	568	575	45.0	94.1	1.25	28.50	S, US
50	1800	326TC	**LM14565**	C/A	7,669	SF4B50TC65Y	568	575	51.6	95.0	1.25	30.00	S, US
60	3600	364TSC	**LM20037**	C/A	10,549	SF2B60TSC65Y	777	575	53.0	95.0	1.25	29.77	S, US
60	1800	364TC	**LM20038**	C/A	10,990	SF4B60TC65Y	778	575	58.0	95.0	1.25	31.90	S, US
75	3600	365TSC	**LM20040**	C/A	13,423	SF2B75TSC65Y	834	575	66.5	95.0	1.25	30.77	S, US
75	1800	365TC	**LM20041**	C/A	13,310	SF4B75TC65Y	834	575	73.0	95.0	1.15	32.90	S, US
100	3600	405TSC	**LM20043**	C/A	18,730	SF2B100TSC65Y	1018	575	84.0	95.8	1.15	33.87	S, US
100	1800	405TC	**LM20044**	C/A	16,741	SF4B100TC65Y	1001	575	97.5	95.4	1.15	36.87	S, US

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LEESON

Special Voltage Motors

575 Volt Motors - Drip-Proof - Rigid Base

Three Phase - Drip-Proof - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 575V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	**LM25054**	D	370	SRD4S0.33T65	15	575	0.6	65.5	1.15	9.97	S, MX
1/3	1800	56	**LM34061**	√	477	SRD4B0.33T65	23	575	0.48	73.4	1.15	11.22	S, MX
1/2	1800	56	**LM34062**	C/A	553	SRD4B0.5T65	26	575	0.7	78.2	1.25	11.32	S, MX
3/4	1800	56	**LM34063**	C/A	610	SRD4B0.75T65	29	575	2.9	81.1	1.15	11.70	S, MX
1	3600	56	**LM34064**	C/A	685	SRD2B1T65	27	575	1.2	77.0	1.25	11.43	S, US
1	1800	56	**LM34065**	√	745	SRD4B1T65	33	575	1.2	83.5	1.15	12.07	S, US
1 1/2	3600	56	**LM34066**	C/A	734	SRD2B1.5T65	35	575	1.7	84.0	1.15	12.70	S, US
1 1/2	1800	56H	**LM25061**	D	523	SRD4S1.5T65	28	575	1.9	80.0	1.15	10.94	S, MX
1 1/2	1800	56H	**LM34067**	√	772	SRD4B1.5T65	37	575	1.9	86.5	1.15	14.16	S, MX
2	3600	56H	**LM34068**	√	857	SRD2B2T65	13	575	2.2	85.5	1.15	13.33	S, US
2	1800	56H	**LM25063**	D	644	SRD4S2T65	36	575	2.5	81.5	1.15	11.94	S, US
2	1800	56H	**LM34069**	√	873	SRD4B2T65	42	575	2.4	86.5	1.15	13.44	S, US
3	3600	145T	**LM25068**	D	663	SSD2P3T65	33	575	——	84.0	1.25	——	S, US
2	1800	182T	**LM24227**	D	638	SSD4P3T65	83	575	3.0	86.5	1.25	13.72	S, MX
5	3600	182T	**LM25069**	D	743	SSD2P5T65	88	575	——	86.5	1.25	——	S, MX
5	1800	184T	**LM25070**	D	711	SSD4P5T65	87	575	5.3	87.5	1.25	14.22	S, MX
7 1/2	3600	184T	**LM25071**	D	1,023	SSD2P7.5T65	88	575	7.1	87.5	1.15	14.72	S, MX
7 1/2	1800	213T	**LM33247**	D	1,004	SSD4P7.5T65	121	575	——	88.5	1.25	——	S, MX
10	1800	215T	**LM24231**	C/A	1,232	SSD4B10T65	138	575	10.0	91.7	1.25	17.29	S, MX
15	1800	254T	**LM34118**	C/A	2,258	SSD4B15T65	215	575	15.3	93.0	1.25		S, US
20	1800	256T	**LM24232**	D	2,238	SSD4P20T65	233	575	20.8	91.0	1.25	22.32	S, US
20	1800	256T	**LM34123**	C/A	3,567	SSD4B20T65	233	575	20.8	93.0	1.25	——	S, US
25	1800	284T	**LM34126**	C/A	3,369	CCD4B25T65Y	350	575	24.4	93.6	1.25	——	C, US
30	1800	286T	**LM34119**	C/A	3,905	CCD4B30T65Y	400	575	28.8	94.1	1.25	——	C, US
40	1800	324T	**LM34120**	C/A	8,334	SD4B40T65Y	469	575	42.5	94.1	1.25	——	S, US
50	1800	326T	**LM34341**	C/A	8,437	SD4B50T65Y	522	575	52.0	94.5	1.25	——	S, US
60	1800	364T	**LM34342**	C/A	11,418	SD4B60T65Y	712	575	58.0	95.0	1.25	——	S, US
75	1800	365T	**LM34121**	C/A	11,622	SD4B75T65Y	763	575	75.0	95.0	1.25	——	S, US
100	1800	404T	**LM34127**	C/A	12,799	SD4B100T65Y	882	575	96.0	95.4	1.25	——	S, US
125	1800	405T	**LM18306**	C/A	10,052	SD4B125T65Y	958	575	122.0	95.4	1.25	33.31	S, US

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C/A - Check Availability

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♥ Note listing on inside back flap

Specifications are subject to change without notice

Special Voltage Motors

200/400 Volt - Drip-Proof - Rigid Base

Three Phase - Drip-Proof - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 200V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
2	1800	145T	**LM34232**	C/A	829	SSD4B2T62	48	200/400	6.9	86.5	1.15	14.37	S, MX
3	1800	182T	**LM34233**	C/A	858	SSD4B3T62	75	200/400	9.2	89.5	1.15	13.19	S, MX
5	1800	184T	**132463.00**	√	939	C184T17DB87	62	200-208/400-416	13.9	89.5	1.15	14.19	S, MX
7 1/2	1800	213T	**141286.00**	√	1,178	C213T17DB27	133	200-208/400-416	22.1	91.0	1.15	16.30	S, MX
10	1800	215T	**141287.00**	√	1,392	C215T17DB63	138	200-208/400-416	30.0	91.7	1.15	17.30	S, MX
15	1800	254T	**LM34128**	C/A	2,258	SSD4B15T62	164	200/400	——	93.0	1.15	——	S, US
20	1800	254T	**LM34129**	C/A	2,604	SSD4B20T62	200	200/400	——	93.0	1.15	——	S, US
25	1800	254T	**LM34130**	C/A	4,056	CCD4B25T62Y	278	200/400	73.5	93.6	1.15	24.94	S, US
30	1800	254T	**LM30696**	C/A	4,245	CCD4B30T62Y	325	200/400	84.0	94.1	1.15	26.81	S, US
40	1800	254T	**LM32680**	D	8,876	SD4P40T62	378	200/400	147.0	93.0	1.15	25.82	S, US
40	1800	254T	**LM34149**	√	9,038	SD4B40T62	378	200/400	——	94.1	1.15	——	S, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
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Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

200/400 Volt - TEFC - Rigid Base

Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 200V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	56	**119552.00**	√	784	C6T17FB195	32	200-208	3.2	85.5	1.15	12.73	S, US
1	1800	143T	**122231.00**	C/A	784	C143T17FB35	33	200-208	3.2	85.5	1.15	12.93	S, US
1 1/2	1800	145T	**G120032.00**	D	604	C145T17FB88	35	200-208	5.6	80.0	1.15	12.75	S, US
1 1/2	1800	145T	**122232.00**	√	814	C145T17FB106	37	200-208	——	86.5	1.15	——	S, US
2	1800	145T	**122233.00**	C/A	847	C145T17FB105	45	200-208	6.6	86.5	1.15	13.93	S, US
3	3600	182T	**LM33621**	C/A	992	AF2B3T62AP26	73	200/400	——	86.5	1.15	——	A, MX
3	1800	182T	**G131465.00**	D	746	C182T17FB51	82	200-208/400-416	10.0	84.0	1.15	12.96	S, MX
3	1800	182T	**132465.00**	√	957	C182T17FB60	85	200-208/400-416	10.0	89.5	1.15	——	S, MX
5	1800	184T	**G131466.00**	D	860	C184T17FB63	63	200-208/400-416	15.4	86.0	1.15	13.96	S, MX
5	1800	184T	**132466.00**	√	1,053	C184T17FB76	87	200-208/400-416	15.4	89.5	1.15	——	S, MX
5	1800	184T	**LM33624**	C/A	1,186	AAF4B5T62AP26	80	200/400	15.0	89.5	1.25	15.19	A, MX
7 1/2	1800	213T	**141289.00**	√	1,353	C213T17FB25	153	200-208/400-416	22.6	91.7	1.15	18.70	S, MX
10	1800	215T	**141290.00**	√	1,636	C215T17FB34	172	200-208/400-416	30.5	91.7	1.15	20.23	S, MX
15	1800	254T	**LM32691**	C/A	2,561	AF4B15T62	152	200/400	43.5	92.4	1.15	23.52	A, US
20	1800	256T	**LM34134**	C/A	2,991	AF4B20T62	202	200/400	58.5	93.0	1.15	25.15	A, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

▼ LM Numbers are Lincoln Models
Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

LEESON®

General Specifications:

50 Hz single phase designs produce full rated HP on 50 Hz power supply. Designed for general purpose applications.

Features:

- High efficiency energy saving designs
- Centrifugal switch designed for 50 Hz service
- High torque

Single Phase - Drip-Proof - Rigid Base - IP22

HP	RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 220V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1500	56	**110394.00**	√	494	C6C14DB5	22	110/220	3.2	1.35	9.88	S, US
1/2	3000	56	**113901.00**	√	441	C6C28DB24	25	110/220	3.8	1.25	10.34	S, US
1/2	1500	56	**110395.00**	√	626	C6C14DB6	25	110/220	4.1	1.25	10.38	S, US
3/4	3000	56	**113902.00**	C/A	554	C6C28DB25	27	110/220	5.6	1.25	10.34	S, US
3/4	1500	56	**110396.00**	√	751	C6C14DB7	30	110/220	5.9	1.25	10.88	S, US
1	3000	56	**113903.00**	√	615	C6C28DB26	31	110/220	6.6	1.25	10.84	S, US
1	1500	56H	**110397.00**	√	827	C6C14DB8	35	110/220	6.4	1.15	11.88	S, US, 6
1 1/2	3000	56H	**113904.00**	√	789	C6C28DB27	37	110/220	8.6	1.15	11.84	S, US
1 1/2	1500	56H	**110398.00**	√	933	C6K14DB1	43	110/220	8.4	1.15	12.35	S, US, 6, 53
2	3000	56H	**113905.00**	√	967	C6C28DB28	42	110/220	10.7	1.15	12.34	S, US
2	1500	182T	**131553.00**	C/A	1,122	C182C14DB3	70	220	11.8	1.15	13.69	S, US
3	3000	56H	**113937.00**	√	1,144	C6K28DB5	47	220	12.4	1.15	12.84	S, US
3	1500	184T	**131554.00**	√	1,282	C184C14DB2	80	220	16.8	1.15	14.69	S, MX
5	1500	184T	**131555.00**	√	2,622	C184K14DB9	95	220	23.2	1.15	15.69	S, MX, 53

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Special Voltage Motors

50 Hertz Motors - Single Phase - Rigid Base

Single Phase - TEFC - Rigid Base - IP54

HP	RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 220V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3000	56	**113916.00**	√	456	C6C28FB25	25	110/220	3.2	1.00	10.81	S, US
1/3	1500	56	**110423.00**	√	576	C6C14FB6	24	110/220	3.2	1.00	10.81	S, US
1/3	1500	56	**113908.00**	√	582	M6C14FB22	26	110/220	3.2	1.00	10.81	S, US
1/2	3000	56	**113917.00**	√	487	C6C28FB26	27	110/220	3.8	1.00	11.31	S, US
1/2	1500	56	**110064.00**	√	661	C6C14FB1	25	110/220	4.1	1.00	11.31	S, US
1/2	1500	56	**113909.00**	√	661	M6C14FB23	29	110/220	4.1	1.15	11.31	S, US
3/4	3000	56	**113918.00**	√	554	C6C28FB27	29	110/220	5.6	1.00	11.31	S, US
3/4	1500	56	**110065.00**	√	756	C6C14FB2	32	110/220	5.9	1.00	11.81	S, US
3/4	1500	56	**113910.00**	√	784	M6C14FB24	32	110/220	5.9	1.00	11.81	S, US
1	3000	56	**113919.00**	√	641	C6C28FB28	32	110/220	6.6	1.00	11.81	S, US
1	1500	56H	**110066.00**	√	910	C6C14FB3	38	110/220	6.4	1.00	12.81	S, US, 6, 53
1	1500	56	**113911.00**	√	910	M6C14FB25	34	110/220	6.4	1.00	12.31	S, US
1 1/2	3000	56H	**113920.00**	√	845	C6C28FB29	44	110/220	8.0	1.00	13.31	S, US
1 1/2	1500	56H	**110424.00**	√	1,031	C6K14FB1	47	110/220	8.6	1.00	13.31	S, US, 6, 53
1 1/2	1500	56H	**113929.00**	√	939	P6K14FB9	49	110/220	8.6	1.00	13.31	S, US, 6, 53
2	3000	56HZ	**113928.00**	√	1022	C6C28FB24	44	110/220	10.7	1.00	13.76	S, US, 3
2	1500	182T	**131556.00**	√	1,545	C182C14FB6	95	220	11.2	1.00	15.96	S, MX
2	1500	182T	**131600.00**	C/A	1,525	P182C14FB5	71	220	12.0	1.00	14.96	S, MX
3	3000	145T	**121070.00**	√	1,257	C145K28FB6	50	220	12.4	1.00	12.84	S, US, 53
3	3000	56H	**113936.00**	√	1,257	C6K28FB2	48	220	12.4	1.00	13.81	S, US, 53
3	1500	184T	**131557.00**	√	2,206	C184C14FB6	98	220	15.9	1.00	16.96	S, MX
3	1500	184T	**131601.00**	√	2,173	P184C14FB7	98	220	15.9	1.00	16.96	S, MX
5	3000	184T	**131638.00**	√	1,455	C184K28FB2	98	220	20.5	1.00	17.46	S, MX, 53
5	1500	184T	**131578.00**	√	2,800	C184K14FB5	103	220	21.0	1.00	17.46	S, MX, 53
5	1500	213TZ	**140475.00**	C/A	2,813	P213K14FB1	163	220	24.5	1.00	18.71	S, MX, 53

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

50 Hertz Motors - Single Phase

Single Phase - Drip-Proof - Resilient Base - IP22

HP	RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 220V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3000	56	**114222.00**	√	387	C6C28DR1	24	110/220	3.2	1.35	10.82	S, US
1/3	1500	56	**114223.00**	C/A	505	C6C14DR18	24	110/220	3.2	1.35	10.81	S, US
1/2	3000	56	**114224.00**	C/A	452	C6C28DR2	26	110/220	3.8	1.25	11.32	S, US
1/2	1500	56	**114225.00**	√	630	C6C14DR19	27	110/220	4.1	1.25	11.31	S, US
3/4	3000	56	**114226.00**	√	548	C6C28DR3	28	110/220	5.6	1.25	11.32	S, US
3/4	1500	56	**114227.00**	√	752	C6C14DR16	31	110/220	5.9	1.25	11.81	S, US
1	3000	56	**114228.00**	C/A	624	C6C28DR4	31	110/220	6.6	1.25	11.82	S, US
1	1500	56	**114229.00**	C/A	829	C6C14DR17	35	110/220	6.4	1.15	12.31	S, US
1 1/2	1500	56H	**114231.00**	√	931	C6K14DR12	42	110/220	8.4	1.15	13.32	S, US, 53
2	1500	56H	**114233.00**	√	1,135	C6K14DR13	49	220	9.6	1.15	13.82	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - C Face Less Base - IP54

HP	RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F.L. Amps @ 220V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1500	56C	**113921.00**	√	593	M6C14FC5	22	110/220	Man.	3.2	1.00	10.81	S, US
1/2	3000	56C	**113912.00**	√	509	C6C28FC3	25	110/220	None	3.8	1.00	11.31	S, US
1/2	1500	56C	**113922.00**	√	679	M6C14FC6	29	110/220	Man.	4.1	1.15	11.31	S, US
3/4	3000	56C	**113913.00**	√	566	C6C28FC4	28	110/220	None	5.6	1.00	11.31	S, US
3/4	1500	56C	**113923.00**	√	777	M6C14FC7	31	110/220	Man.	5.9	1.00	11.81	S, US
1	3000	56C	**113914.00**	√	699	C6C28FC5	32	110/220	None	6.6	1.00	11.81	S, US
1	1500	56C	**113924.00**	√	818	M6C14FC8	34	110/220	Man.	6.4	1.00	12.31	S, US
1 1/2	3000	56C	**113915.00**	√	909	C6C28FC6	43	110/220	None	8.0	1.00	13.31	S, US
1 1/2	1500	56C	**113925.00**	√	991	P6K14FC4	42	110/220	Man.	8.6	1.00	13.31	S, US, 53
2	3000	145TC	**120990.00**	√	1,049	C145K28FC2	47	110/220	None	8.6	1.15	13.75	S, US, 53
2	1500	182TC	**131599.00**	C/A	1,562	P182C14FC2	70	220	Man.	12.0	1.00	14.97	S, MX

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

50 Hertz Motors - Three Phase

General Specifications:

Totally enclosed fan cooled, 12-lead motors designed specifically for 50 Hz service. These motors are intended for equipment built in North America and destined for use in 50 Hz service areas of the world.

Features:

- Suitable for 220/380 volt, 50 Hz, or 440 volt, 50 Hz, three phase power
- Torques exceed NEMA® performance for Design B motors
- Construction meets IP 54 protection standards
- Class F insulation

Three Phase - TEFC - Rigid Base

KW/HP	RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 380V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
0.18/1/4	1500	48	**102685.00**	√	480	C4T14FB4	19	220/380/440	1.0	56.0	1.15	9.06	S, MX
0.25/1/3	3000	48	**102686.00**	√	478	C4T28FB2	19	220/380/440	0.8	60.0	1.15	9.93	S, US
0.25/1/3	1500	48	**102688.00**	√	576	C4T14FB5	19	220/380/440	1.1	65.0	1.15	9.31	S, MX
0.25/1/3	1500	S56	**102183.00**	√	539	C4T14FH1	19	220/380/440	1.1	65.0	1.15	9.69	S, MX
0.37/1/2	3000	48	**102690.00**	C/A	554	C4T28FB1	20	220/380/440	1.0	69.0	1.15	10.43	S, US
0.37/1/2	1500	48	**102692.00**	√	651	C4T14FB3	20	220/380/440	1.4	72.0	1.15	9.81	S, MX
0.37/1/2	1500	S56	**102693.00**	√	602	C4T14FH2	20	220/380/440	1.4	72.0	1.15	10.19	S, MX
0.37/1/2	1500	56	**114304.00**	√	648	C6T14NB1	25	220/380/440	1.0	78.0	1.15	10.38	S, US, 12
0.55/3/4	3000	56	**114306.00**	C/A	587	C6T28FB4	24	220/380/440	1.8	72.0	1.15	10.81	S, US
0.55/3/4	1500	56	**114307.00**	√	690	C6T14FB7	27	220/380/440	1.9	74.0	1.15	11.31	S, US
0.75/1	3000	56	**114308.00**	√	702	C6T28FB5	26	220/380/440	2.4	71.0	1.15	11.31	S, US
0.75/1	1500	56	**114888.00**	√	698	C6T14FB8	28	220/380/440	2.0	77.0	1.15	11.31	S, US
0.75/1	1500	143T	**121096.00**	√	698	C143T14FB2	35	220/380/440	2.0	77.0	1.15	12.75	S, US
1.1/1 1/2	3000	145T	**121097.00**	C/A	722	C145T28FB4	34	220/380/440	2.9	80.0	1.15	12.76	S, US
1.1/1 1/2	1500	145T	**121093.00**	√	722	C145T14FB13	40	220/380/440	3.3	75.5	1.15	12.75	S, US
1.5/2	3000	145T	**121094.00**	C/A	782	C145T28FB5	42	220/380/440	3.6	80.0	1.15	12.76	S, US
1.5/2	1500	145T	**121095.00**	√	818	C145T14FB14	40	220/380/440	3.7	81.5	1.15	13.25	S, US
2.2/3	3000	182T	**131480.00**	√	1,009	C182T28FB3	58	220/380/440	4.8	82.5	1.15	13.46	S, MX
2.2/3	1500	182T	**131459.00**	√	966	C182T14FB5	64	220/380/440	4.7	84.0	1.15	13.46	S, MX
3.7/5	3000	184T	**131481.00**	√	1,188	C184T28FB14	76	220/380/440	7.4	84.0	1.15	14.46	S, MX
3.7/5	1500	184T	**131454.00**	√	1,101	C184T14FB7	82	220/380/440	8.1	85.0	1.00	15.46	S, MX

C/A - Check Availability
Note 12 - TENV

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Special Voltage Motors

50 Hertz Motors - Three Phase

Three Phase - TEFC - C Face Less Base - IP54 Enclosure Protection

KW/HP	RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F.L. Amps @ 380V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
0.18/1/4	1500	S56C	**102184.00**	√	509	C4T14FC2	18	220/380/440	1.0	56.0	1.15	9.44	S, MX
0.25/1/3	3000	S56C	**102687.00**	√	503	C4T28FC2	19	220/380/440	0.8	60.0	1.15	10.31	S, US
0.25/1/3	1500	S56C	**102689.00**	√	551	C4T14FC4	19	220/380/440	1.1	65.0	1.15	9.69	S, MX
0.25/1/3	1500	56C	**114889.00**	√	590	C6T14FC5	18	220/380/440	1.1	68.0	1.15	10.31	S, US
0.37/1/2	3000	S56C	**102691.00**	√	583	C4T28FC1	20	220/380/440	1.0	69.0	1.15	10.81	S, US
0.37/1/2	1500	S56C	**102694.00**	√	648	C4T14FC3	20	220/380/440	1.4	72.0	1.15	10.19	S, MX
0.37/1/2	1500	56C	**114891.00**	√	654	C6T14FC4	20	220/380/440	1.2	73.0	1.15	10.81	S, US
0.37/1/2	1200	56C	**114892.00**	√	722	C6T9FC1	28	220/380/440	1.5	68.0	1.15	11.31	S, US
0.55/3/4	3000	56C	**114893.00**	√	587	C6T28FC1	24	220/380/440	1.8	72.0	1.15	10.81	S, US
0.55/3/4	1500	56C	**114894.00**	√	699	C6T14FC6	27	220/380/440	1.9	74.0	1.15	11.31	S, US
0.75/1	3000	56C	**114895.00**	√	706	C6T28FC3	26	220/380/440	2.4	71.0	1.15	11.31	S, US
0.75/1	1500	56C	**114896.00**	√	728	C6T14FC7	28	220/380/440	2.0	77.0	1.15	11.31	S, US
0.75/1	1500	143TC	**121272.00**	√	728	C143T14FC2	31	220/380/440	2.0	77.0	1.15	11.75	S, US
0.75/1	1200	145TC	**121273.00**	√	837	C145T9FC3	39	220/380/440	2.7	73.0	1.15	13.25	S, US
1.1/1 1/2	3000	143TC	**121274.00**	C/A	751	C143T28FC1	33	220/380/440	2.9	80.0	1.15	12.25	S, US
1.1/1 1/2	1500	145TC	**121275.00**	√	760	C145T14FC6	37	220/380/440	3.3	75.5	1.15	12.75	S, US
1.5/2	3000	145TC	**121276.00**	√	752	C145T28FC1	41	220/380/440	3.6	80.0	1.15	12.75	S, US
1.5/2	1500	145TC	**121277.00**	√	819	C145T14FC5	40	220/380/440	3.7	81.5	1.15	13.75	S, US
2.2/3	3000	182TC	**131505.00**	√	1,027	C182T28FC2	59	220/380/440	4.8	82.5	1.15	13.97	S, MX
2.2/3	1500	182TC	**131506.00**	√	953	C182T14FC3	63	220/380/440	4.7	84.0	1.15	13.97	S, MX
3.7/5	3000	184TC	**131507.00**	√	1,215	C184T28FC3	75	220/380/440	7.4	84.0	1.15	14.47	S, MX
3.7/5	1500	184TC	**131508.00**	√	1,088	C184T14FC3	82	220/380/440	8.1	85.0	1.00	15.47	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

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LEESON®

Applications:

Ideally suited for applications requiring heavy duty, large horsepower electric motors. Typical uses include pulp and paper mills, mineral processing, waste management facilities, lumber and wood processing mills, automobile manufacturing plants and other severe duty environments where medium voltage power is available.

Features Frames 447T - 449T:

- Full cast iron construction
- Double shielded radial ball bearings
- Designed for direct coupled loads (contact your local sales office about belted loads)
- Grease fittings with extended grease tubes
- Internal and external epoxy finish
- Premium Class H insulation system
- Front and rear cast iron bearing caps

Features Frames 5011 - 5013

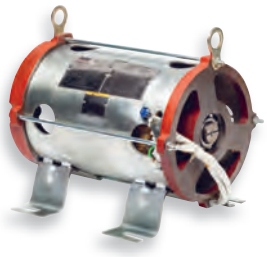
- Full cast iron construction
- Double shielded radial ball bearings
- Designed for direct coupled loads (contact your local Sales office about belted loads)
- Grease fittings with extended grease tubes
- Corrosion resistant breather/drains
- Oversized cast iron terminal box
- Internal and external epoxy finish
- Premium Class H insulation system
- Inpro/Seal™* bearing isolators on each end
- Front and rear cast iron bearing caps
- Provision for jacking bolts in all four feet
- Provision for dowel pins in drive end feet
- Grounding points located in terminal box and feet
- 100 ohm platinum winding RTDs as standard on sizes 400 HP and larger

Design ranges include 150 through 350 HP in 4, 6 and 8-pole designs
400 - 500 HP in 4 and 6-pole designs
600 and 700 HP ratings in 4-pole designs

Contact your local sales office for a quote

*Inpro/Seal is believed to be the trademark or trade name of INPRO/SEAL LLC and is not controlled by Regal Beloit Corporation.

Definite Purpose Motors



Product Families Include:

- Compressor Duty Motors – page 249
- Pressure Washer Duty Motors – page 251
- Woodworking Motors – page 253
- Instant Reversing Motors – page 255
- Boat Hoist Motors – page 256
- Two-Speed Motors – page 257
- Crusher Duty Motors – page 258
- Elevator Duty Motors – page 259
- Unit Handling Motors – page 268
- Export Only General Purpose Motors – page 269

General Specifications:

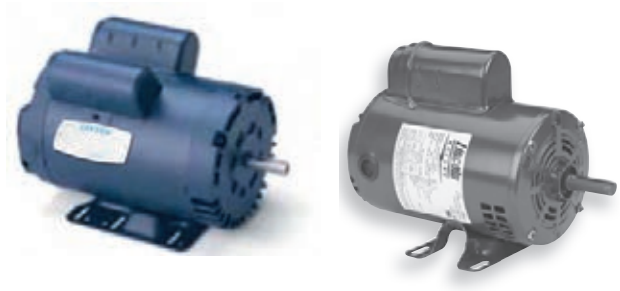
Motors designed for air compressor, pump, and fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

- Double shielded ball bearings
- Designed for belted loads

Electrical Features:

- High efficient copper windings
- High starting and breakdown torque
- Dual rotation



Single Phase - Drip-Proof - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56	**110160.00**	√	470	M6C34DB6	27	115/230	Man.	6.7	SPEC	11.38	S, US
1	1800	143T	**120044.00**	√	640	C143C17DB3	38	115/208-230	None	6.4	1.15	11.28	S, US
1	1800	143T	**120003.00**	√	673	M143C17DB2	33	115/208-230	Man.	6.4	1.15	11.13	S, US
1 1/2	3600	56	**110161.00**	√	516	P6C34DB7	33	115/230	Man.	10.0	SPEC	11.88	S, US
1 1/2	1800	145T	**120042.00**	√	707	C145K17DB5	38	115/208-230	None	8.6	1.15	12.28	S, US, 53
1 1/2	1800	145T	**LM24687**	√	742	SSD4S1.5T1C602	41	115/208-230	None	8.6	1.15	12.49	S, US
1 1/2	1800	145T	**120004.00**	√	898	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
2	3600	56	**110232.00**	√	538	M6C34DB11	33	115/230	Man.	11.0	SPEC	11.88	S, US
2	1800	182T	**131515.00**	√	874	C182C17DB8	56	115/208-230	None	12.4	1.15	13.19	S, MX
2	1800	182T	**131536.00**	√	935	P182C17DB10	63	115/208-230	Man.	8.8	1.15	10.66	S, MX
3	3600	56Y	**110222.00**	√	603	M6C34DB13	38	230	Man.	15.0	1.15	12.38	S, US, 36
3	1800	184T	**131534.00**	√	946	C184C17DB19	69	115/230	None	16.9	1.15	14.19	S, MX
5SPL	3600	56	**116523.00**	√	728	P6K34DB22	35	208-230	Man.	15.0	1.00	11.44	S, US, 53
5	3600	56Y	**111275.00**	√	750	P6K34DB5	44	230	Man.	20.8	1.00	13.34	S, US, 36, 53
5	3600	56Y	**116789.00**	√	773	P6K34DB27	45	230	Man.	20.8	1.00	12.38	S, US, 10, 53
5	3600	145T	**120554.00**	√	758	P145K34DB1	46	230	Man.	20.8	1.00	13.12	S, US, 53
5	1800	184T	**131537.00**	√	1,135	C184K17DB31	83	230	None	21.0	1.15	14.69	S, MX, 53
5	1800	184T	**LM24682**	√	1,160	SSD4S5T1B600	87	208-230	None	21.0	1.15	14.69	S, MX, 53
5	1800	184T	**131622.00**	√	1,357	P184K17DB33	82	230	Man.	21.0	1.15	14.69	S, MX, 53
7 1/2	3600	184T	**132044.00**	√	1,093	C184K34DB8	110	208-230	Tstat	31.0	1.15	16.69	S, MX, 53
7 1/2	3600	213T	**140680.00**	√	1,846	C213K34DB1	112	208-230	None	29.5	1.15	16.55	S, MX, 53
7 1/2	1800	215T	**140155.00**	√	1,611	C215K17DB2	113	230	None	36.0	1.15	17.26	S, MX, 53
7 1/2	1800	215T	**LM24683**	√	1,700	SS215D4S7.5T1B600	118	208-230	None	36.0	1.15	17.26	S, MX, 53
10	3600	215T	**140681.00**	√	2,334	C215K34DB1	135	208-230	None	37.0	1.15	18.05	S, MX, 53
10	1800	215TZ	**140311.00**	√	2,355	C215K17DB4	140	230	None	43.0	1.25	19.76	S, MX, 53
10	1800	215TZ	**LM24684**	√	2,413	SSD4S10T1B600	140	208-230	None	43.0	1.15	19.76	S, MX, 53

▼ LM Numbers are Lincoln Models
5 SPL - Breakdown torque of 5 HP, continuous duty as 3 HP motor

♥ Note listing on inside back flap
Specifications are subject to change without notice

Definite Purpose Motors

Compressor Duty Motors

Compressor, Pump and Fan & Blower Duty

Three Phase - Drip-Proof - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143T	**121003.00**	√	689	C143T17DB10	36	208-230/460	3.2	85.5	1.25	12.10	S, US
1	1800	143T	**LM24871**	√	569	SSD4B1T6	35	208-230/460	3.2	85.5	1.25	12.00	S, MX
1 1/2	1800	145T	**121004.00**	√	719	C145T17DB32	35	208-230/460	4.8	86.5	1.25	12.60	S, US
1 1/2	1800	145T	**LM24875**	√	595	SSD4B1.5T6	45	208-230/460	4.4	86.5	1.25	13.00	S, MX
2	1800	145T	**121005.00**	√	815	C145T17DB33	37	208-230/460	5.8	86.5	1.25	13.60	S, US
2	1800	145T	**LM24169**	√	659	SSD4B2T6	48	208-230/460	6.0	86.5	1.25	11.50	S, MX
3	1800	182T	**131519.00**	√	833	C182T17DB37	75	208-230/460	7.8	89.5	1.25	13.70	S, MX
3	1800	182T	**LM24222**	√	858	SSD4B3T61	75	208-230/460	8.0	89.5	1.25	13.20	S, MX
5	1800	184T	**131520.00**	√	939	C184T17DB44	86	208-230/460	12.8	89.5	1.25	14.70	S, MX
5	1800	184T	**LM24202**	√	962	SSD4B5T61	91	208-230/460	12.6	89.5	1.25	14.20	S, MX
7 1/2	1800	213T	**140470.00**	√	1,178	C213T17DB2	133	208-230/460	20.6	91.0	1.25	16.30	S, MX
7 1/2	1800	213T	**LM24194**	√	1,355	SSD4B7.5T6	125	208-230/460	19.2	91.0	1.25	18.50	S, US
10	1800	215T	**140472.00**	√	1,392	C215T17DB15	144	208-230/460	26.8	91.7	1.25	17.30	S, MX
10	1800	215T	**LM24193**	√	1,514	SSD4B10T6	155	208-230/460	25.0	91.7	1.25	18.50	S, MX
20	1800	256T	**170006.60**	√	2,398	C256T17DB5	324	208-230/460	51.0	93.0	1.25	22.60	C, CN
20	1800	256T	**LM24199**	√	2,604	CCD4B20T6	350	208-230/460	48.0	93.0	1.25	24.40	C, US

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Specifications are subject to change without notice

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182T	**131463.00**	√	957	C182T17FB32	80	208-230/460	7.8	89.5	1.15	14.96	S, MX
3	1800	182T	**LM32741**	√	957	SSF4B3T61	77	208-230/460	7.8	89.5	1.15	13.96	S, MX
5	1800	182T	**131464.00**	√	1,053	C184T17FB42	94	208-230/460	12.8	89.5	1.15	15.96	S, MX
5	1800	182T	**LM33266**	√	1,053	SSF4B5T61	85	208-230/460	12.6	89.5	1.15	14.96	S, MX
7 1/2	1800	213T	**140450.00**	√	1,353	C213T17FB6	144	208-230/460	21.4	91.7	1.25	18.70	S, MX
7 1/2	1800	213T	**LM32805**	√	1,249	SSF4B7.5T6	115	208-230/460	19.4	91.7	1.25	20.23	S, US
10	1800	215T	**140451.00**	√	1,636	C215T17FB18	161	208-230/460	26.6	91.7	1.25	19.70	S, MX
10	1800	215T	**LM32809**	√	1,542	SSF4B10T6	135	208-230/460	26.0	91.7	1.25	21.48	S, US
15	1800	254T	**170066.60**	√	2,413	C254T17FB10	280	208-230/460	36.0	92.4	1.25	23.19	C, CN
15	1800	254T	**LM24208**	√	2,695	CCF4B15T6	322	208-230/460	37.5	92.4	1.25	25.27	C, US
20	1800	256T	**170007.60**	√	3,018	C256T17FB4	322	208-230/460	49.0	93.0	1.15	24.92	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap

Specifications are subject to change without notice

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

Definite Purpose Motors

Pressure Washer Motors

Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages.

Mechanical Features:

- Double shielded ball bearings
- Dynamically balanced rotors

Electrical Features:

- Windings dipped in heavy duty varnish system
- Capacitor start / capacitor run designs to reduce amp draw
- Manual reset overload protection
- High service factor

Single Phase - Drip-Proof - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	S56	**100053.00**	√	460	M4C34DH3	24	115/208-230	Man.	4.9	1.25	10.49	S, MX
3/4	1800	S56	**101544.00**	C/A	665	M4K17DH2	28	115/208-230	Man.	4.0	1.25	11.24	S, US, 53
1	3600	56	**110097.00**	√	475	M6C34DB3	27	115/208-230	Man.	6.0	1.25	10.84	S, US
1	1800	56	**113630.00**	√	721	M6K17DB33	31	115/208-230	Man.	5.3	1.15	10.84	S, US, 53
1 1/2	3600	56	**113631.00**	√	631	M6K34DB15	36	115/208-230	Man.	6.2	1.15	11.34	S, US, 53
1 1/2	1800	56H	**113266.00**	√	841	M6K17DB30	42	115/208-230	Man.	6.7	1.15	12.38	S, US, 6, 53
1 1/2	1800	145T	**120004.00**	√	898	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
2	3600	56	**113632.00**	√	852	P6K34DB16	36	115/208-230	Man.	8.6	1.15	11.34	S, US, 53
2	1800	56H	**116704.00**	√	898	P6K17DB47	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 6, 53
2	1800	145T	**120879.00**	√	945	P145K17DB38	53	115/208-230	Man.	8.6	1.15	13.31	S, US
3	3600	56H	**116706.00**	√	906	M6C34DB75	39	230	Man.	15.0	1.00	12.38	S, US, 6, 53
3	1800	184T	**131851.00**	C/A	1,117	C184K17DB40	72	208-230	Man.	13.7	1.15	15.22	S, MX, 9
5	3600	56H	**116708.00**	√	926	P6K34DB26	45	230	Man.	20.8	1.00	13.34	S, US, 6, 53
5	1800	184T	**131622.00**	√	1,357	P184K17DB33	82	208-230	Man.	21.0	1.15	14.69	S, MX

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	**110108.00**	√	485	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
3/4	1800	56	**110022.00**	√	659	M6C17FB7	29	115/208-230	Man.	5.4	1.15	11.31	S, US
1	3600	56	**110142.00**	√	593	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1	1800	56	**110023.00**	√	745	M6C17FB8	29	115/208-230	Man.	6.4	1.15	11.81	S, US
1	1800	143T	**120008.00**	√	745	M143C17FB2	31	115/208-230	Man.	6.4	1.15	12.75	S, US
1 1/2	3600	56	**110109.00**	√	816	M6C34FB8	31	115/208-230	Man.	8.5	1.00	12.31	S, US
1 1/2	1800	56H	**113333.00**	√	844	M6K17FB32	38	115/208-230	Man.	8.6	1.00	12.81	S, US, 6, 53
1 1/2	1800	145T	**120009.00**	√	844	M145K17FB2	42	115/208-230	Man.	8.6	1.00	13.25	S, US, 53
2	3600	56H	**110402.00**	√	952	P6C34FB23	41	115/208-230	Man.	10.0	1.00	13.31	S, US, 6, 53
2	3600	145T	**120395.00**	√	962	P145C34FB5	44	115/208-230	Man.	10.0	1.00	13.75	S, US
2	1800	145T	**120867.00**	√	1,210	P145K17FB22	48	115/208-230	Man.	9.2	1.00	13.75	S, US, 53
3	3600	56H	**116705.00**	√	992	P6K34FB31	53	230	Man.	14.0	1.00	13.81	S, US, 6, 53
3	1800	184T	**131855.00**	√	1,341	P184K17FB26	88	230	Man.	13.7	1.15	16.86	S, MX, 53
5	3600	184T	**132042.00**	√	1,676	P184K34FB9	103	230	Man.	19.8	1.15	16.97	S, MX, 53
5	1800	184T	**131856.00**	√	1,559	P184K17FB25	95	230	Man.	21.0	1.00	17.86	S, MX, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Definite Purpose Motors

Pressure Washer Motors

Single Phase - Drip-Proof - C Face With Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	3600	56C	**114214.00**	√	672	M6K34DK8	35	115/208-230	Man.	6.2	1.15	11.34	S, US
1 1/2	1800	56HC	**113700.00**	√	888	M6K17DK15	38	115/208-230	Man.	7.2	1.15	11.84	S, US, 6, 53
2	3600	56C	**114215.00**	√	853	P6K34DK9	45	115/208-230	Man.	8.6	1.15	11.34	S, US
2	1800	56HC	**113281.00**	√	919	P6K17DK12	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 6, 53
3	3600	56HC	**116707.00**	√	931	M6C34DK5	41	230	Man.	15.0	1.00	12.38	S, US, 6, 53
3	1800	184TC	**131853.00**	√	1,117	C184K17DK18	87	208-230	Man.	15.4	1.15	15.96	S, MX, 53
5	3600	56HC	**116709.00**	√	953	P6K34DK18	46	230	Man.	20.8	1.00	13.54	S, US, 6, 53
5	1800	184TC	**131630.00**	√	1,374	M184K17DK13	77	208-230	Man.	21.0	1.15	14.69	S, MX, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - C Face With Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	**116485.00**	C/A	673	M6C17FK81	29	115/208-230	Man.	3.2	1.15	10.81	S, US, 57
1/2	1800	56C	**116486.00**	√	773	M6C17FK80	23	115/208-230	Man.	4.4	1.15	10.81	S, US, 53
3/4	1800	56C	**116487.00**	√	898	M6C17FK79	30	115/208-230	Man.	5.4	1.15	11.31	S, US, 53
1	3600	56C	**115877.00**	√	566	M6C34FK78	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1	1800	56C	**115879.00**	√	755	M6C17FK80	32	115/208-230	Man.	6.4	1.15	11.81	S, US
1 1/2	3600	56C	**115024.00**	√	770	M6K34FK16	35	115/208-230	Man.	6.2	1.15	12.31	S, US, 53
1 1/2	1800	56HC	**116703.00**	√	902	M6K17FK50	39	115/208-230	Man.	8.6	1.15	12.81	S, US
2	3600	56HC	**114995.00**	√	916	P6K34FK15	42	115/208-230	Man.	9.2	1.15	13.31	S, US, 53
2	1800	145TC	**121465.00**	√	1,210	P145K17FK10	44	115/208-230	Man.	9.2	1.00	13.75	S, US
3	3600	56HC	**115048.00**	√	1,002	P6K34FK17	53	208-230	Man.	14.0	1.00	13.81	S, US, 53
3	1800	184TC	**131857.00**	√	1,710	P14K17FK14	104	230	Man.	13.7	1.15	17.61	S, MX, 53
5	3600	184TC	**131632.00**	√	1,718	P184K34FK2	103	230	Man.	19.8	1.15	16.97	S, MX
5	1800	184TC	**131633.00**	√	1,790	P184K17FK11	989	230	Man.	23.0	1.00	16.97	S, MX

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

General Specifications:

- Motors designed for woodworking equipment such as table saws, planers, etc.
- Totally enclosed
- Fully gasketed to prevent dust entry

Single Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	**110108.00**	√	485	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
1	3600	56	**110142.00**	√	593	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
1 1/2	3600	56	**110109.00**	√	816	M6C34FB8	34	115/208-230	Man.	8.5	1.00	12.31	S, US
2	3600	56H	**110402.00**	√	952	P6C34FB23	41	115/208-230	Man.	10.0	1.00	13.31	S, US, 6
2	3600	145T	**120395.00**	√	962	P145C34FB5	44	115/208-230	Man.	10.0	1.00	13.75	S, US
3	3600	145T	**120341.00**	√	987	C145K34FB3	46	230	None	13.0	1.00	14.25	S, US, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TEFC - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	145TC	**120824.00**	√	1,067	P145K34FC6	56	230	Man.	13.0	1.00	14.25	S, US, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Table Saw Motor

General Specifications:

- Extra high breakdown torque
- 8 ft. cord with 115V plug
- On/off toggle switch
- Replaces delta motor 62-042

Single Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	3600	56	**113627.00**	√	979	M6C34FB63	39	115/230	Man.	7.5	1.00	12.31	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Definite Purpose Motors

Contractors' Saw Motors

General Specifications:

- Motor pivots on rod for belt tensioning
- Extra high breakdown torques for maximum cutting power
- 3/4" Dia. Shaft, 1-3/4" long with keyway
- Includes 54 inch cord
- Motors 120925.00 and 120997.00 replaces Delta UNISAW motor 83-621 (1-1/2 HP)
- Motors 120728.00 and 120998.00 replaces Delta UNISAW motors 83-651 (3 HP)

Single Phase - TEFC - Delta UNISAW Mounting

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	143Y	**120925.00**	√	876	C143C34FB5	44	115/230	10.0	1.00	12.68	S, US
2	3600	143Y	**120997.00**	√	961	C143C34FB6	44	115/230	11.0	1.00	12.68	S, US
3	3600	145Y	**120728.00**	√	1,226	C145K34FB12	52	230	13.0	1.00	13.68	S, US, 53
4	3600	145Y	**120998.00**	√	1,280	C145K34FB16	48	230	17.6	1.00	13.68	S, US, 53

♥ Note listing on inside back flap
Specifications are subject to change without notice

Contractors' Power Tool Motors

General Specifications:

- Designed for woodworking applications
- Electronic starting switch
- High starting and breakdown torques
- 48 frame model has 1-1/2" long shaft by 1/2" Dia.
- 56 frame models have a 1-7/8" long shaft by 5/8" Dia.
- Shaft extensions, each end, include keyway and flat, 90° apart

Single Phase - Drip Proof - Rigid Base - Double-Shaft

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	S56Z	**101781.00**	√	582	C4C17DH106	17	115/208-230	4.4	1.25	12.43	S, US
3/4	3600	48Z	**101782.00**	C/A	598	C4C34DB15	24	115/208-230	4.9	1.25	12.18	S, US
1	3600	56Z	**114216.00**	√	626	C6C34DB71	27	115/208-230	6.0	1.25	12.81	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Parking Gates, Door Operators & Slide Gates

General Specifications:

Specially designed motors for use on "instant-reversing" parking gates, doors, slide gates, or other moderate starting torque instant reversing applications. Capable of frequent reversing service.

Features:

- Instant "plug-reversing" with simple three-wire connection
- Manual overload protected
- Approx. 150% starting torque - not suitable for hard start applications

Single Phase - Drip-Proof - Resilient Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1625	S56	**103794.00**	√	537	M4P17DJ29	18	115	Man.	4.2	1.00	10.81	S, MX
1/2	1625	S56	**100802.00**	√	593	M4P17DJ7	24	115	Man.	6.1	1.00	11.31	S, MX
1/2	1625	S56	**103460.00**	√	439	5KCP35JNC128	22	115	Man.	5.0	1.00	9.94	S, MX
1/2	1625	S56	**103821.00**	√	603	M4P17DJ33	25	115	Man.	5.1	1.00	10.81	S, MX, 47
3/4	1625	56H	**113642.00**	√	707	M6P17DR4	33	115	Man.	8.2	1.00	11.31	S, US

Note 47 - Rated at 50 HZ at full rated HP

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - Drip-Proof - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1625	S56C	**102017.00**	√	529	M4P17DC29	18	115	Man.	4.2	1.00	9.99	S, MX
1/2	1625	S56C	**102021.00**	√	593	M4P17DC30	22	115	Man.	6.1	1.00	10.49	S, MX
1/2	1625	S56C	**100704.00**	√	593	M4P17DC7	16	115	Man.	4.1	1.00	10.24	S, MX, *

Note * - Motor has same electrical design as 102017, but is rated for intermittent duty.

♥ Note listing on inside back flap
Specifications are subject to change without notice

Features (Rigid Base):

- Capacitor start, induction run motors with solid state, instant reversing switch
- Manual overload protected

Single Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	1800	56	**114932.00**	√	759	P6C17FB113	30	115/208-230	Man.	5.4	1.15	11.31	S, MX
1	1800	56	**114933.00**	√	830	P6C17FB112	30	115/208-230	Man.	6.4	1.15	11.81	S, MX

♥ Note listing on inside back flap
Specifications are subject to change without notice

Definite Purpose Motors

Boat Hoist Duty Motors

Our Electra Gear line of Boat Hoist Duty motors provide customized features that are needed to support the Boat Hoist Industry.

Features Include:

- Stainless steel frame, base, capacitor case and conduit box cover
- 15 minute duty cycle
- Drain holes located at 6:00 position
- TENV enclosure
- Die cast aluminum endbells
- Capacitor case located at 12:00
- 115/230 Volt – 1.15 S.F.
- UL recognized component listing and CSA approved

Single Phase - TENV - C Face With Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**6439191250**	√	455	6439191250	23	115/208-230	4.1	10.5	S, CN
3/4	1800	56C	**6439191251**	√	492	6439191251	26	115/208-230	4.9	11.1	S, CN
1	1800	56C	**6439191252**	√	535	6439191252	33	115/208-230	6.8	11.7	S, CN
1 1/2	1800	56C	**6439191253**	√	624	6439191253	47	115/208-230	8.4	12.6	S, CN

♥ Note listing on inside back flap
Specifications are subject to change without notice

Single Phase - TENV - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**6439191260**	√	440	6439191260	22	115/208-230	4.1	10.5	S, CN
3/4	1800	56C	**6439191261**	√	478	6439191261	24	115/208-230	4.9	11.1	S, CN
1	1800	56C	**6439191262**	√	522	6439191262	32	115/208-230	6.8	11.7	S, CN
1 1/2	1800	56C	**6439191263**	√	609	6439191263	46	115/208-230	8.4	12.6	S, CN
2	1800	56C	**6439191264**	√	687	6439191264	48	115/208-230	9.0	13.4	S, CN

♥ Note listing on inside back flap
Specifications are subject to change without notice

Definite Purpose Motors

Two-Speed Motors

Three Phase - Variable and Constant Torque Designs

General Specifications:

Two-speed, single winding design motors.

See page 225 for typical characteristic speed torque curves.

Variable Torque - 460 Volt - One Winding - TEFC - Rigid Base - 1800/900 RPM

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	**120945.00**	C/A	1005	C143T48FB7	36	460	1.6–0.7	1.00	12.75	S, US
1.5/.37	1800/900	145T	**120941.00**	√	1,046	C145T48FB60	36	460	2.4–1.0	1.00	12.75	S, US
2/.5	1800/900	145T	**120940.00**	C/A	1,219	C145T48FB48	36	460	3.2–1.3	1.00	12.75	S, US
3/.75	1800/900	184T	**131474.00**	C/A	1,306	C184T48FB67	77	460	4.0–1.8	1.00	14.46	S, MX
5/1.2	1800/900	184T	**131475.00**	√	1,667	C184T48FB68	107	460	6.5–2.5	1.00	15.96	S, MX
7.5/1.9	1800/900	215T	**140447.00**	√	2,349	C215T48FB46	155	460	9.7–3.3	1.00	17.71	S, MX
10/2.5	1800/900	215T	**140448.00**	√	2,767	C215T48FB48	168	460	12.7–4.2	1.00	18.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Variable Torque - 208-230 Volt - One Winding - TEFC - Rigid Base - 1800/900 RPM

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	**120944.00**	C/A	1005	C143T48FB6	36	208-230	3.2–1.4	1.00	12.75	S, US
1.5/.37	1800/900	145T	**120947.00**	C/A	1,049	C145T48FB61	36	208-230	4.8–2.0	1.00	12.75	S, US
2/.5	1800/900	145T	**120946.00**	√	1,219	C145T48FB59	35	208-230	6.3–2.6	1.00	12.75	S, US
3/.75	1800/900	184T	**131468.00**	√	1,306	C184T48FB61	78	208-230	8.0–3.6	1.00	14.46	S, MX
5/1.2	1800/900	184T	**131469.00**	√	1,667	C184T48FB62	94	208-230	13.0–5.0	1.00	15.96	S, MX
7.5/1.9	1800/900	215T	**140443.00**	C/A	2,372	C215T48FB45	154	208-230	19.4–6.6	1.00	17.71	S, MX
10/2.5	1800/900	215T	**140444.00**	C/A	2,767	C215T48FB47	166	208-230	25.4–8.4	1.00	18.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Constant Torque - 460 Volt - One Winding - TEFC - Rigid Base - 1800/900 RPM

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	**120943.00**	C/A	1,433	C143T48FB9	36	460	1.4–1.6	1.00	13.25	S, US
2/1	1800/900	184T	**131471.00**	√	1,832	C184T48FB64	68	460	2.9–2.9	1.00	13.96	S, MX
3/1.5	1800/900	184T	**131470.00**	√	2,079	C184T48FB63	80	460	3.8–3.5	1.00	14.96	S, MX
5/2.5	1800/900	215T	**140445.00**	C/A	2,717	C215T48FB43	145	460	6.7–7.0	1.00	17.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Constant Torque - 208-230 Volt - One Winding - TEFC - Rigid Base - 1800/900 RPM

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	**120942.00**	C/A	1,433	C143T48FB8	37	208-230	3.2–4.2	1.00	12.75	S, US
2/1	1800/900	184T	**131473.00**	C/A	1,832	C184T48FB66	69	208-230	5.8–5.7	1.00	13.96	S, MX
3/1.5	1800/900	184T	**131472.00**	√	2,079	C184T48FB65	80	208-230	7.6–6.9	1.00	14.96	S, MX
5/2.5	1800/900	215T	**140446.00**	C/A	2,717	C215T48FB44	137	208-230	13.4–14.0	1.00	17.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Definite Purpose Motors

Aggregate / Crusher Duty

Design Features:

- NEMA® Design C
- NEMA Premium efficient
- Inverter-rated
- Roller bearing - drive end only for belted load applications only
- Shaft seals - both ends
- 4140 grade high strength shaft material
- Full cast iron construction
- Inverter rated insulation system
- Epoxy painted
- N/C thermostats

Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
50	1800	326T	**194181.00**	√	7,517	326T17WB1	686	208-230/460	118	1.15	33.86	C, CN
50	1200	365T	**194182.00**	√	12,341	365T11WB1	970	208-230/460	120	1.15	38.39	C, CN
60	1800	364T	**194183.00**	√	10,655	364T17WB1	937	208-230/460	138	1.15	36.61	C, CN
60	1200	404T	**194184.00**	√	14,622	404T11WB1	1250	208-230/460	144	1.15	42.72	C, CN
75	1800	365T	**194185.00**	√	13,326	365T17WB1	1075	208-230/460	171	1.15	38.39	C, CN
75	1200	405T	**194186.00**	√	15,370	405T11WB1	1344	208-230/460	178	1.15	42.72	C, CN
100	1800	405T	**194187.00**	√	16,564	405T17WB1	1345	208-230/460	114	1.15	42.72	C, CN
100	1200	444T	**194188.00**	√	21,860	444T11WB1	1462	460	114*	1.15	50.79	C, CN
125	1800	444T	**194189.00**	√	21,923	444T17WB1	1874	460	140*	1.15	50.79	C, CN
125	1200	445T	**194190.00**	√	24,681	445T11WB1	2061	460	142*	1.15	50.79	C, CN
150	1800	445T	**194191.00**	√	25,070	445T17WB1	2061	460	165*	1.15	50.79	C, CN
150	1200	447T	**194192.00**	√	27,829	447T11WB1	2464	460	170*	1.15	55.91	C, CN
200	1800	447T	**194193.00**	√	28,712	447T17WB1	2315	460	225*	1.15	55.91	C, CN
200	1200	449T	**194194.00**	√	36,438	449T11WB1	2513	460	228*	1.15	55.91	C, CN
250	1800	449T	**194195.00**	√	29,701	449T17WB1	2535	460	280*	1.15	55.91	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

*F.L. Amps and 460 V

♥ Note listing on inside back flap

Specifications are subject to change without notice

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LEESON®

Applications:

Hydraulic pump passenger, service, freight, and dumbwaiter low rise elevators.
Typically hydraulic elevators travel up to 6 floors at speeds up to 200 fpm.

Features:

- Dual rated nameplates for 80 & 120 starts/hour
- Designed for belt driven pumps
- Wye Start/Delta Run
- Class F Insulated
- 40° C ambient
- F-1 mounting
- Ball bearings with grease fittings and automatic relief
- NEMA® dimensions
- UL recognized component listing and CSA approved
- Constructed for low noise and low vibration

Three Phase - Drip-Proof - Rigid Base - 80 Starts Per Hour

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F.L. Nom. EFF.	80 Starts F.L. Amps	Locked Rotor Amps	♥Notes
15	3600	213T	**LM30092**	C/A	1,352	SSD2P10/15T61YEH2	149	208-230/460	88.5	36	162/81	S, US
15	1800	215T	**LM28867**	√	1,241	SSD4G10/15T6006YEH2	128	200	89.5	45	170	S, US
15	1800	215T	**LM28868**	√	1,241	SSD4S10/15T61YEH2	124	208-230/460	89.5	39.2/19.6	148/74	S, US
20	3600	215T	**LM30093**	√	1,765	SSD2P15/20T6006YEH2	135	200	90.2	53	267	S, US
20	3600	215T	**LM30094**	√	1,765	SSD2P15/20T61YEH2	138	208-230/460	90.2	46/23	232/116	S, US
20	1800	254T	**LM28873**	√	1,692	SSD4G15/20T6006YEH2	203	200	91.0	59	267	S, US
20	1800	254T	**LM28874**	√	1,692	SSD4G15/20T61YEH2	205	208-230/460	91.0	51.4/25.7	232/116	S, US
25	3600	254T	**LM30095**	√	2,238	SSD2P20/25T6006YEH2	128	200	91.0	67	334	S, US
25	3600	254T	**LM30096**	√	2,238	SSD2P20/25T61YEH2	134	208-230/460	91.0	58/29	290/145	S, US
25	1800	256T	**LM28879**	√	2,139	SSD4G20/25T6006YEH2	233	200	91.0	74	368	S, US
25	1800	256T	**LM28880**	√	2,139	SSD4G20/25T61YEH2	233	208-230/460	91.0	64/32	320/160	S, US
30	3600	256T	**LM30097**	√	2,692	SSD2P25/30T6006YEH2	235	200	91.0	80	419	S, US
30	3600	256T	**LM30098**	√	2,692	SSD2P25/30T61YEH2	235	208-230/460	91.0	69/34.5	364/182	S, US
30	1800	284T	**LM29850**	√	2,826	CCD4G25/30T6006YEH2	300	200	91.7	84	391	C, US
30	1800	284T	**LM29851**	√	2,826	CCD4G25/30T61YEH2	318	208-230/460	90.2	73/36.5	340/170	C, US
30	1800	284T	**LM33046**	√	3,235	CCD4B25/30T61YEH2	320	208-230/460	94.1	73/36.5	360/180	C, US

Shaded model numbers are cast iron frame

Continued On Next Page

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Definite Purpose Motors

Lincoln Hydraulic Elevator Duty Motors

Three Phase - Drip-Proof - Rigid Base - 80 Starts Per Hour

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F.L. Nom. EFF.	80 Starts F.L. Amps	Locked Rotor Amps	♥Notes
40	3600	284T	**LM30099**	√	3,467	CCD2P30/40T6006YEH2	320	200	91.7	112	460	S, US
40	3600	284T	**LM30100**	√	3,467	CCD2P30/40T61YEH2	322	208-230/460	91.7	97/48.5	400/200	S, US
40	1800	286T	**LM29852**	√	3,277	CCD4G30/40T6006YEH2	450	200	92.4	112	495	S, US
40	1800	286T	**LM29853**	√	3,277	CCD4G30/40T61YEH2	600	208-230/460	92.4	97/48.5	430/215	S, US
40	1800	286T	**LM33048**	C/A	3,752	CCD4B30/40T61YEH2	610	208-230/460	94.1	96/48	416/208	S, US
50	3600	286T	**LM30102**	C/A	4,428	CCD2P40/50T61YEH2	462	208-230/460	92.4	117/58.5	580/290	S, US
50	1800	324T	**LM28897**	√	4,386	SD4G40/50T6006YEH2	550	200	92.4	145	630	S, US
50	1800	324T	**LM28898**	√	4,386	SD4G40/50T61YEH2	552	208-230/460	92.4	126/63	548/274	S, US
50	1800	324T	**LM32651**	√	5,022	SD4B40/50T61YEH2	554	208-230/460	94.5	125/62.5	530/265	S, US
60	1800	326T	**LM28903**	√	4,871	SD4G50/60T6006YEH2	519	200	92.4	176	794	S, US
60	1800	326T	**LM28904**	C/A	4,871	SD4G50/60T61YEH2	530	208-230/460	92.4	153/76.5	690/345	S, US
60	1800	326T	**LM32663**	√	7,426	SF4B50/60T61YEH2	535	208-230/460	93.6	151/75.5	650/325	S, US, 13
75	1800	364T	**LM28909**	C/A	7,282	SD4G60/75T6006YEH2	693	200	93.6	206	1000	S, US
75	1800	364T	**LM28910**	√	7,282	SD4S60/75T61YEH2	709	208-230/460	93.6	179/89.5	870/435	S, US
100	1800	365T	**LM28914**	C/A	7,689	SD4G75/100T61YEH2	754	208-230/460	94.1	250/125	1084/542	S, US

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
Model LM32663 is a TEFC design
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

LEESON

Three Phase - Drip-Proof - Rigid Base - 120 Starts Per Hour

HP	RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F.L. Nom. EFF.	120 Starts F.L. Amps	Locked Rotor Amps	♥Notes
10	3600	213T	**LM30092**	C/A	1,352	SSD2P10/15T61YEH2	149	208-230/460	88.5	36	162/81	S, US
10	1800	215T	**LM28867**	√	1,241	SSD4G10/15T6006YEH2	128	200	89.5	45	170	S, US
10	1800	215T	**LM28868**	√	1,241	SSD4S10/15T61YEH2	124	208-230/460	89.5	39.2/19.6	148/74	S, US
15	3600	215T	**LM30093**	√	1,765	SSD2P15/20T6006YEH2	135	200	90.2	53	267	S, US
15	3600	215T	**LM30094**	√	1,765	SSD2P15/20T61YEH2	138	208-230/460	90.2	46/23	232/116	S, US
15	1800	254T	**LM28873**	√	1,692	SSD4G15/20T6006YEH2	203	200	91.0	59	267	S, US
15	1800	254T	**LM28874**	√	1,692	SSD4G15/20T61YEH2	205	208-230/460	91.0	51.4/25.7	232/116	S, US
20	3600	254T	**LM30095**	√	2,238	SSD2P20/25T6006YEH2	128	200	91.0	67	334	S, US
20	3600	254T	**LM30096**	√	2,238	SSD2P20/25T61YEH2	134	208-230/460	91.0	58/29	290/145	S, US
20	1800	256T	**LM28879**	√	2,139	SSD4G20/25T6006YEH2	233	200	91.0	74	368	S, US
20	1800	256T	**LM28880**	√	2,139	SSD4G20/25T61YEH2	233	208-230/460	91.0	64/32	320/160	S, US
25	3600	256T	**LM30097**	√	2,692	SSD2P25/30T6006YEH2	235	200	91.0	80	419	S, US
25	3600	256T	**LM30098**	√	2,692	SSD2P25/30T61YEH2	235	208-230/460	91.0	69/34.5	364/182	S, US
25	1800	284T	**LM29850**	√	2,826	CCD4G25/30T6006YEH2	300	200	91.7	84	391	C, US
25	1800	284T	**LM29851**	√	2,826	CCD4G25/30T61YEH2	318	208-230/460	90.2	73/36.5	340/170	C, US
25	1800	284T	**LM33046**	√	3,235	CCD4B25/30T61YEH2	320	208-230/460	94.1	73/36.5	360/180	C, US
30	3600	284T	**LM30099**	√	3,467	CCD2P30/40T6006YEH2	320	200	91.7	112	460	C, US
30	3600	284T	**LM30100**	√	3,467	CCD2P30/40T61YEH2	322	208-230/460	91.7	97/48.5	400/200	C, US
30	1800	286T	**LM29852**	√	3,277	CCD4G30/40T6006YEH2	450	200	92.4	112	495	C, US
30	1800	286T	**LM29853**	√	3,277	CCD4G30/40T61YEH2	600	208-230/460	92.4	97/48.5	430/215	C, US
30	1800	286T	**LM33048**	C/A	3,752	CCD4B30/40T61YEH2	610	208-230/460	94.1	96/48	416/208	C, US
40	3600	286T	**LM30102**	C/A	4,428	CCD2P40/50T61YEH2	462	208-230/460	92.4	117/58.5	580/290	C, US
40	1800	324T	**LM28897**	√	4,386	SD4G40/50T6006YEH2	550	200	92.4	145	630	S, US
40	1800	324T	**LM28898**	√	4,386	SD4G40/50T61YEH2	552	208-230/460	92.4	126/63	548/274	S, US
40	1800	324T	**LM32651**	√	5,022	SD4B40/50T61YEH2	554	208-230/460	94.5	125/62.5	530/265	S, US
50	1800	326T	**LM28903**	√	4,871	SD4G50/60T6006YEH2	519	200	92.4	176	794	S, US
50	1800	326T	**LM28904**	√	4,871	SD4G50/60T61YEH2	530	208-230/460	92.4	153/76.5	690/345	S, US
50	1800	326T	**LM32663**	√	5,576	SF4B50/60T61YEH2	535	208-230/460	93.6	151/75.5	650/325	S, US
60	1800	364T	**LM28909**	C/A	7,282	SD4G60/75T6006YEH2	693	200	93.6	206	1000	S, US
60	1800	364T	**LM28910**	√	7,282	SD4S60/75T61YEH2	709	208-230/460	93.6	179/89.5	870/435	S, US
75	1800	365T	**LM28914**	C/A	7,689	SD4G75/100T61YEH2	754	208-230/460	94.1	250/125	1084/542	S, US

Shaded model numbers are cast iron frame

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Definite Purpose Motors

Lincoln VVVF (Variable Voltage-Variable Frequency) Traction Elevator Hoist Motors

Applications:

Designed for geared and gearless traction elevators, 100 fpm to 500 fpm operation and up to 12 or 15 floors.

Features:

- Dynamic balanced for low vibration operation
- Normally closed thermostats, one per phase
- Low noise design
- Steel frame construction with cast iron endbells
- Class F Insulated, 40° C ambient
- EPAct efficiency or better
- 1.0 service factor
- 1024 PPR encoder, with 1-inch shaft bore standard
- F1 mounting
- 1000:1 inverter duty capability

Three Phase - Drip-Proof - Rigid Base with Encoder - 80 Starts Per Hour

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F.L. Amps	Rated Accel. Torque	♥Notes
7 1/2	1200	6	254T	**LM28114**	√	3,890	SD6P7.5T61ET1	221	60	208-230/460	24/12	225%	S, US
7 1/2	1200	6	254T	**LM28115**	√	3,890	SD6P7.5T6006ET1	221	60	200	28	225%	S, US
7 1/2	1200	4	254T	**LM28116**	C/A	3,815	SD4P7.5T41ET1	200	40	208-230/460	19/9.5	275%	S, US
7 1/2	1200	4	254T	**LM28117**	C/A	3,815	SD4P7.5T4006ET1	200	40	200	22	275%	S, US
7 1/2	900	4	256T	**LM28118**	C/A	4,236	SD4P7.5T31ET1	278	30	208-230/460	19.6/9.8	275%	S, US
7 1/2	900	4	256T	**LM28119**	C/A	4,236	SD4P7.5T3006ET1	278	30	200	23	275%	S, US
10	1200	6	256T	**LM28120**	√	4,323	SSD6P10T61ET1	214	60	208-230/460	24/12	250%	S, US
10	1200	6	256T	**LM28121**	√	4,323	SD6P10T6006ET1	214	60	200	28	250%	S, US
10	1200	4	256T	**LM28122**	C/A	4,236	SD4P10T41ET1	232	40	208-230/460	19/9.5	275%	S, US
10	1200	4	256T	**LM28123**	C/A	4,236	SSD4P10T4006ET1	232	40	200	22	275%	S, US
10	900	4	284T	**LM28124**	C/A	5,016	SD4P10T31ET1	280	30	208-230/460	19.6/9.8	330%	S, US
10	900	4	284T	**LM28125**	C/A	5,016	SD4P10T3006ET1	280	30	200	23	330%	S, US
12 1/2	1200	6	284T	**LM31393**	C/A	5,164	SD6P12.5T61ET1	338	60	208-230/460	42/21	300%	S, US
12 1/2	1200	6	284T	**LM30676**	√	5,164	SD6P12.5T6006YET1	338	60	200	48.5	300%	S, US
12 1/2	900	4	284T	**LM30677**	C/A	5,445	SD4P12.5T31ET1	365	30	208-230/460	34/17	300%	S, US
12 1/2	900	4	284T	**LM30678**	C/A	5,445	SD4P12.5T3006ET1	365	30	200	38.5	300%	S, US
15	1800	4	256T	**LM30679**	C/A	4,323	SD4P15T61ET1	233	60	208-230/460	——	——	S, US
15	1800	4	256T	**LM30680**	C/A	4,323	SD4P15T6006ET1	233	60	200	——	——	S, US
15	1200	6	284T	**LM28126**	√	5,195	SD6S15T61YET1	341	60	208-230/460	49/24.5	300%	S, US
15	1200	6	284T	**LM28127**	C/A	5,195	SD6G15T6006YET1	338	60	200	56.5	300%	S, US
15	1200	4	284T	**LM28128**	C/A	5,016	SD4P15T41ET1	344	40	208-230/460	40/20	330%	S, US
15	1200	4	284T	**LM28129**	C/A	5,016	SD4P15T4006ET1	344	40	200	46	330%	S, US
15	900	4	286T	**LM30535**	C/A	5,874	SD4S15T31YET1	392	30	208-230/460	40/20	300%	S, US
15	900	4	286T	**LM28131**	C/A	5,874	SD4P15T3006ET1	392	30	200	46	300%	S, US
20	1800	4	256T	**LM30681**	C/A	4,761	SD4P20T61ET1	240	60	208-230/460	——	——	S, US
20	1800	4	256T	**LM30682**	C/A	4,761	SD4P20T6006ET1	240	60	200	——	——	S, US

▼ LM Numbers are Lincoln Models
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♥ Note listing on inside back flap
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Three Phase - Drip-Proof - Rigid Base with Encoder - 80 Starts Per Hour

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F.L. Amps	Rated Accel. Torque	♥Notes
20	1200	6	286T	**LM28132**	C/A	6,038	SD6S20T61YET1	390	60	208-230/460	61/30.5	275%	S, US
20	1200	6	286T	**LM28133**	C/A	6,038	SD6S20T6006YET1	400	60	200	68.0	275%	S, US
20	1200	4	286T	**LM28134**	C/A	5,874	SD4P20T41ET1	385	40	208-230/460	52/26	330%	S, US
20	1200	4	286T	**LM28135**	C/A	5,874	SD4P20T4006ET1	385	40	200	60.0	330%	S, US
20	900	4	324T	**LM28136**	C/A	6,693	SD4P20T31ET1	480	30	208-230/460	54/27	275%	S, US
20	900	4	324T	**LM28137**	C/A	6,693	SD4P20T3006ET1	471	30	200	62.1	275%	S, US
25	1800	4	284T	**LM30720**	C/A	5,195	SD4P25T61ET1	350	60	208-230/460	64/32	250%	S, US
25	1800	4	284T	**LM30721**	C/A	5,195	SD4P25T62ET1	350	60	200	73.5	250%	S, US
25	1200	6	324T	**LM28138**	C/A	7,305	SD6S25T61YET1	505	60	208-230/460	64/32	250%	S, US
25	1200	6	324T	**LM28139**	C/A	7,305	SD6P25T6006ET1	505	60	200	73.6	250%	S, US
25	1200	4	324T	**LM28140**	C/A	6,693	SD4P25T41ET1	472	40	208-230/460	65/32.5	275%	S, US
25	1200	4	324T	**LM28141**	C/A	6,693	SD4P25T4006ET1	472	40	200	74.8	275%	S, US
25	900	4	326T	**LM28142**	C/A	7,601	SD4P25T31ET1	538	30	208-230/460	64/32	275%	S, US
25	900	4	326T	**LM28143**	C/A	7,601	SD4P25T3006YET1	525	30	200	73.6	275%	S, US
30	1800	4	286T	**LM30722**	C/A	6,038	SD4P30T61ET1	400	60	208-230/460	72/36	250%	S, US
30	1800	4	286T	**LM30723**	C/A	6,038	SD4P30T62ET1	400	60	200	83.0	250%	S, US
30	1200	6	326T	**LM27976**	C/A	8,151	SD6S30T61YET1	535	60	208-230/460	76/38	225%	S, US
30	1200	6	326T	**LM28144**	C/A	8,151	SD6S30T6006YET1	552	60	200	87.4	225%	S, US
30	1200	4	326T	**LM28145**	C/A	7,461	SD4P30T41ET1	516	40	208-230/460	74/37	275%	S, US
30	1200	4	326T	**LM28146**	C/A	7,461	SD4P30T4006ET1	516	40	200	85.0	275%	S, US
30	900	4	364T	**LM28147**	C/A	9,131	SD4P30T31ET1	575	30	208-230/460	74/37	275%	S, US
30	900	4	364T	**LM28148**	C/A	9,131	SD4P30T3006ET1	575	30	200	85.0	275%	S, US
40	1800	4	324T	**LM30724**	C/A	6,915	SD4P40T61ET1	470	60	208-230/460	98/49	250%	S, US
40	1800	4	324T	**LM30725**	C/A	6,915	SD4P40T62ET1	470	60	200	113.0	250%	S, US
40	1200	6	364T	**LM28149**	√	10,303	SD6S40T61YET1	755	60	208-230/460	98/49	250%	S, US
40	1200	6	364T	**LM28150**	C/A	10,303	SD6S40T6006YET1	755	60	200	113.0	250%	S, US
40	1200	4	364T	**LM28151**	C/A	9,131	SD4P40T41ET1	715	40	208-230/460	96/48	275%	S, US
40	1200	4	364T	**LM28152**	C/A	9,131	SD4P40T4006ET1	715	40	200	111.0	275%	S, US
40	900	4	365T	**LM28153**	C/A	10,173	SD4P40T31ET1	783	30	208-230/460	97/48.5	275%	S, US
40	900	4	365T	**LM28154**	C/A	10,173	SD4P40T3006ET1	783	30	200	112.0	275%	S, US
50	1800	4	326T	**LM30647**	C/A	7,714	SD4P50T61ET1	522	60	208-230/460	121/60.5	250%	S, US
50	1800	4	326T	**LM30648**	C/A	7,714	SD4P50T6006ET1	522	60	200	139.0	250%	S, US
50	1200	6	365T	**LM28155**	C/A	10,584	SD6S50T61YET1	800	60	208-230/460	129/64.5	275%	S, US
50	1200	6	365T	**LM28156**	C/A	10,584	SD6S50T6006YET1	800	60	200	148.0	275%	S, US
50	1200	4	365T	**LM28157**	C/A	10,173	SD4P50T41ET1	765	40	208-230/460	120/60	275%	S, US
50	1200	4	365T	**LM28158**	C/A	10,173	SD4P50T4006ET1	765	40	200	138.0	275%	S, US
50	900	4	405T	**LM28159**	C/A	13,521	SD4P50T31ET1	964	30	208-230/460	118/59	275%	S, US
50	900	4	405T	**LM28160**	C/A	13,521	SD4S50T3006YET1	964	30	200	136.0	275%	S, US
60	1800	4	364T	**LM30649**	C/A	9,498	SD4P60T61ET1	715	60	208-230/460	140/70	——	S, US
60	1800	4	364T	**LM30650**	C/A	9,498	SD4P60T6006ET1	715	60	200	161.0	——	S, US
60	1200	6	404T	**LM28161**	C/A	11,970	SD6P60T61YET1	888	60	208-230/460	167/83.5	250%	S, US
60	1200	6	404T	**LM28162**	C/A	11,970	SD6P60T6006YET1	888	60	200	192.0	250%	S, US

▼ LM Numbers are Lincoln Models
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Definite Purpose Motors

Lincoln VVVF (Variable Voltage-Variable Frequency) Traction Elevator Hoist Motors

Three Phase - Drip-Proof - C Face Less Base - with Encoder - F1 Conduit Box

80 Starts Per Hour

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F.L. Amps	Rated Accel. Torque	♥Notes
7 1/2	1200	6	254T	**LM28200**	√	4,005	SD6P7.5TCN61ET1	150	60	208-230/460	24/12	225%	S, US
7 1/2	1200	6	254T	**LM28201**	√	4,005	SD6P7.5TCN6006ET1	150	60	200	28.0	225%	S, US
7 1/2	1200	4	254T	**LM30655**	C/A	3,929	SD4P7.5TCN41ET1	145	40	208-230/460	19/9.5	275%	S, US
7 1/2	1200	4	254T	**LM30663**	C/A	3,929	SD4P7.5TCN4006ET1	145	40	200	22.0	275%	S, US
7 1/2	900	4	256T	**LM28202**	C/A	4,351	SD4P7.5TCN31ET1	225	30	208-230/460	19.6/9.8	275%	S, US
7 1/2	900	4	256T	**LM28203**	C/A	4,351	SD4P7.5TCN3006ET1	225	30	200	23.0	275%	S, US
10	1200	6	256T	**LM28204**	√	4,438	SSD6P10TCN61ET1	202	60	208-230/460	24/12	250%	S, US
10	1200	6	256T	**LM28205**	√	4,438	SD6P10TCN6006ET1	202	60	200	28.0	250%	S, US
10	1200	4	256T	**LM30732**	C/A	4,351	SD4P10TCN41ET1	230	40	208-230/460	19/9.5	275%	S, US
10	1200	4	256T	**LM30733**	C/A	4,351	SD4P10TCN4006ET1	230	40	200	22.0	275%	S, US
10	900	4	284T	**LM28206**	C/A	5,215	SD4P10TCN31ET1	355	30	208-230/460	19.6/9.8	330%	S, US
10	900	4	284T	**LM28207**	C/A	5,215	SD4P10TCN3006ET1	355	30	200	23.0	330%	S, US
12 1/2	1200	6	284T	**LM30734**	C/A	4,960	SD4P12.5TCN61ET1	305	60	208-230/460	42/21	300%	S, US
12 1/2	1200	6	284T	**LM30735**	√	4,960	SD4P12.5TCN6006ET1	305	60	200	48.5	300%	S, US
12 1/2	900	4	284T	**LM30736**	C/A	5,643	SD4P12.5TCN3006ET1	355	30	208-230/460	34/17	300%	S, US
12 1/2	900	4	284T	**LM30737**	C/A	5,643	SD4P12.5TCN3006ET1	355	30	200	38.5	300%	S, US
15	1800	4	256T	**LM30748**	C/A	4,438	SD4P15TCN61ET1	220	60	208-230/460	——	——	S, US
15	1800	4	256T	**LM30749**	C/A	4,438	SD4P15TCN6006ET1	220	60	200	——	——	S, US
15	1200	6	284T	**LM28208**	C/A	5,394	SD6P15TCN61ET1	330	60	208-230/460	49/24.5	300%	S, US
15	1200	6	284T	**LM28209**	C/A	5,394	SD6S15TCN6006YET1	330	60	200	56.5	300%	S, US
15	1200	4	284T	**LM30750**	C/A	5,215	SD4P15TCN41ET1	355	40	208-230/460	40/20	330%	S, US
15	1200	4	284T	**LM30751**	C/A	5,215	SD4P15TCN4006ET1	355	40	200	46.0	330%	S, US
15	900	4	286T	**LM28210**	C/A	6,072	SD4P15TCN31ET1	388	30	208-230/460	40/20	300%	S, US
15	900	4	286T	**LM28211**	C/A	6,072	SD4S15TCN3006ET1	388	30	200	46.0	300%	S, US
20	1800	4	256T	**LM30752**	C/A	4,875	SD4P20TCN61ET1	249	60	208-230/460	——	——	S, US
20	1800	4	256T	**LM30753**	C/A	4,875	SD4P20TCN6006ET1	249	60	200	——	——	S, US
20	1200	6	286T	**LM28212**	C/A	6,473	SD6S20TCN61YET1	379	60	208-230/460	61/30.5	275%	S, US
20	1200	6	286T	**LM28213**	C/A	6,473	SD6S20TCN6006YET1	379	60	200	68.0	275%	S, US
20	1200	4	286T	**LM30739**	C/A	6,072	SD4P20TCN41ET1	396	40	208-230/460	52/26	330%	S, US
20	1200	4	286T	**LM30740**	C/A	6,072	SD4P20TCN6006ET1	396	40	200	60.0	330%	S, US
20	900	4	324T	**LM28214**	C/A	7,022	SD4P20TCN31ET1	480	30	208-230/460	54/27	275%	S, US
20	900	4	324T	**LM28215**	C/A	7,022	SD4S20TCN3006YET1	480	30	200	62.1	275%	S, US
25	1800	4	284T	**LM31607**	C/A	5,471	SD4P25TCN61ET1	355	60	208-230/460	64/32	250%	S, US
25	1800	4	284T	**LM30760**	C/A	5,471	SD4P25TCN6006ET1	355	60	200	73.5	250%	S, US
25	1200	6	324T	**LM28216**	C/A	7,862	SD6S25TC61YET1	499	60	208-230/460	64/32	250%	S, US
25	1200	6	324T	**LM28217**	C/A	7,862	SD6P25TCN6006ET1	499	60	200	73.6	250%	S, US
25	1200	4	324T	**LM30754**	C/A	7,022	SD4P25TCN41ET1	480	40	208-230/460	65/32.5	275%	S, US
25	1200	4	324T	**LM30755**	C/A	7,022	SD4P25TCN4006ET1	480	40	200	74.8	275%	S, US
25	900	4	326T	**LM28218**	C/A	8,452	SD4P25TCN31ET1	533	30	208-230/460	64/32	275%	S, US
25	900	4	326T	**LM28219**	C/A	8,452	SD4P25TCN3006ET1	533	30	200	73.6	275%	S, US

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
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Three Phase - Drip-Proof - C Face Less Base - with Encoder - F1 Conduit Box

80 Starts Per Hour

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F.L. Amps	Rated Accel. Torque	♥Notes
30	1800	4	286T	**LM30702**	C/A	6,451	SD4S30TCN61YET1	397	60	208-230/460	72/36	250%	S, US
30	1800	4	286T	**LM30762**	C/A	6,451	SD4P30TCN6006ET1	397	60	200	83.0	250%	S, US
30	1200	6	326T	**LM27971**	C/A	9,026	SD6S30TCN61YET1	537	60	208-230/460	76/38	225%	S, US
30	1200	6	326T	**LM28220**	C/A	9,026	SD6S30TCN6006YET1	557	60	200	87.4	225%	S, US
30	1200	4	326T	**LM30756**	C/A	8,056	SD4P30TCN41ET1	532	40	208-230/460	74/37	275%	S, US
30	1200	4	326T	**LM30757**	C/A	8,056	SD4P30TCN4006ET1	532	40	200	85.0	275%	S, US
30	900	4	364T	**LM28221**	C/A	9,993	SD4P30TCN31ET1	720	30	208-230/460	74/37	275%	S, US
30	900	4	364T	**LM28222**	C/A	9,993	SD4P30TCN3006ET1	720	30	200	85.0	275%	S, US
40	1800	4	324T	**LM30763**	C/A	7,493	SD4P40TCN61ET1	480	60	208-230/460	98/49	250%	S, US
40	1800	4	324T	**LM30764**	C/A	7,493	SD4P40TCN6006ET1	480	60	200	113.0	250%	S, US
40	1200	6	364T	**LM28223**	√	10,958	SD6P40TCN61ET1	724	60	208-230/460	98/49	250%	S, US
40	1200	6	364T	**LM28224**	C/A	10,958	SD6P40TCN6006ET1	724	60	200	113.0	250%	S, US

▼ LM Numbers are Lincoln Models
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Encoder Pigtail Kits for VVVF Elevator Duty Motors

Applications:

Encoder pigtail kits are used to extend the length of the existing encoder leads.

▼ Catalog Number	Stock	Description	List Price
LM30561	√	30 ft. encoder cable kit	786
LM31752	√	40 ft. encoder cable kit	786
LM30881	√	50 ft. encoder cable kit	928

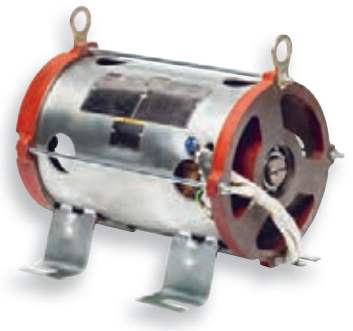
▼ LM Numbers are Lincoln Models
Specifications are subject to change without notice

Definite Purpose Motors

Lincoln Submersible Hydraulic Elevator Pump Motors

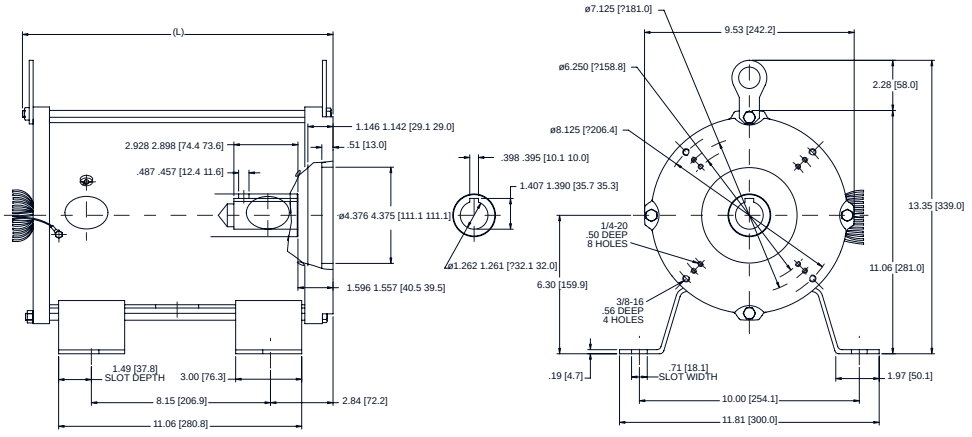
Applications:

These motors are designed to meet the demands in the hydraulic elevator pump industry. Our submersible hydraulic pump elevator motors are ready to be placed in elevator systems for applications in hydraulic pump passenger, service, freight and low-rise elevators. Rated up to 6 floors at speeds up to 200 fpm.



Features:

- Intermittent duty
- Suitable for Wye-Delta starters
- 1.0 service factor and 70°C ambient rated
- Three bolt circles, 12 mounting holes, and face mounting to accept both the IMO and Allweiler pumps
- 10 foot long leads, spliced 40 inches from motor to prevent wicking of hydraulic fluid
- Thermostat leads are marked P1 and P2
- Class F insulation
- Two stainless steel nameplates, one shipped separate for remote mount
- UL recognized component listing and CSA approved



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Three Phase - Open Submersible - Rigid Base

HP	RPM 60 HZ	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	KVA Code	F.L. Amps	Locked Rotor Amps	F.L. EFF.	♥Notes
15	3600	160Z	**LM29656**	√	1,157	SD2S15Z6006YEH3	110	200	H	53.0	268	72.2	S, CN
15	3600	160Z	**LM29657**	√	1,157	SD2S15Z61YEH3	110	208-230/460	H	46/23	250/125	72.2	S, CN
15	3600	160Z	**LM29658**	√	1,157	SD2S15Z65YEH3	110	575	H	18.4	100	72.2	S, CN
20	3600	160Z	**LM29659**	√	1,185	SD2S20Z6006YEH3	112	200	G	64.5	363	76.4	S, CN
20	3600	160Z	**LM29660**	√	1,185	SD2S20Z61YEH3	112	208-230/460	G	56/28	316/158	76.4	S, CN
20	3600	160Z	**LM29661**	√	1,185	SD2S20Z65YEH3	112	575	G	22.4	126	76.4	S, CN
25	3600	160Z	**LM29662**	√	1,291	SD2S25Z6006YEH3	135	200	G	77.1	416	79.0	S, CN
25	3600	160Z	**LM29663**	√	1,291	SD2S25Z61YEH3	115	208-230/460	G	67/33.5	364/182	79.0	S, CN
25	3600	160Z	**LM29664**	√	1,291	SD2S25Z65YEH3	115	575	G	26.8	146	79.0	S, CN
30	3600	160Z	**LM29665**	√	1,440	SD2S30Z6006YEH3	119	200	G	92.0	499	79.9	S, CN
30	3600	160Z	**LM29666**	√	1,440	SD2S30Z61YEH3	129	208-230/460	G	80/40	434/217	79.9	S, CN
30	3600	160Z	**LM29667**	√	1,440	SD2S30Z65YEH3	119	575	G	32.0	174	79.9	S, CN
40	3600	160Z	**LM29668**	√	1,845	SD2S40Z6006YEH3	132	200	G	115.0	667	84.0	S, CN
40	3600	160Z	**LM29669**	√	1,845	SD2S40Z61YEH3	132	208-230/460	G	100/50	580/290	84.0	S, CN
40	3600	160Z	**LM29670**	√	1,845	SD2S40Z65YEH3	132	575	G	40.0	232	84.0	S, CN
50	3600	160Z	**LM29671**	√	2,104	SD2S50Z6006YEH3	143	200	H	140.0	550	84.0	S, CN
50	3600	160Z	**LM29672**	√	2,104	SD2S50Z61YEH3	143	208-230/460	H	122/61	478/239	84.0	S, CN
50	3600	160Z	**LM29673**	√	2,104	SD2S50Z65YEH3	171	575	H	48.8	191	84.0	S, CN

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap
Specifications are subject to change without notice

Conversion Kit

L32 Kit Information:

Used to adapt the Lincoln Submersible Elevator motors to some IMO and Allweiler Pumps. Kit includes needed through-bolts to mount this kit to these motors

L32 Bracket Conversion Kit

▼ Catalog Number	Desc. Sym	App. Wgt. (lbs)	List Price
LM31777	A	12	619

▼ LM Numbers are Lincoln Models
Specifications are subject to change without notice

Allweiler is a registered trademark of Allweiler AG Corp.
IMO is a registered trademark of Imo Industries Inc.
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Definite Purpose Motors

Unit Handling Motors

Applications:

Unit and baggage handling, conveyors, packaging equipment machine tools, elevators and door openers where a conduit box at 12:00 position is needed due to mounting size restrictions.

Features:

- Low profile conduit box at the 12:00 position
- Base includes both 56H and 143-5T mounting holes and slots

Single Phase - TEFC - Rigid C Face

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**117701.00**	√	553	C6C17FK92	22	115/208-230	4.4	1.15	12.48	S, US
3/4	1800	56C	**117702.00**	√	601	C6C17FK94	26	115/208-230	5.4	1.15	12.98	S, US
1	1800	56C	**117703.00**	√	652	C6C17FK93	30	115/208-230	6.4	1.15	12.98	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TEFC - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**117704.00**	√	531	C6C17FC175	21	115/208-230	4.4	1.15	10.98	S, US
3/4	1800	56C	**117705.00**	√	580	C6C17FC176	25	115/208-230	5.4	1.15	11.48	S, US
1	1800	56C	**117706.00**	√	624	C6C17FC177	29	115/208-230	6.4	1.15	11.48	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TEFC - Rigid C Face

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**117707.00**	√	459	C6T17FK99	21	208-230/460	2.0	74.0	1.15	12.48	S, US
3/4	1800	56C	**117708.00**	√	485	C6T17FK100	22	208-230/460	2.8	77.0	1.15	12.48	S, US
1	1800	56C	**117709.00**	D	520	C6T17FK101	30	208-230/460	3.6	77.0	1.15	12.48	S, US
1	1800	56C	**119553.00**	√	715	C6T17FK114	34	208-230/460	3.4	85.5	1.15	12.81	S, US
1	1800	143TC	**121982.00**	√	757	C143T17FK23	32	208-230/460	3.4	85.5	1.15	12.92	S, US
1 1/2	1800	56C	**117710.00**	D	565	C6T17FK102	30	208-230/460	5.0	78.5	1.15	12.48	S, US
1 1/2	1800	56C	**119554.00**	√	778	C6T17FK115	37	208-230/460	5.6	86.5	1.15	13.31	S, US
1 1/2	1800	143TC	**121983.00**	√	800	C143T17FK24	42	208-230/460	5.6	86.5	1.15	13.42	S, US
2	1800	145TC	**121984.00**	√	882	C145T17FK65	45	208-230/460	5.8	86.5	1.15	13.92	S, US

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	**117711.00**	√	448	C6T17FC226	20	208-230/460	2.0	74.0	1.15	10.48	S, US
3/4	1800	56C	**117712.00**	√	478	C6T17FC227	22	208-230/460	2.8	77.0	1.15	10.48	S, US
1	1800	56C	**119555.00**	√	698	C6T17FC259	34	208-230/460	3.4	85.5	1.15	12.81	S, US
1	1800	143TC	**121985.00**	D	633	C143T17FC36	36	208-230/460	3.1	82.5	1.15	11.92	S, US
1	1800	143TC	**122234.00**	√	739	C143T17FC45	36	208-230/460	3.4	85.5	1.15	13.25	S, US
1 1/2	3600	56C	**117714.00**	D	559	C6T34FC107	29	208-230/460	4.2	78.5	1.15	11.48	S, US
1 1/2	3600	56C	**119556.00**	√	764	C6T34FC139	29	208-230/460	4.8	86.5	1.15	13.31	S, US
1 1/2	1800	143TC	**122235.00**	√	782	C145T17FC138	41	208-230/460	4.8	86.5	1.15	13.42	S, US
2	1800	145TC	**122258.00**	√	866	C145T17FC136	45	208-230/460	6.5	86.5	1.15	13.92	S, US

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

Specifications:

These motors comply to the EPAct mandates of 1997, but do not comply with EISA mandates of Dec. 2010. They are not intended for use in the USA, and can be used on machinery that is exported out of the USA

Three Phase - TEFC - Rigid Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	App. Wgt. (lbs)	Voltage	% F.L. EFF.	♥Notes
1	1725	143T	**EXG120014.00**	C/A	536	31	208-230/460	82.5	S, US
1	1725	143T	**EXG151696.60**	C/A	575	49	208-230/460	84.0	C, CN
1 1/2	3450	145T	**EXG120086.00**	C/A	592	45	208-230/460	82.5	S, US
1 1/2	3450	143T	**EXG151698.60**	C/A	635	45	208-230/460	82.5	C, CN
1 1/2	1725	145T	**EXG120015.00**	C/A	542	36	208-230/460	84.0	S, US
1 1/2	1725	145T	**EXG151702.60**	C/A	581	53	208-230/460	85.5	C, CN
2	3450	145T	**EXG120088.00**	C/A	680	45	208-230/460	84.0	S, US
2	3450	145T	**EXG151704.60**	C/A	730	49	208-230/460	84.0	C, CN
2	1725	145T	**EXG120016.00**	C/A	573	46	208-230/460	84.0	S, US
2	1725	145T	**EXG151703.60**	C/A	617	56	208-230/460	85.5	C, CN
3	3450	145T	**EXG120185.00**	C/A	779	42	208-230/460	85.5	S, US
3	3450	182T	**EXG130099.00**	C/A	833	60	208-230/460	85.5	S, MX
3	3510	182T	**EXG151563.60**	C/A	895	93	208-230/460	85.5	C, CN
3	1740	182T	**EXG130008.00**	C/A	678	68	208-230/460	87.5	S, MX
3	1750	182T	**EXG151320.60**	C/A	874	94	208-230/460	87.5	C, CN
5	3500	184T	**EXG150299.60**	C/A	904	100	208-230/460	87.5	C, CN
5	3450	184T	**EXG130101.00**	C/A	960	73	208-230/460	87.5	S, MX
5	1740	184T	**EXG130027.00**	C/A	782	80	208-230/460	87.5	S, MX
5	1750	184T	**EXG151322.60**	C/A	927	101	208-230/460	87.5	C, CN
7 1/2	3450	184T	**EXG131082.00**	C/A	1,069	91	208-230/460	88.5	S, MX
7 1/2	3450	213T	**EXG130103.00**	C/A	1,098	101	208-230/460	88.5	S, MX
7 1/2	3450	213T	**EXG150158.60**	C/A	1,195	150	208-230/460	88.5	C, CN
7 1/2	1740	213T	**EXG140578.00**	C/A	1,046	144	208-230/460	89.5	S, MX
7 1/2	1750	213T	**EXG150157.60**	C/A	1,077	153	208-230/460	89.5	C, CN
10	3510	215T	**EXG140686.00**	C/A	1,407	126	208-230/460	89.5	S, MX
10	3510	215T	**EXG150159.60**	C/A	1,388	167	208-230/460	89.5	C, CN
10	1740	215T	**EXG140489.00**	C/A	1,134	167	208-230/460	89.5	S, MX
10	1750	215T	**EXG150140.60**	C/A	1,212	176	208-230/460	89.5	C, CN
15	3510	215T	**EXG140687.00**	C/A	1,765	140	208-230/460	90.2	S, MX
15	3510	215T	**EXG151317.60**	C/A	1,854	168	208-230/460	90.2	C, CN
15	3525	254T	**EXG150062.60**	C/A	1,856	260	208-230/460	90.2	C, CN
15	1770	254T	**EXG150066.60**	C/A	1,912	284	208-230/460	91.0	C, CN
20	3525	256T	**EXG150033.60**	C/A	2,525	296	208-230/460	90.2	C, CN
20	1750	256T	**EXG150007.60**	C/A	2,352	321	208-230/460	91.0	C, CN
25	3525	256T	**EXG151318.60**	C/A	2,975	307	208-230/460	91.0	C, CN
25	3550	284TS	**EXG150035.60**	C/A	3,050	349	208-230/460	91.0	C, CN
25	1770	284T	**EXG150011.60**	C/A	2,768	370	208-230/460	92.4	C, CN
30	1770	286T	**EXG150015.60**	C/A	3,366	428	208-230/460	92.4	C, CN
40	1780	324T	**EXG150019.60**	C/A	4,345	528	208-230/460	93.0	C, CN
50	1780	326T	**EXG150023.60**	C/A	5,357	561	208-230/460	93.0	C, CN
60	1780	364T	**EXG150027.60**	C/A	7,822	687	208-230/460	93.6	C, CN
75	1780	365T	**EXG150031.60**	C/A	9,031	723	208-230/460	94.1	C, CN
100	1780	405T	**EXG150087.60**	C/A	12,132	1050	208-230/460	94.5	C, CN
125	1780	444T	**EXG151369.60**	C/A	16,107	1920	460	94.5	C, CN
150	1790	445T	**EXG151371.60**	C/A	18,072	1900	460	95.0	C, CN
200	1790	447T	**EXG150352.60**	C/A	23,038	2053	460	95.0	C, CN

Shaded model numbers are cast iron frame

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Definite Purpose Motors

Export Only Motors - Three Phase - EPAct and Standard Efficiency

Three Phase - TEFC - C Face With Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	App. Wgt. (lbs)	Voltage	% F.L. EFF.	♥Notes
1	1740	145TC	**EXG121286.00**	C/A	630	35	208-230/460	82.50%	S, US
1 1/2	1725	145TC	**EXG121287.00**	C/A	629	37	208-230/460	84.00%	S, US
2	1725	145TC	**EXG120276.00**	C/A	659	45	208-230/460	84.00%	S, US
3	1760	182TC	**EXG130326.00**	C/A	817	68	208-230/460	87.50%	S, MX
3	1750	182TC	**EXG151565.60**	C/A	947	94	208-230/460	87.50%	C, CN
5	1760	184TC	**EXG130328.00**	C/A	937	81	208-230/460	87.50%	S, MX
5	1750	184TC	**EXG151566.60**	C/A	1,039	101	208-230/460	87.50%	C, CN
7 1/2	1740	213TC	**EXG140183.00**	C/A	1,122	153	208-230/460	89.50%	S, MX
7 1/2	1760	213TC	**EXG150165.60**	C/A	1,185	156	208-230/460	89.50%	C, CN
10	1740	215TC	**EXG140147.00**	C/A	1,313	162	208-230/460	89.50%	S, MX
10	1760	215TC	**EXG150167.60**	C/A	1,396	178	208-230/460	89.50%	C, CN
15	1770	254TC	**EXG150102.60**	C/A	2,002	268	208-230/460	91.00%	C, CN
20	1770	256TC	**EXG150080.60**	C/A	2,444	321	208-230/460	91.00%	C, CN
25	1770	284TC	**EXG150081.60**	C/A	3,152	387	208-230/460	92.40%	C, CN
30	1770	286TC	**EXG150082.60**	C/A	3,484	433	208-230/460	92.40%	C, CN
40	1780	324TC	**EXG150083.60**	C/A	4,754	572	208-230/460	93.00%	C, CN
50	1780	326TC	**EXG150084.60**	C/A	5,511	631	208-230/460	93.00%	C, CN
60	1780	364TC	**EXG150085.60**	C/A	8,312	699	208-230/460	93.60%	C, CN
75	1780	365TC	**EXG150086.60**	C/A	10,543	757	208-230/460	94.10%	C, CN
100	1780	405TC	**EXG151680.60**	C/A	13,188	1100	208-230/460	94.50%	C, CN

Shaded model numbers are cast iron frame

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEFC - C Face Less Base

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	App. Wgt. (lbs)	Voltage	% F.L. EFF.	♥Notes
1	1725	143TC	**EX120024.00**	C/A	521	26	208-230/460	77.00%	S, US
1 1/2	1725	145TC	**EX120037.00**	C/A	535	32	208-230/460	80.00%	S, US
2	1725	145TC	**EX120038.00**	C/A	573	35	208-230/460	81.50%	S, US
3	1725	145TC	**EX121035.00**	C/A	758	44	208-230/460	82.50%	S, US
3	1740	182TC	**EX131491.00**	C/A	728	52	208-230/460	82.50%	S, MX
5	1725	184TC	**EX131492.00**	C/A	832	64	208-230/460	82.50%	S, MX
7 1/2	1740	184TC	**EX131606.00**	C/A	1,070	66	208-230/460	87.00%	S, MX
7 1/2	1740	213TC	**EX151346.60**	C/A	1,160	162	208-230/460	87.90%	C, CN
7 1/2	1750	S213TC	**EX131528.00**	C/A	1,070	102	208-230/460	87.00%	S, MX
10	1740	215TC	**EX140109.00**	C/A	1,282	141	208-230/460	89.50%	S, MX
10	1750	215TC	**EX151348.60**	C/A	1,365	185	208-230/460	88.40%	C, CN
15	1760	254TC	**EX151350.60**	C/A	1,939	284	208-230/460	90.00%	C, CN
20	1760	256TC	**EX151352.60**	C/A	2,444	270	208-230/460	91.20%	C, CN
25	1760	284TC	**EX151507.60**	C/A	3,079	390	208-230/460	91.30%	C, CN
30	1760	286TC	**EX151508.60**	C/A	3,701	411	208-230/460	91.50%	C, CN
40	1760	324TC	**EX151509.60**	C/A	4,734	548	208-230/460	92.10%	C, CN
50	1760	326TC	**EX151510.60**	C/A	5,462	594	208-230/460	92.40%	C, CN
60	1760	364TC	**EX151519.60**	C/A	8,208	778	208-230/460	92.70%	C, CN

Shaded model numbers are cast iron frame

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

CUSTOMER CARE—BUILT ON CUSTOMER INPUT.

Our customer care process revolves around one thing—listening—before, during and after your purchase. LEESON® representatives are ready to assist you 24/7 with product, technical and service support needs.

TRUST LEESON® DESIGN AND MANUFACTURING EXPERIENCE TO DELIVER

THE PERFECT SOLUTION
FOR YOUR APPLICATION.

MORE THAN 100 YEARS OF LARGE MOTOR EXPERTISE.

For over a century, dedicated LEESON specialists have provided large motor solutions for countless industries and applications. This expertise ensures you receive the best product—stock or custom—for your unique installation. Tap our sales, technical and support teams to configure the perfect solution for your mission-critical application.

BROAD STOCK PRODUCT PORTFOLIO ENSURES RAPID RESPONSE.

LEESON carries a broad range of stock products across an extensive network of distribution centers to help deliver the right product at the right time. Trust LEESON to deliver solutions that help you stay up and running.

MODULAR MANUFACTURING DELIVERS APPLICATION SPECIFIC PRODUCTS FASTER.

Our modular manufacturing design approach enables the configuration of products in compressed time frames. Get the product that meets your specifications without compromising features or functionality.

ACCESSORIES ENABLE CUSTOMIZED SOLUTIONS.

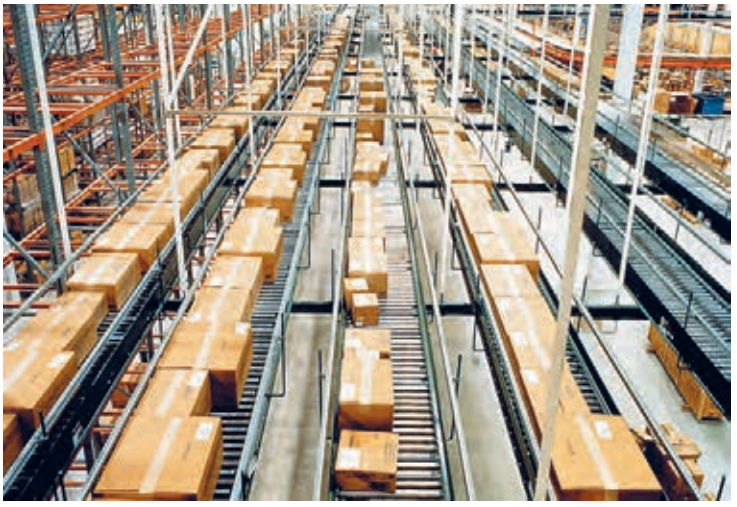
An extensive range of specialized motor accessories helps deliver flexible, application-specific solutions. From overload protection, voltage surge protection to vibration protection, your trusted LEESON representative will help you design the ideal large motor for your needs.

Brakemotors

Features:

- Fail-safe positive stop and holding brakes
- Load stops automatically when power is turned off
- Manual brake release designs
- Dual voltage brake coils
- Single and three phase models
- Washdown duty models
- Brake kits available
- Coupler brake kits available
- High cycle models available
- IEC Brakemotors - see page 281

Applications:
For use where quick response stopping and holding is required in the application, which may include conveyors, hoists, packaging equipment etc…



Single Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	**114165.00**	√	1,065	C6C17NK19	28	115/208-230	2.9	1.15	14.06	S, US, 12
1/2	1800	56C	3	**111950.00**	√	1,150	C6C17FK20	32	115/208-230	4.4	1.00	15.06	S, US, 13
3/4	1800	56C	6	**114167.00**	√	1,513	C6C17FK50	38	115/208-230	5.4	1.15	15.56	S, US, 13
1	1800	56C	6	**111951.00**	√	1,602	C6K17FK21	38	115/208-230	5.3	1.00	16.07	S, US, 13, 53
1 1/2	1800	145TC	10	**121815.00**	√	1,697	C145K17FK17	40	115/208-230	8.8	1.00	18.23	S, US, 13, 53
2	1800	145TC	10	**121816.00**	√	1,737	C145K17FK16	40	115/208-230	9.2	1.00	19.23	S, US, 13, 53

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	3	**114162.00**	C/A	1,036	C6T17DB46	28	208-230/460	2.0	74.0	1.25	13.56	S, US
3/4	1800	56	6	**114163.00**	C/A	1,209	C6T17DB47	29	208-230/460	2.8	77.0	1.25	14.06	S, US
1	1800	56	6	**114164.00**	C/A	1,317	C6T17DB48	32	208-230/460	4.2	78.5	1.15	14.06	S, US
1 1/2	1800	145T	10	**122237.00**	C/A	1,616	C145T17DB84	44	208-230/460	4.8	86.5	1.15	16.50	S, US
2	1800	145T	10	**122238.00**	√	1,810	C145T17DB82	52	208-230/460	5.8	86.5	1.15	17.00	S, US
3	1800	182T	15	**132468.00**	C/A	2,236	C182T17DB64	69	208-230/460	8.0	89.5	1.15	16.89	S, MX
5	1800	184TC	25	**132469.00**	C/A	2,811	C184T17DB86	101	208-230/460	12.6	89.5	1.15	17.89	S, MX
7 1/2	1800	213T	35 ♦	**140611.00**	√	3,420	C213T17DB17	137	208-230/460	20.8	91.0	1.15	24.50	S, MX
10	1800	215T	50 ♦	**140635.00**	√	4,322	C215T17DB35	145	208-230/460	26.2	91.7	1.15	24.50	S, MX

Note: ♦ - 35 and 50 Ft-lb brakes - Horizontal mounting only
All 180 and 210 frame Rolled Steel motors have Class F Insulation.

Green items are Premium Efficient
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	**114156.00**	√	1,065	C6T17DC53	28	208-230/460	2.0	74.0	1.25	13.56	S, US
3/4	1800	56C	6	**114157.00**	√	1,241	C6T17DC55	38	208-230/460	2.8	77.0	1.25	14.06	S, US
1	1800	56C	6	**114166.00**	√	1,341	C6T17DC54	40	208-230/460	3.4	78.5	1.15	14.06	S, US
1	1800	143TC	6	**121678.00**	D	1,341	C143T17DC14	42	208-230/460	3.4	78.5	1.15	14.50	S, US
1	1800	143TC	6	**122239.00**	C/A	1,423	C143T17DC19	45	208-230/460	3.2	85.5	1.15	16.00	S, US
1 1/2	1800	145TC	10	**120372.00**	D	1,560	C145T17DC16	43	208-230/460	5.6	78.5	1.15	15.50	S, US
1 1/2	1800	145TC	10	**122240.00**	C/A	1,663	C145T17DC49	47	208-230/460	4.8	86.5	1.15	17.00	S, US
1 1/2	1800	56C	10	**116766.00**	√	1,560	C6T17DC83	43	208-230/460	5.6	78.5	1.15	15.50	S, US
2	1800	145TC	10	**122241.00**	√	1,873	C145T17DC50	52	208-230/460	5.8	86.5	1.15	17.50	S, US
3	1800	182TC	15	**132470.00**	√	2,322	C182T17DC22	69	208-230/460	8.0	89.5	1.15	13.39	S, MX
5	1800	184TC	25	**131625.00**	D	2,745	C184T17DC18	76	208-230/460	14.2	84.0	1.15	17.35	S, MX
5	1800	184TC	25	**132471.00**	√	2,881	C184T17DC30	100	208-230/460	14.2	89.5	1.15	17.85	S, MX

Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Brakemotors

Three Phase

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	**111326.00**	C/A	1,074	C6T17DK7	31	208-230/460	2.0	74.0	1.25	13.56	S, US
3/4	1800	56C	6	**111327.00**	C/A	1,258	C6T17DK8	34	208-230/460	2.8	77.0	1.25	14.06	S, US
1	1800	56C	6	**111328.00**	√	1,359	C6T17DK9	42	208-230/460	4.2	78.5	1.15	14.06	S, US
1 1/2	1800	145TC	10	**122242.00**	C/A	1,640	C145T17DK30	44	208-230/460	4.8	86.5	1.15	16.50	S, US
2	1800	145TC	10	**122243.00**	C/A	1,847	C145T17DK28	53	208-230/460	5.8	86.5	1.15	17.00	S, US
3	1800	182TC	15	**G131558.00**	D	2,434	C182T17DK14	84	208-230/460	8.4	86.5	1.15	16.90	S, MX
3	1800	182TC	15	**132472.00**	C/A	2,569	C184T17DK45	87	208-230/460	8.0	89.5	1.15	13.39	S, MX
5	1800	184TC	25	**132473.00**	C/A	3,119	C184T17DK32	100	208-230/460	12.6	89.5	1.15	14.39	S, MX
7 1/2	1800	213TC	35	**140610.00**	C/A	3,611	C213T17DK17	118	208-230/460	20.0	91.0	1.15	26.89	S, MX
10	1800	215TC	50	**140638.00**	C/A	4,517	C215T17DK16	129	208-230/460	26.2	91.7	1.15	-------	S, MX

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TENV/TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	3	**114151.00**	C/A	1,012	C6T17NB51	28	208-230/460	1.3	72.0	1.15	13.56	S, US, 12
1/2	1800	56	3	**114150.00**	√	1,102	C6T17NB50	33	208-230/460	1.8	78.5	1.15	14.06	S, US, 12
1/2	1200	56	6	**114149.00**	C/A	1,520	C6T11FB16	33	208-230/460	2.4	70.0	1.15	15.56	S, US
3/4	1800	56	6	**114147.00**	√	1,290	C6T17FB79	34	208-230/460	2.8	77.0	1.15	15.56	S, US
3/4	1200	56	6	**114148.00**	D	1,595	C6T11FB15	43	208-230/460	3.0	75.5	1.15	16.06	S, US
1	1800	56	6	**119561.00**	C/A	1,538	C6T17FB194	39	208-230/460	3.2	85.5	1.15	17.23	S, US
1	1800	143T	6	**122244.00**	√	1,542	C143T17FB34	43	208-230/460	3.2	85.5	1.15	17.66	S, US
1	1200	145T	10	**G121050.00**	D	2,104	C145T11FB18	45	208-230/460	3.6	80.0	1.15	17.52	S, US
1	1200	145T	10	**122245.00**	√	2,171	C145T11FB22	47	208-230/460	3.8	82.5	1.15	18.16	S, US
1 1/2	1800	56	10	**119562.00**	√	1,726	C6T17FB196	46	208-230/460	4.8	86.5	1.15	17.73	S, US
1 1/2	1800	145T	10	**122246.00**	√	1,730	C145T17FB104	48	208-230/460	4.8	86.5	1.15	18.16	S, US
2	1800	145	10	**122247.00**	√	1,773	C145T17FB103	55	208-230/460	5.8	86.5	1.15	18.66	S, US
2	1200	184T	15	**132474.00**	√	2,939	C184T11FB31	83	208-230/460	6.4	88.5	1.15	15.82	S, MX
3	1800	182T	15	**132475.00**	√	2,422	C182T17FB59	80	208-230/460	7.8	89.5	1.15	14.82	S, MX
3	1200	213T	35	**140601.00**	√	4,396	C213T11FB6	150	208-230/460	8.8	89.5	1.15	-------	S, MX
5	1800	184T	25	**132476.00**	√	2,996	C184T17FB74	106	208-230/460	12.6	89.5	1.15	15.82	S, MX
7 1/2	1800	213T	35	**140603.00**	√	3,787	C213T17FB24	166	208-230/460	21.3	91.7	1.15	-------	S, MX
10	1800	215T	50	**140636.00**	√	4,332	C215T17FB33	178	208-230/460	26.8	91.7	1.15	29.00	S, MX

Green items are Premium Efficient

Note 12 - TENV
D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	**110669.00**	√	1,016	C6T17NK1	30	208-230/460	1.3	72.0	1.15	13.56	S, US, 12
1/2	1800	56C	3	**110670.00**	√	1,141	C6T17NK2	34	208-230/460	1.8	78.5	1.15	14.06	S, US, 12
1/2	1800	56C	6	**114154.00**	√	1,141	C6T17FK49	34	208-230/460	2.4	74.0	1.15	15.06	S, US
1/2	1200	56C	6	**114152.00**	√	1,642	C6T11FK5	34	208-230/460	2.4	70.0	1.15	15.56	S, US
3/4	1800	56C	6	**110671.00**	√	1,336	C6T17NK3	34	208-230/460	2.5	80.0	1.15	14.56	S, US, 12
3/4	1800	56C	6	**114155.00**	√	1,336	C6T17FK48	46	208-230/460	2.8	77.0	1.00	15.56	S, US
1	1800	56C	6	**119563.00**	√	1,634	C6T17FK105	35	208-230/460	3.2	85.5	1.15	17.31	S, US
1	1800	143TC	6	**122248.00**	√	1,641	C143T17FK30	45	208-230/460	3.2	85.5	1.15	17.66	S, US
1 1/2	1800	145TC	10	**122249.00**	√	1,805	C145T17FK76	47	208-230/460	4.8	86.5	1.15	18.16	S, US
2	1800	145TC	10	**122250.00**	√	1,866	C145T17FK75	61	208-230/460	5.8	86.5	1.15	18.66	S, US
3	1800	182TC	15	**132477.00**	√	2,535	C182T17FK21	82	208-230/460	7.8	89.5	1.15	15.82	S, MX
5	1800	184TC	25	**132478.00**	√	3,155	C184T17FK38	20	208-230/460	12.6	89.5	1.15	16.32	S, MX
7 1/2	1800	213TC	35	**140605.00**	√	4,043	C213T17FK46	167	208-230/460	21.6	91.7	1.15	28.00	S, MX
10	1800	215TC	50	**140639.00**	√	5,111	C215T17FK47	177	208-230/460	26.8	91.7	1.15	29.00	S, MX

Green items are Premium Efficient
Note 12 - TENV

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	**114158.00**	√	1,032	C6T17NC194	26	208-230/460	1.3	72.0	1.15	13.56	S, US, 12
1/2	1800	56C	3	**114159.00**	√	1,124	C6T17FC111	26	208-230/460	2.0	74.0	1.15	15.31	S, US
3/4	1800	56C	6	**114160.00**	√	1,319	C6T17FC112	34	208-230/460	2.8	77.0	1.15	15.31	S, US
1	1800	56C	6	**119564.00**	√	1,585	C6T17FC249	32	208-230/460	3.2	85.5	1.15	17.31	S, US
1	1800	143TC	6	**122251.00**	√	1,595	C143T17FC42	39	208-230/460	3.2	85.5	1.15	17.73	S, US
1 1/2	1800	56C	10	**119565.00**	√	1,780	C6T17FC250	42	208-230/460	4.8	86.5	1.15	17.81	S, US
1 1/2	1800	145TC	10	**122252.00**	√	1,793	C145T17FC127	43	208-230/460	4.8	86.5	1.15	18.66	S, US
2	1800	145TC	10	**122253.00**	√	1,842	C145T17FC126	53	208-230/460	5.8	86.5	1.15	18.73	S, US
3	1800	182TC	15	**132479.00**	√	2,495	C182T17FC44	72	208-230/460	7.8	89.5	1.15	19.98	S, MX
5	1800	184TC	25	**132480.00**	√	3,141	C184T17FC55	95	208-230/460	12.6	89.5	1.15	16.32	S, MX
7 1/2	1800	213TC	35	**141308.00**	√	4,009	C213T17FC43	152	208-230/460	21.6	91.7	1.15	28.00	S, MX
10	1800	215TC	50	**141309.00**	√	5,078	C215T17FC11	175	208-230/460	26.8	91.7	1.15	29.00	S, MX

Green items are Premium Efficient
Note 12 - TENV

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washdown Duty Brakemotors

White Epoxy Painted

Washguard® Brakemotors - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	**116466.00**	C/A	1,459	C6T17VK28	40	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	**116467.00**	√	1,488	C6T17VK30	42	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	**116468.00**	√	1,765	C6T17VK29	44	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56HC	6	**119486.00**	√	1,915	C6T17WK47	53	208-230/460	3.2	85.5	1.15	17.50	S, US, 13
1	1800	143TC	6	**122193.00**	√	1,933	C143T17WK14	53	208-230/460	3.2	85.5	1.15	17.50	S, US, 13
1 1/2	1800	145TC	10	**122195.00**	√	2,636	C145T17WK55	55	208-230/460	4.8	86.5	1.15	18.50	S, US, 13
2	1800	145TC	10	**122197.00**	√	2,716	C145T17WK56	67	208-230/460	5.8	86.5	1.15	19.00	S, US, 13

Green items are Premium Efficient
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® Brakemotors - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	**116462.00**	√	1,408	C6T17VC43	39	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	**116463.00**	√	1,443	C6T17VC42	41	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	**116464.00**	√	1,717	C6T17VC44	43	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56C	6	**119485.00**	√	1,893	C6T17WC54	50	208-230/460	3.2	85.5	1.15	15.50	S, US, 13
1	1800	143TC	6	**122192.00**	√	1,906	C143T17VC9	52	208-230/460	3.2	85.5	1.15	17.50	S, US, 13
1 1/2	1800	145TC	10	**121614.00**	D	2,464	C145T17WC20	49	208-230/460	5.0	78.5	1.15	18.01	S, US, 13
1 1/2	1800	145TC	10	**122194.00**	√	2,603	C145T17WC44	55	208-230/460	4.8	86.5	1.15	18.50	S, US, 13
2	1800	145TC	10	**122196.00**	√	2,670	C145T17WC45	65	208-230/460	5.8	86.5	1.15	19.00	S, US, 13

Green items are Premium Efficient
D - Item to be discontinued once inventory is depleted
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Stainless Steel Brakemotors

Three Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	**116483.00**	C/A	5,503	CZ6T17VK31	59	208-230/460	1.6	78.5	1.15	15.85	S, US, 12
1	1800	56C	6	**119785.00**	√	6,197	CZ6T17VK61	73	208-230/460	3.2	85.5	1.15	15.56	S, US, 13

Green items are Premium Efficient
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Brakemotors

High Cycle Brakemotors

Applications:

For use in applications that require frequent starting and stopping such as conveyors and unit and baggage handling equipment.

Features:

- All cast iron construction
- *Stearns® high cycle brakes
- Manual release lever on brakes
- UL and CSA recognized construction

Three Phase - TENV - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	% F.L. EFF.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	6	**117698.00**	√	1,317	C6T17NC332	60	230	1.6	82.5	1.00	15.10	C, US
3/4	1800	56C	6	**117699.00**	√	1,520	C6T17NC333	65	230	2.2	85.5	1.00	16.10	C, US
1	1800	56C	6	**117700.00**	D	1,711	C6T17NC334	80	230	2.8	84.0	1.15	16.10	C, US
1	1800	56C	6	**119566.00**	√	1,865	C6T17NC343	82	230	3.0	85.5	1.15	16.10	C, US
1.5	1800	143TC	12	**121979.00**	D	1,870	C145T17NC29	90	230	4.4	84.0	1.25	16.16	C, US
1.5	1800	143TC	12	**122254.00**	√	2,037	C145T17NC33	93	230	4.6	86.5	1.15	16.16	C, US
2	1800	145TC	12	**121980.00**	D	2,044	C145T17NC30	95	230	6.6	85.5	1.15	16.16	C, US
2	1800	145TC	12	**122255.00**	√	2,145	C145T17NC31	98	230	6.0	86.5	1.15	—	C, US

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

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Brakemotors

Brakekits™

- Kit of components to convert 56 through 256T frame stock TEFC motors to fail-safe brakemotors.
- Kit mounts on fan end of motor. Kits for 56-184T steel frame motors include totally enclosed *Stearns® AC brake, replacement cast fan cover, shaft extension, fan and hardware. Kits for 213T-256T cast iron frame motors do not include brake, but are designed for Stearns® 87,000 series brake.
- Two 1/2" NPT holes with 18" leads are provided for connections. The Brakekit adds 5-1/8" to the overall length of 56 and 143-5T frame, and 5-7/8" to the overall length of 182-184T frame.

Brakekits

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @1725 RPM	Catalog No. 115/230 V Brake Coil Voltage	List Price	Catalog No. 208-230/460V Brake Coil Voltage	List Price	Catalog No. 575V Brake Coil Voltage	List Price	App. Wt. (lbs.)
3	48/S56	1	—		**175615.00♠**	742	—	—	10
3	56/143-5T	1	**175762.00◊**	742	**175765.00◊**	742	**175768.00◊**	721	10
6	56/143-5T	2	**175763.00◊**	853	**175766.00◊**	853	**175769.00◊**	829	10
10	56/143-5T	3	**175764.00◊**	977	**175767.00◊**	977	**175770.00◊**	949	10
15	182-4T	3	—		**175696.00**	1,822	**175698.00**	1,822	12
25	182-4T	5	—		**175697.00**	2,065	**175699.00**	2,065	12

56/143-5T frame Brakekits cannot be used on S56 frame motors.
All brake coils are single phase. You can use a 230/460 V coil on a single phase motor by using the 230 volt motor connection and the 230 V brake connection.
♠ For motors having a "P" or "K" for the suffix letter on the date code and having a face mount fan guard.
◊ For 56/145 frame motors having a "B" for the suffix letter for the date code and having a face mount fan guard.
Note: TC frame, JM & JP pump motors having a B or M suffix letter on date code can also use brake kits.

Brake Selection

In this table, brake torque ratings are no less than 140% of the motor full load torque. Match HP & frame size of motor with appropriately rated brake kit.

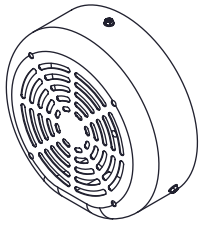
HP	Brakemotor RPM Torque Rating		
	3450	1725	1140
1/3	3	3	3
1/2	3	3	3
3/4	3	6	6
1	3	6	6
1 1/2	6	10	10
2	6	10	15
3	10	15	25
5	15	25	35
7 1/2	25	35	50
10	25	50	75
15	35	75	105
20	50	105	–

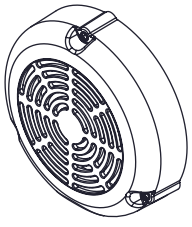
Brake Adapter Kits

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725 RPM	Catalog Number	List Price	App. Wt. (lbs.)
6-105	213-5T	10	**175710.60**	338	30
6-105	254-6T	20	**175711.60**	478	40

- Brake Adapter Kits include adapter casting/fan guard, brake fan, adapter shaft and hardware needed to mount a Stearns® 87,000 series brake (sold separately by Stearns).
- Shaded frame sizes are for use with cast iron motors.
- For use with Wattsaver and "G" Prefix cast iron motors

Old Design





New Design - Face Mount

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LEESON®

Kits include a Stearns NEMA® 4X brake to convert 56 thru 145T frame stock TEFC only motors to fail-safe brakemotors. Food safe white epoxy finish. BISSC Certified. Adds 5-1/8" to the overall length of 56 thru 145T Washguard® TEFC motors.

For 230/460V Three Phase and 230V Single Phase Motors

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725 RPM	Catalog Number	List Price	App. Wt. (lbs.)
3	56/143-5T	1	**175771.00**	1,433	24
6	56/143-5T	2	**175772.00**	1,511	36
10	56/143-5T	3	**175773.00**	1,592	43

* For 56/145 frame motors having a "B" for the suffix letter for the date code and having a face mount fan guard.
Specifications are subject to change without notice

Coupler Brakes

Double C Face Coupler Brakes

- A new and expanded line of coupler brakes designed for applications where mounting the brake between the motor and driven load is the preferred, or most convenient, location. They are an excellent problem solver for applications where a brake needs to be added to existing equipment – without replacing the motor.
- Rugged cast alumimum or cast iron construction *Stearns® brakes are well suited to most industrial applications. Coupler brakes are designed to be C-face connected on both ends – these brakes are not suited for overhung loads to be applied to the output shaft.
- A wide range of voltages and brake torque ratings in both NEMA 2 and NEMA 4X enclosures are available from stock. NEMA 2 brakes are best suited for use with standard ODP and TEFC motors. NEMA 4X brakes are designed for use with LEESON® Washguard motors.

General Purpose Coupler Brakes

- Mounts directly to the face and shaft of NEMA 56 through 215T-frame C-face motors to create a fail-safe brakemotor.
- The 6 ft.lb. brake mounts to NEMA 56C or 143-5TC motors using an optional adaptor sleeve, which is included with the brake. Output shaft can be either 56C or 143-5TC depending on the location of the provided adaptor sleeve. A 1/2 NPT threaded lead exit hole is provided for power connections.

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Brakemotors

General Purpose Coupler Brakes

Stearns®

General Purpose (NEMA® 2) Coupler Brakes For Both Single and Three Phase Motors

Brake Rating (ft-lbs)	Max.HP@ 1725 RPM	Motor Voltage 115/208-230V	Motor Voltage 208-230/460V	Motor Voltage 575V	List Price	Mounts to NEMA Frame	Coupler Brake Output Shaft and Face	Add to Motor "C" Dim.	App. Wt. (lbs.)
3	1	175563.00	175564.00	175565.00	713	56C	5⁄8", 56C	4.91	13
6	2	175569.00	175570.00	175571.00	818	56C/143-5TC	5⁄8" or 7⁄8", 56C	4.91	14
10	3	175575.00	175576.00	175577.00	857	143-5TC	7⁄8", 143-5TC	4.91	15
15	3	—	175581.00	—	979	143-5TC	7⁄8", 143-5TC	4.91	16
15	3	—	175583.00	—	3,482	182-4TC	1 1⁄8", 182-4TC	8.38	58
25	5	—	175585.00	—	3,641	213-5TC	1 3⁄8", 213-5TC	8.38	58
35	7 1⁄2	—	175587.00	—	3,996	213-5TC	1 3⁄8", 213-5TC	8.88	60
50	10	—	175589.00	—	4,423	—	—	8.88	62

Specifications are subject to change without notice

Washguard® Coupler Brakes

Solid die-cast Aluminum *Stearns® NEMA 4X coupler brake converts any TEFC or TENV 56C thru 215TC motor to a fail-safe brakemotor by mounting between the C-face motor and driven equipment. Food safe white epoxy finish. BISSC Certified. Adds 5" to the overall length of 56C thru 145TC Washguard® TEFC or TENV motors. Includes all mounting components.

Washguard® (NEMA 4X) Coupler Brakes For Both Single and Three Phase Motors

Brake Rating (ft-lbs)	Max.HP@ 1725 RPM	Motor Voltage 115/208-230V	Motor Voltage 208-230/460V	Motor Voltage 575V	List Price	Mounts to NEMA Frame	Coupler Brake Output Shaft and Face	Add to Motor "C" Dim.	App. Wt. (lbs.)
3	1	175566.00	175567.00	175568.00	1,289	56C	5⁄8", 56C	4.94	13
6	2	175572.00	175573.00	175574.00	1,387	56C/143-5TC	5⁄8" or 7⁄8", 56C	4.94	14
10	3	175578.00	175579.00	175580.00	1,429	143-5TC	7⁄8", 143-5TC	4.94	15
15	3	—	175582.00	—	1,663	143-5TC	7⁄8", 143-5TC	4.94	16
15	3	—	175584.00	—	4,501	182-4TC	1 1⁄8", 182-4TC	8.38	58
25	5	—	175586.00	—	4,588	182-4TC	1 1⁄8", 182-4TC	8.38	58
35	7 1⁄2	—	175588.00	—	4,759	213-5TC	1 3⁄8", 213-5TC	8.88	60
50	10	—	175590.00	—	5,315	213-5TC	1 3⁄8", 213-5TC	8.88	62

Specifications are subject to change without notice

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LEESON®

NEW!

IEC Brakemotors

These motors meet North American performance standards and Premium energy efficiency mandates and have a 1.15 service factor. Typically used for replacement on machine tools, textile tools, textile machinery and other equipment with metric dimensions but requiring the high torque and performance of motors designed for use in North America.

AC Metric - Three Phase

Features:

- Cast iron frame construction
- 60/50 Hz interchangeability
- 230 volt brake coil
- IP55 enclosure protection
- B3 mounting
- B5 & B14 flange kits available
- 3-year warranty on premium efficiency models
- UL listed and CSA certified

AC Metric - Three Phase - TEFC - B3 Mounting - Rigid Base

kW/HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1-0.75	1800	80M	6	**194222.00**	√	1,188	C80T17FZ47	52	230/460	3.0	83.5%	1.15	13.19	C, CN
1 1/2-1.1	1800	90S	12	**194223.00**	√	1,354	C90T17FZ31	81	230/460	4.2	86.5%	1.15	15.48	C, CN
2-1.5	1800	90L	12	**194224.00**	√	1,425	C90T17FZ32	81	230/460	5.6	86.5%	1.15	15.48	C, CN
3-2.2	1800	100L	24	**194225.00**	√	1,720	C100T17FZ49	110	230/460	7.8	89.5%	1.15	18.13	C, CN
4-3	1800	112M	44	**194226.00**	√	1,805	C112T17FZ30	130	230/460	10.5	89.5%	1.15	19.08	C, CN
5 1/2-4	1800	112M	74	**194227.00**	√	2,097	C112T17FZ31	136	230/460	14.0	89.5%	1.15	19.08	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC Frame	B5 Flange Kit	List Price	B14 Flange Kit	List Price
80M	**176177.00**	100	**176181.00**	83
90S	**176178.00**	103	**176182.00**	92
90L	**176178.00**	103	**176182.00**	92
100L	**176179.00**	146	**176183.00**	129
112M	**176180.00**	155	**176184.00**	141
112M	**176180.00**	155	**176184.00**	141

IEC Motors

LEESON® Passport Series

Stock standard solutions ready to deliver from locations across the country.

Mount: IM B3/B5

Mount: IM B3

Mount:
IM B3/450 Frame
(custom)

IEC Motors

	Aluminum Frame AC	Cast Iron Frame AC	Permanent Magnet DC	Commercial Duty DC	Stainless
Enclosure Type	**TEFC**	**TEFC**	**TENV – TEFC**	**TENV**	**TENV – TEFC**
Range	0.18 kW–2.2 kW	1.5 kW–75 kW	0.06 kW–2.2 kW	0.050–0.125 kW	0.25–1.5 kW
Voltage	230/460 & 575	230/460 & 575	24 & 180 Volts DC	12, 24 & 90 Volts DC	230/460 Volts
Speed	2, 4 & 6-Pole	2, 4 & 6-Pole	3000 & 1800 RPM	3000	1800 RPM
Frequency	60 Hz (50 Hz derated to next lowest HP)	60 Hz (50 Hz derated to next lowest HP)	DC	DC	60 Hz (50 Hz derated to next lowest HP)
IEC Frame	63–90	100–315	56, 63, 80, 90, 112	56	71–90
Mounting Flanges	B3, B5 and B14	B3, B5 and B14	B3, B5 & B14	B14	B5 & B14
Ambient	40°C	40°C	40°C	40°C	40°C
Insulation	Class F Class B Rise	Class F Class B Rise	Class F	Class F	Class F Class B Rise
NEMA® Design B Breakdown Torque	175–300%	175–300%	N/A	N/A	NEMA Design B Breakdown Torque 175–300%
IEC Design N Breakdown Torque	160–200%	160–200%	N/A	N/A	IEC Design N Breakdown Torque 160–200%
NEMA Design B Lock Rotor Torque	70–275%	70–275%	N/A	N/A	NEMA Design B Lock Rotor Torque 70–275%
IEC Design N Lock Rotor Torque	75–275%	75–275%	N/A	N/A	IEC Design N Lock Rotor Torque 75–275%
Service Factor	1.15	1.15	1.0	1.0	1.15
Inverter Duty	10:1	10:1	SCR 10:1	SCR 10:1	6:1
Warranty	3 Years – Premium Efficient Models	3 Years	1 Year	1 Year	3 Years
Accessories	B5 & B14 Flange Kits	B5 & B14 Flange Kits	B5 & B14 Flange Kits	N/A	N/A
Shaft Seals	Yes	Yes	Yes	Yes	Yes
Terminals Boards	Yes	Yes	N/A	N/A	N/A
IP Construction	IP55	IP55	IP54	IP44	IP56 (Encapsulated designs available)
Efficiency	IE2, IE3 (90 Frame) EPACT and NEMA Premium	IE3 – NEMA Premium	Varies by HP	Varies by HP	Standard and EPACT
Removable Base	Yes	No	Yes	No Base	No

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These motors meet North American performance standards, premium energy efficiency mandates, and have 1.15 service factors.

Typically used for replacement on machine tools, textile tools, textile machinery and other equipment with metric dimensions but requiring the high torque and performance of motors designed for use in North America.

Features:

- Aluminum frame and cast iron frame construction
- DC and stainless steel IEC motors available
- 60/50 Hz interchangeability
- B3, B5, B14 mounting flanges
- Flange kits available
- Inverter rated IRIS® insulation system on cast iron AC models
- 3-year warranty on premium efficiency models
- 1-year warranty on DC and AC standard efficiency models
- UL listed and CSA certified

IEC Motors

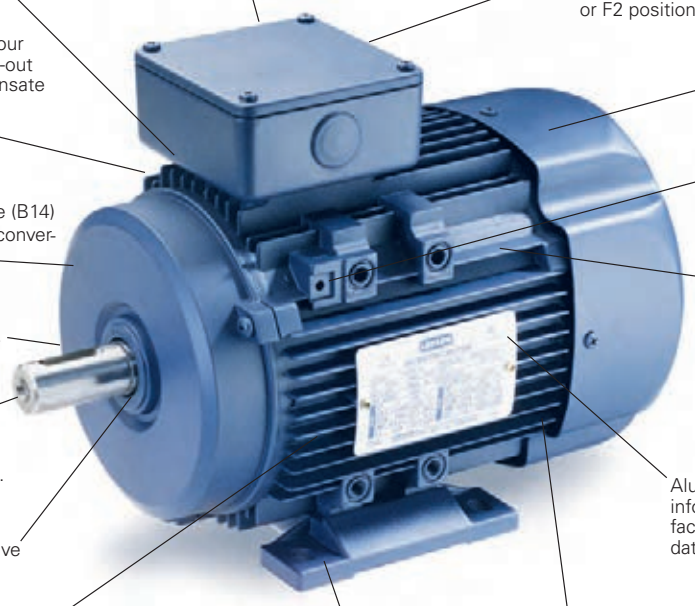
AC Metric (IEC) Motors – Three Phase

ALUMINUM FRAME

CSA: File number LR33543
UL: File number E57948 for motors produced January 2004 and later

IRIS® Inverter Rated Insulation System from LEESON provides superior protection against voltage spikes induced by variable frequency drives.

CONFORMITE EUROPEENE



IP55 weatherproof enclosure allows for use in a wide range of applications.

Terminal boards included.
- 230/460V motors have 9 leads.
- 575V motors have 3 leads.
- All terminal boards have 6 posts.

Conduit box with neoprene gaskets. Reposition metric "PG" tapped lead exit hole by rotating box in 90 degree increments. Move box to F1 or F2 position by relocating motor feet.

Drain hole locations in four quadrants can be drilled-out for multi-position condensate drainage.

Special design steel fan cover and low-noise fan maximize airflow efficiency.

External grounding provision.

D flange (B5) and C face (B14) models available. Field conversion kits also offered.

Multi-mount repositionable feet allow for three conduit box positions (F2, F1, F3).

"Captive Shaft" keyway.

Drilled and tapped shaft.

V – seals on both the drive end and non drive end.

Aluminum "full fact" nameplate with information on motor efficiency and power factor. Stamped with 60 Hz and 50 Hz data.

Class F insulation system with Class B temperature rise or lower.

High efficiency design utilizes low-loss steel laminations for optimum power and performance.

Removable feet.

CAST IRON FRAME

CSA: File number LR62104
UL: File number E57948 for motors produced June 2003 and later

Terminal Boards included.
- 230/460V motors, 132-frame and larger have 12 leads and 9 post terminal boards.
- 230/460V motors, smaller than 132-frame have 9 leads and 6 post terminal boards.
- 575V motors have 3 leads and 6 post terminal boards.

Conduit box with neoprene gaskets. Reposition metric "PG" threaded lead exit by rotating box in 90 degree increments. Motors 132 frame and larger have second lead exit hole for auxiliary box. Box is fixed at F3 location.

Heavy-duty cast iron construction includes frame, endbells and conduit box.

High efficiency design utilizes low-loss steel laminations for optimum power and performance.

IP55 weatherproof enclosure allows for use in a wide range of applications.

Non-sparking fan. Small size reduces noise and enhances efficiency.

D flange (B5) and C face (B14) models available. Field conversion kits also offered.

Steel fan cover.

Drilled and tapped shaft.

Stainless steel "full fact" nameplate with information on motor efficiency and power factor. Stamped with 60 Hz and 50 Hz data

Oil seals on both the drive end and non drive end.

Cast iron mounting feet are precision machined for accurate alignment.

Class F insulation system with Class B temperature rise or lower.

IEC Metric Motors

AC Metric (IEC) Motors - B3 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63	**192010.30**	D	281	C63T34FZ13	10	208-230/460	1.0	65.5	1.15	8.35	A, CN
1/4-0.18	3600	D63	**192010.00**	√	281	C63T34FZ1	10	208-230/460	0.8	72.0	1.15	8.55	A, CN
1/4-0.18	1800	D63	**192011.30**	D	292	C63T17FZ7	11	208-230/460	1.3	52.5	1.15	8.35	A, CN
1/4-0.18	1800	D63	**192011.00**	√	292	C63T17FZ1	11	208-230/460	1.1	68.0	1.15	8.55	A, CN
1/4-0.18	1200	D71	**192012.30**	D	499	C71T11FZ13	12	208-230/460	1.1	62.4	1.15	9.65	A, CN
1/4-0.18	1200	D71	**192012.00**	√	499	C71T11FZ1	12	208-230/460	1.2	64.0	1.15	9.16	A, CN
1/3-0.25	3600	D63	**192020.30**	D	323	C63T34FZ2	11	208-230/460	1.1	72.0	1.15	8.55	A, CN
1/3-0.25	3600	D63	**192020.00**	√	323	C63T34FZ2	11	208-230/460	1.1	72.0	1.15	8.55	A, CN
1/3-0.25	1800	D71	**192021.30**	D	342	C71T17FZ13	13	208-230/460	1.1	62.4	1.15	9.65	A, CN
1/3-0.25	1800	D71	**192021.00**	√	342	C71T17FZ1	13	208-230/460	1.4	68.0	1.15	9.46	A, CN
1/3-0.25	1200	D80	**192022.30**	D	533	C80T11FZ19	17	208-230/460	1.5	61.3	1.15	11.61	A, CN
1/3-0.25	1200	D80	**192022.00**	√	533	C80T11FZ1	17	208-230/460	1.3	70.0	1.15	11.11	A, CN
1/2-0.37	3600	D71	**192030.30**	D	351	C71T34FZ13	13	208-230/460	1.7	67.3	1.15	9.46	A, CN
1/2-0.37	3600	D71	**192030.00**	√	351	C71T34FZ1	13	208-230/460	1.6	74.0	1.15	9.46	A, CN
1/2-0.37	1800	D71	**192031.30**	D	356	C71T17FZ14	14	208-230/460	1.9	71.5	1.15	9.46	A, CN
1/2-0.37	1800	D71	**192031.00**	√	356	C71T17FZ2	14	208-230/460	1.8	74.0	1.15	9.46	A, CN
1/2-0.37	1200	D80	**192032.30**	D	558	C80T11FZ20	19	208-230/460	2.2	61.8	1.15	11.61	A, CN
1/2-0.37	1200	D80	**192032.00**	√	558	C80T11FZ2	19	208-230/460	1.9	72.0	1.15	11.11	A, CN
3/4-0.55	3600	D71	**192040.30**	D	366	C71T34FZ14	15	208-230/460	2.3	74.5	1.15	9.65	A, CN
3/4-0.55	3600	D71	**192040.00**	√	366	C71T34FZ2	15	208-230/460	2.4	74.0	1.15	9.46	A, CN
3/4-0.55	1800	D80	**192041.30**	D	387	C80T17FZ13	18	208-230/460	2.5	73.9	1.15	11.61	A, CN
3/4-0.55	1800	D80	**192041.00**	√	387	C80T17FZ1	18	208-230/460	2.5	74.0	1.15	11.11	A, CN
3/4-0.55	1200	D80	**192042.30**	D	597	C80T11FZ21	22	208-230/460	3.0	63.0	1.15	11.61	A, CN
3/4-0.55	1200	D80	**192042.00**	√	597	C80T11FZ3	22	208-230/460	2.7	72.0	1.15	11.11	A, CN
1-0.75	3600	D80	**192050.30**	D	415	C80T34FZ13	21	208-230/460	3.1	77.0	1.15	11.61	A, CN
1-0.75	3600	D80	**192264.00**	√	415	C80T34FZ48	21	208-230/460	2.8	77.0	1.15	11.11	A, CN
1-0.75	1800	D80	**192051.30**	D	424	C80T17FZ14	26	208-230/460	3.2	73.6	1.15	11.61	A, CN
1-0.75	1800	D80	**192241.30**	D	480	C80T17FZ2	26	208-230/460	3.2	85.5	1.15	11.11	A, CN
1-0.75	1800	D80	**192241.00**	√	480	C80T17FZ54	26	208-230/460	3.2	85.5	1.15	11.11	A, CN
1-0.75	**1200**	**D90S**	**192200.30**	**D**	**716**	**C90T11FZ19**	**33**	**208-230/460**	**3.3**	**82.5**	**1.15**	**13.39**	**A, CN**
1-0.75	1200	D90S	**192200.00**	√	716	C90T11FZ13	33	208-230/460	3.2	82.5	1.15	12.83	A, CN
1 1/2-1.1	3600	D80	**192060.30**	D	460	C80T34FZ14	27	208-230/460	4.3	77.9	1.15	11.61	A, CN
1 1/2-1.1	3600	D80	**192242.30**	D	517	C80T34FZ14	27	208-230/460	4.3	77.9	1.15	11.61	A, CN
1 1/2-1.1	3600	D80	**192242.00**	√	517	C80T34FZ48	27	208-230/460	4.0	84.0	1.15	11.11	A, CN
1 1/2-1.1	1800	D90S	**192202.30**	D	541	C90T17FZ23	37	208-230/460	3.9	86.5	1.15	13.39	A, CN
1 1/2-1.1	1800	D90S	**192202.00**	√	541	C90T17FZ13	37	208-230/460	4.2	88.5	1.15	12.83	A, CN
2-1.5	3600	D90S	**192208.30**	D	564	C90T34FZ21	33	208-230/460	5.0	85.5	1.15	13.39	A, CN
2-1.5	3600	D90S	**192208.00**	√	564	C90T34FZ13	33	208-230/460	5.0	85.5	1.15	16.34	A, CN
2-1.5	1800	D90L	**192205.30**	D	583	C90T17FZ24	38	208-230/460	5.3	86.6	1.15	13.39	A, CN
2-1.5	1800	D90L	**192205.00**	√	583	C90T17FZ16	38	208-230/460	5.4	87.5	1.15	16.34	A, CN
2-1.5	1200	DF100L	**193300.60**	√	972	C100T11FZ20	82	208-230/460	6.0	88.5	1.15	16.34	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

Continued On Next Page

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - B3 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3-2.2	3600	D90L	**192209.30**	D	813	C90T34FZ22	39	208-230/460	7.3	86.5	1.15	13.39	A, CN
3-2.2	3600	D90L	**192209.00**	√	813	C90T34FZ14	39	208-230/460	7.2	86.5	1.15	13.43	A, CN
3-2.2	1800	DF100L	**193301.60**	√	943	C100T17FZ41	84	208-230/460	8.0	90.2	1.15	16.34	C, CN
3-2.2	1200	DF112M	**193302.60**	√	1,367	C112T11FZ21	100	208-230/460	9.6	89.5	1.15	18.43	C, CN
4-3	3600	DF100L	**193303.60**	√	1,005	C100T34FZ20	71	208-230/460	9.2	88.5	1.15	18.43	C, CN
4-3	1800	DF100L	**193304.60**	√	1,023	C100T17FZ42	84	208-230/460	10.0	89.5	1.15	16.34	C, CN
4-3	1200	DF132S	**193305.60**	√	1,657	C132T11FZ58	154	208-230/460	12.6	89.5	1.15	18.27	C, CN
5 1/2-4	3600	DF112M	**193306.60**	√	1,291	C112T34FZ24	104	208-230/460	12.6	89.5	1.15	16.14	C, CN
5 1/2-4	1800	DF112M	**193307.60**	√	1,244	C112T17FZ21	104	208-230/460	14.0	89.5	1.15	16.14	C, CN
5 1/2-4	1200	DF132M	**193308.60**	√	1,915	C132T11FZ59	176	208-230/460	17.0	89.5	1.15	19.76	C, CN
7 1/2-5.5	3600	DF132S	**193309.60**	√	1,619	C132T34FZ45	152	208-230/460	18.0	89.5	1.15	18.27	C, CN
7 1/2-5.5	1800	DF132S	**193310.60**	√	1,619	C132T17FZ43	150	208-230/460	18.4	92.4	1.15	18.27	C, CN
7 1/2-5.5	1200	DF132M	**193311.60**	√	2,302	C132T11FZ60	180	208-230/460	21.6	91.0	1.15	19.76	C, CN
10-7.5	3600	DF132S	**193312.60**	√	1,732	C132T34FZ46	163	208-230/460	24.0	90.2	1.15	18.27	C, CN
10-7.5	1800	DF132M	**193313.60**	√	1,920	C132T17FZ44	174	208-230/460	24.0	91.7	1.15	19.76	C, CN
10-7.5	1200	DF160M	**193314.60**	√	2,985	C160T11FZ39	251	208-230/460	28.8	92.1	1.15	23.62	C, CN
15-11	3600	DF160M	**193315.60**	√	2,806	C160T34FZ59	260	208-230/460	35.0	91.0	1.15	23.62	C, CN
15-11	1800	DF160M	**193316.60**	√	2,806	C160T17FZ43	264	208-230/460	36.0	92.4	1.15	23.62	C, CN
15-11	1200	DF160L	**193317.60**	√	3,833	C160T11F240	330	208-230/460	40.0	91.7	1.15	26.57	C, CN
20-15	3600	DF160M	**193318.60**	√	3,291	C160T34FZ60	269	208-230/460	47.0	91.0	1.15	23.62	C, CN
20-15	1800	DF160L	**193319.60**	√	3,470	C160T17F244	311	208-230/460	50.0	93.0	1.15	25.39	C, CN
20-15	1200	DF180L	**193320.60**	√	5,373	C180T11FZ20	385	208-230/460	53.5	92.4	1.15	28.27	C, CN
25-18.5	3600	DF160L	**193321.60**	√	4,006	C160T34FZ61	319	208-230/460	58.0	91.7	1.15	25.39	C, CN
25-18.5	1800	DF180M	**193322.60**	√	4,409	C180T17FZ41	381	208-230/460	58.5	93.6	1.15	26.77	C, CN
25-18.5	1200	DF200L	**193323.60**	√	6,740	C200T11FZ39	517	208-230/460	66.0	93.5	1.15	29.53	C, CN
30-22	3600	DF180M	**193324.60**	√	4,761	C180T34FZ19	355	208-230/460	69.0	91.7	1.15	26.77	C, CN
30-22	1800	DF180L	**193325.60**	√	4,957	C180T17FZ42	427	208-230/460	70.0	94.1	1.15	28.27	C, CN
30-22	1200	DF200L	**193326.60**	√	7,635	C200T11FZ40	467	208-230/460	77.0	93.8	1.15	29.53	C, CN
40-30	3600	DF200L	**193327.60**	√	6,777	C200T34FZ37	522	208-230/460	91.0	92.4	1.15	29.53	C, CN
40-30	1800	DF200L	**193328.60**	√	7,297	C200T17FZ21	531	208-230/460	95.0	94.1	1.15	29.53	C, CN
40-30	1200	DF225M	**193329.60**	C/A	11,468	C225T11FZ21	633	208-230/460	95.0	94.1	1.15	32.95	C, CN
50-37	3600	DF200L	**193330.60**	√	8,889	C200T34FZ38	546	208-230/460	112.0	94.1	1.15	29.53	C, CN
50-37	1800	DF225S	**193331.60**	√	10,121	C225T17FZ21	632	208-230/460	118.0	94.5	1.15	31.97	C, CN
50-37	1200	DF250M	**193332.60**	C/A	11,755	C250T11FZ19	1089	208-230/460	120.0	94.1	1.15	36.42	C, CN
60-45	3600	225M	**193416.60**	√	9,162	C225T34FZ1A	756	208-230/460	136	93.6	1.15	32.95	C, CN
60-45	1800	225M	**193417.60**	√	10,265	C225T17FZ5A	758	208-230/460	140	95.0	1.15	32.95	C, CN
60-45	1200	280S	**193418.60**	√	12,274	C280T11FZ1A	1213	208-230/460	146	94.5	1.15	38.39	C, CN
75-55	3600	250M	**193419.60**	√	10,429	C250T34FZ1A	988	208-230/460	170	93.6	1.15	36.46	C, CN
75-55	1800	250M	**193420.60**	√	10,786	C250T17FZ2A	1076	208-230/460	174	95.4	1.15	36.46	C, CN
75-55	1200	280M	**193421.60**	√	12,592	C280T11FZ2A	1353	208-230/460	180	94.5	1.15	40.39	C, CN
100-75	3600	280S	**193422.60**	√	11,105	C280T34FZ1A	1157	208-230/460	224	94.1	1.15	38.39	C, CN
100-75	1800	280S	**193423.60**	√	11,262	C280T17FZ3A	1338	208-230/460	226	95.4	1.15	38.39	C, CN
100-75	1200	315S	**193424.60**	√	15,870	C315T11FZ1A	2020	208-230/460	234	95.0	1.15	48.82	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC Metric Motors

AC Metric (IEC) Motors - B3 / B5 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 / B5 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63D	**192014.30**	D	323	C63T34FZ15	10	230/460	1.0	65.5	1.15	8.35	A, CN
1/4-0.18	3600	D63D	**192014.00**	√	323	C63T34FZ5	10	230/460	0.8	72.0	1.15	8.54	A, CN
1/4-0.18	1800	D63D	**192015.30**	D	334	C63T17FZ8	11	230/460	1.3	52.5	1.15	8.35	A, CN
1/4-0.18	1800	D63D	**192015.00**	√	334	C63T17FZ3	11	230/460	1.0	68.0	1.15	8.54	A, CN
1/4-0.18	1200	D71D	**192016.30**	D	571	C71T11FZ14	12	230/460	1.1	62.4	1.15	9.65	A, CN
1/4-0.18	1200	D71D	**192016.00**	√	571	C71T11FZ3	12	230/460	1.2	64.0	1.15	9.45	A, CN
1/3-0.25	3600	D63D	**192024.30**	D	372	C63T34FZ16	11	230/460	1.3	67.9	1.15	8.35	A, CN
1/3-0.25	3600	D63D	**192024.00**	√	372	C63T34FZ6	11	230/460	1.1	72.0	1.15	8.54	A, CN
1/3-0.25	1800	D71D	**192025.30**	D	385	C71T17FZ15	13	230/460	1.4	65.6	1.15	9.65	A, CN
1/3-0.25	1800	D71D	**192025.00**	√	385	C71T17FZ5	13	230/460	1.4	68.0	1.15	9.45	A, CN
1/3-0.25	1200	D80D	**192026.30**	D	616	C80T11FZ22	17	230/460	1.5	70.0	1.15	61.30	A, CN
1/3-0.25	1200	D80D	**192026.00**	√	616	C80T11FZ7	17	230/460	1.3	70.0	1.15	11.10	A, CN
1/2-0.37	3600	D71D	**192034.30**	D	384	C71T34FZ15	13	230/460	1.7	67.3	1.15	9.65	A, CN
1/2-0.37	3600	D71D	**192034.00**	√	384	C71T34FZ5	13	230/460	1.6	74.0	1.15	9.45	A, CN
1/2-0.37	1800	D71D	**192035.30**	D	396	C71T17FZ16	14	230/460	1.9	71.5	1.15	11.61	A, CN
1/2-0.37	1800	D71D	**192035.00**	√	396	C71T17FZ6	14	230/460	1.8	74.0	1.15	9.45	A, CN
1/2-0.37	1200	D80D	**192036.30**	D	637	C80T11FZ23	19	230/460	2.2	61.8	1.15	11.61	A, CN
1/2-0.37	1200	D80D	**192036.00**	√	637	C80T11FZ8	19	230/460	1.9	72.0	1.15	11.10	A, CN
3/4-0.55	3600	D71D	**192044.30**	D	404	C71T34FZ16	15	230/460	2.3	74.5	1.15	9.65	A, CN
3/4-0.55	3600	D71D	**192044.00**	√	404	C71T34FZ6	15	230/460	2.4	74.0	1.15	9.45	A, CN
3/4-0.55	1800	D80D	**192045.30**	D	430	C80T17FZ15	18	230/460	2.5	73.9	1.15	11.61	A, CN
3/4-0.55	1800	D80D	**192045.00**	√	430	C80T17FZ5	18	230/460	2.5	74.0	1.15	11.10	A, CN
3/4-0.55	1200	D80D	**192046.30**	D	677	C80T11FZ24	22	230/460	3.0	63.0	1.15	11.61	A, CN
3/4-0.55	1200	D80D	**192046.00**	√	677	C80T11FZ9	22	230/460	2.7	72.0	1.15	11.10	A, CN
1-0.75	3600	D80D	**192054.30**	D	446	C80T34FZ15	21	230/460	3.1	77.0	1.15	11.61	A, CN
1-0.75	3600	D80D	**192265.00**	√	446	C80T34FZ49	21	230/460	2.8	77.0	1.15	11.10	A, CN
1-0.75	1800	D80D	**192055.30**	D	467	C80T34FZ15	26	230/460	3.1	76.5	1.15	11.61	A, CN
1-0.75	1800	D80D	**192244.30**	D	525	C80T17FZ50	26	230/460	3.2	85.5	1.15	11.10	A, CN
1-0.75	1800	D80D	**192244.00**	√	525	C80T17FZ55	26	230/460	3.2	85.5	1.15	11.10	A, CN
1-0.75	1200	D90SD	**192201.30**	D	820	C90T11FZ20	35	230/460	3.3	82.5	1.15	13.39	A, CN
1-0.75	1200	D90SD	**192201.00**	√	820	C90T11FZ14	35	230/460	3.2	82.5	1.15	12.83	A, CN
1 1/2-1.1	**3600**	**D80D**	**192064.30**	**D**	**506**	**C80T34FZ16**	**30**	**230/460**	**4.3**	**77.9**	**1.15**	**11.61**	**A, CN**
1 1/2-1.1	**3600**	**D80D**	**192245.30**	**D**	**569**	**C80T34FZ43**	**30**	**230/460**	**4.2**	**84.0**	**1.15**	**12.83**	**A, CN**
1 1/2-1.1	3600	D80D	**192245.00**	√	569	C80T34FZ49	30	230/460	4.2	84.0	1.15	12.83	A, CN
1 1/2-1.1	1800	D90SD	**192203.30**	D	594	C90T17FZ25	37	230/460	3.9	86.5	1.15	13.39	A, CN
1 1/2-1.1	1800	D90SD	**192203.00**	√	594	C90T17FZ14	37	230/460	5.0	88.5	1.15	12.83	A, CN
2-1.5	3600	D90SD	**192210.30**	D	648	C90T34FZ23	33	230/460	5.0	85.5	1.15	13.39	A, CN
2-1.5	3600	D90SD	**192210.00**	√	648	C90T34FZ15	33	230/460	5.0	85.5	1.15	12.83	A, CN
2-1.5	1800	D90LD	**192206.30**	D	666	C90T17FZ26	38	230/460	5.4	87.5	1.15	12.83	A, CN
2-1.5	1800	D90LD	**192206.00**	√	666	C90T17FZ17	38	230/460	5.4	87.5	1.15	12.83	A, CN
2-1.5	1200	DF100LD	**193333.60**	√	1,117	C100T11F221	82	208-230/460	6.0	88.5	1.15	16.34	C, CN
3-2.2	3600	D90LD	**192211.30**	D	916	C90T34FZ24	39	230/460	7.3	86.5	1.15	13.39	A, CN
3-2.2	3600	D90LD	**192211.00**	√	916	C90T34FZ16	39	230/460	7.2	87.5	1.15	12.83	A, CN
3-2.2	1800	DF100LD	**193334.60**	√	1,084	C100T17FZ43	84	208-230/460	8.0	89.5	1.15	16.34	C, CN
3-2.2	1200	DF112MD	**193335.60**	√	1,529	C112T11FZ22	100	208-230/460	9.6	89.5	1.15	16.14	C, CN

Shaded model numbers are cast iron frame

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Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - B3 / B5 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
4-3	3600	DF100LD	**193336.60**	√	1,148	C100T34FZ21	71	230/460	9.2	88.5	1.15	16.34	C, CN
4-3	1800	DF100LD	**193337.60**	√	1,166	C100T17FZ44	84	230/460	10.0	89.5	1.15	16.34	C, CN
4-3	1200	DF132SD	**193338.60**	√	1,870	C132T11FZ61	154	230/460	12.4	89.5	1.15	18.27	C, CN
5 1/2-4	3600	DF112MD	**193339.60**	√	1,446	C112T34FZ25	104	230/460	12.6	88.5	1.15	16.14	C, CN
5 1/2-4	1800	DF112MD	**193340.60**	√	1,400	C112T17FZ22	104	230/460	14.0	89.5	1.15	16.14	C, CN
5 1/2-4	1200	DF132MD	**193341.60**	√	2,130	C132T11FZ62	176	230/460	17.0	89.5	1.15	19.76	C, CN
7 1/2-5.5	3600	DF132SD	**193342.60**	√	1,826	C132T34F247	152	230/460	18.0	89.5	1.15	18.27	C, CN
7 1/2-5.5	1800	DF132SD	**193343.60**	√	1,826	C132T17FZ45	150	230/460	18.4	91.7	1.15	18.27	C, CN
7 1/2-5.5	1200	DF132MD	**193344.60**	√	2,519	C132T11FZ63	180	230/460	21.6	91.0	1.15	19.76	C, CN
10-7.5	3600	DF132SD	**193345.60**	√	1,950	C132T34FZ48	163	230/460	24.0	90.2	1.15	19.76	C, CN
10-7.5	1800	DF132MD	**193346.60**	√	2,137	C132T17FZ46	174	230/460	24.0	91.7	1.15	19.76	C, CN
10-7.5	1200	DF160MD	**193347.60**	√	3,394	C160T11FZ41	251	230/460	28.8	91.0	1.15	23.62	C, CN
15-11	3600	DF160MD	**193348.60**	√	3,216	C160T34FZ62	260	230/460	35.0	91.0	1.15	23.62	C, CN
15-11	1800	DF160MD	**193349.60**	√	3,216	C160T17FZ45	264	230/460	37.0	92.4	1.15	23.62	C, CN
15-11	1200	DF160LD	**193350.60**	√	4,242	C160T11FZ42	330	230/460	40.0	91.7	1.15	26.57	C, CN
20-15	3600	DF160MD	**193351.60**	√	3,468	C160T34FZ63	269	230/460	47.0	91.0	1.15	23.62	C, CN
20-15	1800	DF160LD	**193352.60**	√	3,657	C160L17FZ46	311	230/460	50.0	93.0	1.15	25.39	C, CN
20-15	1200	DF180LD	**193353.60**	√	5,563	C180T11FZ21	385	230/460	53.5	91.7	1.15	28.27	C, CN
25-18.5	3600	DF160LD	**193354.60**	√	4,170	C160T34FZ64	319	230/460	58.0	91.7	1.15	25.39	C, CN
25-18.5	1800	DF180MD	**193355.60**	√	4,655	C180T17FZ43	381	230/460	58.5	93.6	1.15	26.77	C, CN
30-22	3600	DF180MD	**193356.60**	√	4,984	C180T34FZ20	355	230/460	69.0	93.0	1.15	26.77	C, CN
30-22	1800	DF180LD	**193357.60**	√	5,171	C180T17FZ44	427	230/460	70.0	94.1	1.15	28.27	C, CN

Shaded model numbers are cast iron frame

♥ Note listing on inside back flap
Specifications are subject to change without notice

Green items are Premium Efficient

Note: Aluminum motors have removable feet for round-body applications. Larger HP B3 Foot-Mounted metric motors on page 287 can be converted to B3/B5 Flange-Mount by installing B5 Flange Kits

IEC Metric Motors

AC Metric (IEC) Motors - B3 / B14 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 / B14 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63C	**192017.30**	D	316	C63T34FZ17	10	230/460	1.0	65.5	1.15	8.35	A, CN
1/4-0.18	3600	D63C	**192017.00**	√	316	C63T34FZ3	10	230/460	0.8	72.0	1.15	8.55	A, CN
1/4-0.18	1800	D63C	**192018.30**	D	328	C63T17FZ9	11	230/460	1.3	52.5	1.15	8.35	A, CN
1/4-0.18	1800	D63C	**192018.00**	√	328	C63T17FZ2	11	230/460	1.0	68.0	1.15	8.55	A, CN
1/4-0.18	1800	D63C	**192018.30**	D	328	C63T17FZ9	11	230/460	1.3	52.5	1.15	8.35	A, CN
1/4-0.18	1200	D71C	**192019.00**	√	571	C71T11FZ2	12	230/460	1.2	64.0	1.15	9.46	A, CN
1/3-0.25	3600	D63C	**192027.30**	D	369	C63T34FZ16	11	230/460	1.3	67.9	1.15	9.65	A, CN
1/3-0.25	3600	D63C	**192027.00**	√	369	C63T34FZ4	11	230/460	1.1	72.0	1.15	8.55	A, CN
1/3-0.25	1800	D71C	**192028.30**	D	374	C71T17FZ17	13	230/460	1.4	65.6	1.15	9.65	A, CN
1/3-0.25	1800	D71C	**192028.00**	√	374	C71T17FZ3	13	230/460	1.4	68.0	1.15	9.46	A, CN
1/3-0.25	1200	D80C	**192029.30**	D	616	C80T11FZ25	17	230/460	1.5	61.3	1.15	11.61	A, CN
1/3-0.25	1200	D80C	**192029.00**	√	616	C80T11FZ4	17	230/460	1.3	70.0	1.15	11.11	A, CN
1/2-0.37	3600	D71C	**192037.30**	D	375	C71T34FZ17	13	230/460	1.7	67.3	1.15	9.65	A, CN
1/2-0.37	3600	D71C	**192037.00**	√	375	C71T34FZ3	13	230/460	1.6	74.0	1.15	9.46	A, CN
1/2-0.37	1800	D71C	**192038.30**	D	390	C71T17FZ18	14	230/460	1.9	71.5	1.15	9.65	A, CN
1/2-0.37	1800	D71C	**192038.00**	√	390	C71T17FZ4	14	230/460	1.8	74.0	1.15	9.46	A, CN
1/2-0.37	1200	D80C	**192039.30**	D	637	C80T11FZ26	19	230/460	2.2	61.8	1.15	11.61	A, CN
1/2-0.37	1200	D80C	**192039.00**	√	637	C80T11FZ5	19	230/460	1.9	72.0	1.15	11.11	A, CN
3/4-0.55	3600	D71C	**192047.30**	D	396	C71T34FZ18	15	230/460	2.3	74.5	1.15	9.65	A, CN
3/4-0.55	3600	D71C	**192047.00**	√	396	C71T34FZ4	15	230/460	2.4	74.0	1.15	9.46	A, CN
3/4-0.55	1800	D80C	**192048.30**	D	425	C80T17FZ17	18	230/460	2.5	73.9	1.15	11.61	A, CN
3/4-0.55	1800	D80C	**192048.00**	√	425	C80T17FZ3	18	230/460	2.5	74.0	1.15	11.11	A, CN
3/4-0.55	1200	D80C	**192049.30**	D	677	C80T11FZ27	22	230/460	3.0	63.0	1.15	11.61	A, CN
3/4-0.55	1200	D80C	**192049.00**	√	677	C80T11FZ6	22	230/460	2.7	72.0	1.15	11.11	A, CN
1-0.75	3600	D80C	**192057.30**	D	434	C80T34FZ17	21	230/460	3.1	77.0	1.15	11.61	A, CN
1-0.75	3600	D80C	**192266.00**	√	434	C80T34FZ50	21	230/460	2.8	77.0	1.15	11.11	A, CN
1-0.75	1800	D80C	**192058.30**	D	456	C80T17FZ18	26	230/460	3.2	73.6	1.15	11.61	A, CN
1-0.75	1800	D80C	**192247.30**	D	512	C80T17FZ51	26	230/460	3.2	85.5	1.15	11.11	A, CN
1-0.75	1800	D80C	**192247.00**	√	512	C80T17FZ56	26	230/460	3.2	85.5	1.15	11.11	A, CN
1-0.75	1200	D90SC	**192212.30**	D	820	C80T11FZ21	35	230/460	3.3	82.5	1.15	13.39	A, CN
1-0.75	1200	D90SC	**192212.00**	√	820	C80T11FZ15	35	230/460	3.2	82.5	1.15	12.83	A, CN
1 1/2-1.1	3600	D80C	**192067.00**	D	496	C80T34FZ4	27	230/460	4.0	84.0	1.15	11.11	A, CN
1 1/2-1.1	3600	D80C	**192248.30**	D	558	C80T34FZ18	27	230/460	4.3	77.9	1.15	11.61	A, CN
1 1/2-1.1	3600	D80C	**192248.00**	√	558	C80T34FZ18	27	230/460	4.3	77.9	1.15	11.61	A, CN
1 1/2-1.1	1800	D90SC	**192204.30**	D	582	C90T17FZ27	37	230/460	3.9	86.5	1.15	13.39	A, CN
1 1/2-1.1	1800	D90SC	**192204.00**	√	582	C90T17FZ15	37	230/460	4.2	86.5	1.15	12.61	A, CN
2-1.5	3600	D90SC	**192213.30**	D	633	C90T34FZ25	33	230/460	5.0	85.5	1.15	13.39	A, CN
2-1.5	3600	D90SC	**192213.00**	√	633	C90T34FZ17	33	230/460	5.0	85.5	1.15	12.61	A, CN
2-1.5	1800	D90LC	**192207.30**	D	648	C90T17FZ28	38	230/460	5.3	86.6	1.15	13.39	A, CN
2-1.5	1800	D90LC	**192207.00**	√	648	C90T17FZ18	38	230/460	5.4	87.5	1.15	12.61	A, CN
3-2.2	3600	D90LC	**192214.30**	D	916	C90T34FZ26	39	230/460	7.3	86.5	1.15	13.39	A, CN
3-2.2	3600	D90LC	**192214.00**	√	916	C90T34FZ18	39	230/460	7.2	87.5	1.15	12.61	A, CN

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Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - B3 / B14 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3-2.2	3600	D90LC	**192214.30**	√	916	C90T34FZ26	39	208-230/460	7.3	86.5	1.15	13.39	A, CN
3-2.2	1800	DF100LC	**193359.60**	√	1,084	C100T17FZ45	84	208-230/460	8.0	90.2	1.15	16.34	C, CN
3-2.2	1200	DF112MC	**193360.60**	√	1,529	C112T11FZ23	84	208-230/460	9.6	89.5	1.15	18.43	C, CN
4-3	3600	DF100LC	**193361.60**	√	1,148	C100T34FZ22	71	208-230/460	9.2	88.5	1.15	16.34	C, CN
4-3	1800	DF100LC	**193362.60**	√	1,166	C100T17FZ46	84	208-230/460	10.0	89.5	1.15	16.34	C, CN
4-3	1200	DF132SC	**193363.60**	√	1,870	C132T11FZ64	154	208-230/460	12.4	89.5	1.15	18.27	C, CN
5 1/2-4	3600	DF112MC	**193364.60**	√	1,446	C112T34FZ26	104	208-230/460	12.6	88.5	1.15	16.34	C, CN
5 1/2-4	1800	DF112MC	**193365.60**	√	1,400	C112T17FZ23	104	208-230/460	14.0	89.5	1.15	16.34	C, CN
5 1/2-4	1200	DF132MC	**193366.60**	√	2,130	C132T11FZ65	176	208-230/460	17.0	89.5	1.15	19.76	C, CN
7 1/2-5.5	3600	DF132SC	**193367.60**	√	1,826	C132T34F249	152	208-230/460	18.0	89.5	1.15	18.27	C, CN
7 1/2-5.5	1800	DF132SC	**193368.60**	√	1,826	C132T17FZ47	150	208-230/460	18.4	91.7	1.15	18.27	C, CN
7 1/2-5.5	1200	DF132MC	**193369.60**	√	2,519	C132T11FZ66	180	208-230/460	21.6	91.0	1.15	19.76	C, CN
10-7.5	3600	DF132SC	**193370.60**	√	1,950	C132T34FZ50	163	208-230/460	24.0	90.2	1.15	19.76	C, CN
10-7.5	1800	DF132MC	**193371.60**	√	2,137	C132T17FZ48	174	208-230/460	24.0	91.7	1.15	19.76	C, CN
10-7.5	1200	DF160MC	**193372.60**	√	3,394	C160T11FZ43	251	208-230/460	28.8	92.1	1.15	23.62	C, CN
15-11	3600	DF160MC	**193373.60**	√	3,216	C160T34FZ65	260	208-230/460	35.0	91.0	1.15	23.62	C, CN
15-11	1800	DF160MC	**193374.60**	√	3,216	C160T17FZ47	264	208-230/460	37.0	92.4	1.15	23.62	C, CN
15-11	1200	DF160LC	**193375.60**	√	4,242	C160T11FZ44	330	208-230/460	40.0	91.7	1.15	26.57	C, CN
20-15	3600	DF160MC	**193376.60**	√	3,676	C160T34FZ66	269	208-230/460	47.0	91.0	1.15	23.62	C, CN
20-15	1800	DF160LC	**193377.60**	√	3,877	C160T17FZ48	311	208-230/460	50.0	93.0	1.15	25.39	C, CN
25-18.5	3600	DF160LC	**193378.60**	√	4,419	C160T34FZ67	319	208-230/460	58.0	91.7	1.15	25.39	C, CN

Shaded model numbers are cast iron frame

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Green items are Premium Efficient

Note: Aluminum motors have removable feet for round-body applications. Larger HP B3 Foot-Mounted metric motors on page 287 can be converted to B3/B5 Flange-Mount by installing B5 Flange Kits

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC Metric Motors

575 Volt Metric Motors

AC Metric (IEC) Motors - B3 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63	**192088.30**	D	281	C63T34FZ19	10	575	0.4	65.5	1.15	8.35	A, CN
1/4-0.18	3600	D63	**192088.00**	√	281	C63T34FZ7	10	575	0.3	72.0	1.15	8.54	A, CN
1/4-0.18	1800	D63	**192089.30**	D	292	C63T17FZ10	11	575	0.5	52.5	1.15	8.35	A, CN
1/4-0.18	1800	D63	**192089.00**	√	292	C63T17FZ4	11	575	0.4	68.0	1.15	8.54	A, CN
1/3-0.25	3600	D63	**192097.30**	D	328	C63T34FZ20	11	575	0.5	67.9	1.15	9.65	A, CN
1/3-0.25	3600	D63	**192097.00**	√	328	C63T34FZ10	11	575	0.4	74.0	1.15	8.54	A, CN
1/3-0.25	1800	D71	**192098.30**	D	342	C71T17FZ19	13	575	0.6	65.6	1.15	9.65	A, CN
1/3-0.25	1800	D71	**192098.00**	√	342	C71T17FZ7	13	575	0.6	67.0	1.15	9.45	A, CN
1/2-0.37	3600	D71	**192106.30**	D	351	C71T34FZ19	13	575	0.7	67.3	1.15	9.65	A, CN
1/2-0.37	3600	D71	**192106.00**	√	351	C71T34FZ7	13	575	0.7	74.0	1.15	9.45	A, CN
1/2-0.37	1800	D71	**192107.30**	D	356	C71T17FZ20	14	575	0.8	71.5	1.15	9.65	A, CN
1/2-0.37	1800	D71	**192107.00**	√	356	C71T17FZ10	14	575	0.7	74.0	1.15	9.45	A, CN
3/4-0.56	3600	D71	**192115.30**	D	366	C71T34FZ20	15	575	0.9	74.5	1.15	11.61	A, CN
3/4-0.56	3600	D71	**192115.00**	√	366	C71T34FZ10	15	575	0.9	74.0	1.15	9.45	A, CN
3/4-0.56	1800	D80	**192116.30**	D	387	C80T17FZ19	18	575	0.9	73.9	1.15	11.61	A, CN
3/4-0.56	1800	D80	**192116.00**	√	387	C80T17FZ7	18	575	1.0	73.0	1.15	11.10	A, CN
1-0.75	3600	D80	**192124.30**	D	415	C80T34FZ19	21	575	1.3	77.0	1.15	11.61	A, CN
1-0.75	3600	D80	**192267.00**	√	415	C80T34FZ7	21	575	1.1	77.0	1.15	11.10	A, CN
1-0.75	1800	D80	**192125.30**	D	424	C80T17FZ20	26	575	1.3	73.6	1.15	11.61	A, CN
1-0.75	1800	D80	**192250.30**	D	480	C80T17FZ52	26	575	1.4	85.5	1.15	11.10	A, CN
1-0.75	1800	D80	**192250.00**	√	480	C80T17FZ57	26	575	1.4	85.5	1.15	11.10	A, CN
1 1/2-1.1	3600	D80	**192133.30**	D	460	C80T34FZ20	27	575	1.7	77.9	1.15	11.61	A, CN
1 1/2-1.1	3600	D80	**192251.30**	D	517	C80T34FZ47	27	575	1.6	82.5	1.15	11.10	A, CN
1 1/2-1.1	3600	D80	**192251.00**	√	517	C80T34FZ51	27	575	1.6	82.5	1.15	11.10	A, CN
1 1/2-1.1	1800	D90S	**192230.30**	D	470	C90T17FZ30	37	575	1.8	86.5	1.15	12.83	A, CN
1 1/2-1.1	1800	D90S	**192230.00**	√	470	C90T17FZ19	37	575	1.8	86.5	1.15	12.83	A, CN
2-1.5	3600	D90S	**192231.30**	D	491	C90T34FZ27	33	575	2.2	86.5	1.15	12.83	A, CN
2-1.5	3600	D90S	**192231.00**	√	491	C90T34FZ19	33	575	2.2	86.5	1.15	12.83	A, CN
2-1.5	1800	D90L	**192232.30**	D	506	C90T17FZ29	38	575	2.3	85.5	1.15	12.83	A, CN
2-1.5	1800	D90L	**192232.00**	√	506	C90T17FZ20	38	575	2.3	85.5	1.15	12.83	A, CN
3-2.2	3600	D90L	**192233.30**	D	705	C90T34FZ28	39	575	3.0	86.5	1.15	13.43	A, CN
3-2.2	3600	D90L	**192233.00**	√	705	C90T34FZ20	39	575	3.0	86.5	1.15	13.43	A, CN
3-2.2	1800	DF100L	**193379.60**	√	943	C100T17FZ47	84	575	3.2	89.5	1.15	16.34	C, CN
4-3	3600	DF100L	**193380.60**	√	1005	C100T34FZ23	71	575	3.1	88.5	1.15	16.34	C, CN
4-3	1800	DF100L	**193381.60**	√	1023	C100T17FZ48	84	575	4.0	89.5	1.15	16.34	C, CN
5 1/2-4	3600	DF112M	**193382.60**	√	1,291	C112T34FZ27	104	575	5.1	88.5	1.15	16.14	C, CN
5 1/2-4	1800	DF112M	**193383.60**	√	1,244	C112T17FZ24	104	575	5.6	89.5	1.15	16.14	C, CN
7 1/2-5.5	3600	DF132S	**193384.60**	√	1,619	C132T34FZ51	152	575	7.0	89.5	1.15	18.27	C, CN
7 1/2-5.5	1800	DF132S	**193385.60**	√	1,619	C132T17FZ49	150	575	7.9	91.7	1.15	18.27	C, CN
10-7.5	3600	DF132S	**193386.60**	√	1,732	C132T34FZ52	163	575	9.6	90.2	1.15	18.27	C, CN
10-7.5	1800	DF132M	**193387.60**	√	1,920	C132T17FZ50	174	575	9.6	91.7	1.15	19.76	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

D - Item to be discontinued once inventory is depleted

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♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - B3 Flange - Rigid Base - IP55

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
15-11	3600	DF160M	**193388.60**	√	2,806	C160T34FZ68	260	575	14.0	91.0	1.2	23.62	C, CN
15-11	1800	DF160M	**193389.60**	√	2,806	C160T17FZ49	264	575	14.5	92.4	1.15	23.62	C, CN
20-15	3600	DF160M	**193390.60**	√	3,291	C160T34FZ69	269	575	18.4	91.0	1.15	23.62	C, CN
20-15	1800	DF160L	**193391.60**	√	3,470	C160T17FZ50	311	575	20.0	93.0	1.15	25.39	C, CN
25-18.5	3600	DF160L	**193392.60**	√	4,006	C160T34FZ70	319	575	23.2	91.7	1.15	25.39	C, CN
25-18.5	1800	DF180M	**193393.60**	√	4,409	C180T17FZ45	381	575	23.0	93.6	1.15	26.77	C, CN
30-22	3600	DF180M	**193394.60**	√	4,761	C180T34FZ21	355	575	27.4	91.7	1.15	26.77	C, CN
30-22	1800	DF180L	**193395.60**	√	4,957	C180T17FZ46	427	575	28.0	93.6	1.15	28.27	C, CN
40-30	3600	DF200L	**193396.60**	√	6,777	C200T34FZ39	522	575	28.4	92.4	1.15	29.53	C, CN
40-30	1800	DF200L	**193397.60**	√	7,297	C200T17FZ22	531	575	38.0	94.7	1.15	29.53	C, CN
50-37	3600	DF200L	**193398.60**	C/A	8,889	C200T34FZ40	546	575	45.0	93.0	1.15	29.53	C, CN
50-37	1800	DF225S	**193399.60**	C/A	10,121	C225T17FZ22	632	575	47.5	94.5	1.15	31.97	C, CN

Shaded model numbers are cast iron frame

Green items are Premium Efficient

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

IEC Metric Motors

Metric Motor Kits - B5 & B14 Flanges

Specifications:

- Includes parts to convert B3 rigid motors to either a B5 or B14 flange

Flange Kits - IEC Motors

IEC Frame	RPM	B5 Flange Kit	List Price	B14 Flange Kit	List Price
63	3600	**175850.00**	76	**175851.00**	68
63	3600	**175850.30**	76	**175851.30**	68
63	1800	**175850.00**	76	**175851.00**	68
63	1800	**175850.30**	76	**175851.30**	68
63	1200	**175850.00**	76	**175851.00**	68
63	1200	**175850.30**	76	**175851.30**	68
71	3600	**175852.00**	90	**175853.00**	73
71	3600	**175852.30**	90	**175853.30**	73
71	1800	**175852.00**	90	**175853.00**	73
71	1800	**175852.30**	90	**175853.30**	73
71	1200	**175852.00**	90	**175853.00**	73
71	1200	**175852.30**	90	**175853.30**	73
80	3600	**175854.00**	100	**175855.00**	83
80	3600	**175854.30**	100	**175855.30**	83
80	1800	**175854.00**	100	**175855.00**	83
80	1800	**175854.30**	100	**175855.30**	83
80	1200	**175854.00**	100	**175855.00**	83
80	1200	**175854.30**	100	**175855.30**	83
90	3600	**175856.00**	103	**175857.00**	92
90	3600	**175856.30**	103	**175857.30**	92
90	1800	**175856.00**	103	**175857.00**	92
90	1800	**175856.30**	103	**175857.30**	92
90	1200	**175856.00**	103	**175857.00**	92
90	1200	**175856.30**	103	**175857.30**	92
100	3600	**175810.60**	146	**175817.60**	129
100	1800	**175810.60**	146	**175817.60**	129
100	1200	**175810.60**	146	**175817.60**	129
112	3600	**175811.60**	155	**175818.60**	141
112	3600	**175827.60Δ**	155	**175832.60Δ**	141
112	1800	**175811.60**	155	**175818.60**	141
112	1800	**175827.60Δ**	155	**175832.60Δ**	141
112	1200	**175810.60**	146	**175817.60**	129
132	3600	**175812.60**	207	**175819.60**	189
132	3600	**175828.60Δ**	207	**175833.60Δ**	189
132	1800	**175812.60**	207	**175819.60**	189
132	1200	**175812.60**	207	**175819.60**	189
160	3600	**175990.60**	364	**175991.60**	362
160	3600	**175829.60Δ**	390	**175834.60Δ**	362
160	1800	**175990.60**	364	**175991.60**	362
160	1200	**175990.60**	364	**175991.60**	362
180	3600	**175890.60**	454		
180	3600	**175830.60Δ**	454		
180	1800	**175890.60**	454		
180	1200	**175890.60**	454		
200	3600	**175994.60**	631		
200	3600	**175831.60Δ**	631		
200	1800	**175994.60**	631		
200	1200	**175994.60**	631		
225	3600	**175995.60**	808		
225	1800	**175995.60**	808		
225	1200	**175995.60**	808		
250	1200	**175619.60**	808		

Note: ".30" Kit Numbers to be used with the .30 Series IEC AL frame motors

Δ For IEC motors built after June 2011
Specifications are subject to change without notice

Specifications:

Used to convert a metric motor to have a reduced B14 flange mount. Example, you can change an 80 frame IEC motor to have a 71 frame B14 flange. Comes complete with necessary hardware and oil seals for easy field mounting.

IEC Motor Frame	B14 Flange Frame	Catalog Number	List Price
63	56	**175900.00**	66
71	63	**175901.00**	73
80	71	**175902.00**	83
90	80	**175903.00**	86

Used to convert ".00" design motors only
No reduced diameter kits for ".30" series IEC motors

IEC Brakemotors

NEW!

These motors meet North American performance standards and Premium energy efficiency mandates and have a 1.15 service factor. Typically used for replacement on machine tools, textile tools, textile machinery and other equipment with metric dimensions but requiring the high torque and performance of motors designed for use in North America.

AC Metric - Three Phase

Features:

- Cast iron frame construction
- 60/50 Hz interchangeability
- 230 volt brake coil
- IP55 enclosure protection
- B3 mounting
- B5 & B14 flange kits available
- 3-year warranty on premium efficiency models
- UL listed and CSA certified

AC Metric - Three Phase - TEFC - B3 Mounting - Rigid Base

kW/HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1-0.75	1800	80M	6	**194222.00**	√	1,188	C80T17FZ47	52	230/460	3.0	83.5%	1.15	13.19	C, CN
1 1/2-1.1	1800	90S	12	**194223.00**	√	1,354	C90T17FZ31	81	230/460	4.2	86.5%	1.15	15.48	C, CN
2-1.5	1800	90L	12	**194224.00**	√	1,425	C90T17FZ32	81	230/460	5.6	86.5%	1.15	15.48	C, CN
3-2.2	1800	100L	24	**194225.00**	√	1,720	C100T17FZ49	110	230/460	7.8	89.5%	1.15	18.13	C, CN
4-3	1800	112M	44	**194226.00**	√	1,805	C112T17FZ30	130	230/460	10.5	89.5%	1.15	19.08	C, CN
5 1/2-4	1800	112M	74	**194227.00**	√	2,097	C112T17FZ31	136	230/460	14.0	89.5%	1.15	19.08	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC Frame	B5 Flange Kit	List Price	B14 Flange Kit	List Price
80M	**176177.00**	100	**176181.00**	83
90S	**176178.00**	103	**176182.00**	92
90L	**176178.00**	103	**176182.00**	92
100L	**176179.00**	146	**176183.00**	129
112M	**176180.00**	155	**176184.00**	141
112M	**176180.00**	155	**176184.00**	141

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IEC Metric Motors

IEC Washguard® All-Stainless AC Motors

IEC B5 Flange - Round Body

IEC B5 Flange - Round Body - Three Phase - TENV/TEFC

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	**103403.00**	√	1,455	CZ4T17VZ16	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
1/3-0.25	1800	80	**103405.00**	√	1,455	CZ4T17VZ17	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
1/2-0.37	1800	71	**103404.00**	√	1,504	CZ4T17VZ6	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
1/2-0.37	1800	80	**103406.00**	√	1,504	CZ4T17VZ7	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
3/4-0.55	1800	80	**103407.00**	√	1,595	CZ4T17WZ9	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13
1- 0.75	1800	90	**119507.00**	√	1,855	CZ6T17WC55	47	208-230/460	3.2	85.5	1.15	12.59	S, US, 13
1.5 - 1.1	1800	90	**119508.00**	√	1,942	CZ6T17WC60	52	208-230/460	4.8	86.5	1.15	13.09	S, US, 13
2 - 1.5	1800	90	**119509.00**	√	2,117	CZ6T17WC59	49	208-230/460	5.8	86.5	1.15	13.84	S, US, 13

Green items are Premium Efficient

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC B14 Flange - Round Body

IEC B14 Flange - Round Body - Three Phase - Totally Enclosed

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	**103395.00**	√	1,455	CZ4T17VZ13	30	208-230/460	1.3	70.5	1.15	9.83	S, US, 12
1/3-0.25	1800	80	**103397.00**	√	1,455	CZ4T17VZ14	30	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	71	**103396.00**	√	1,504	CZ4T17VZ3	32	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
1/2-0.37	1800	80	**103398.00**	√	1,504	CZ4T17VZ4	32	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
3/4-0.55	1800	80	**103399.00**	√	1,595	CZ4T17WZ7	38	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC B5 Flange - Rigid Base

IEC B3/ B5 Flange - Rigid Base - Three Phase - Totally Enclosed

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	**103408.00**	√	1,480	CZ4T17VZ18	30	208-230/460	1.3	70.5	1.15	9.50	S, US, 12
1/2-0.37	1800	80	**103409.00**	√	1,526	CZ4T17VZ8	32	208-230/460	1.6	76.0	1.15	12.75	S, US, 12
3/4-0.55	1800	80	**103410.00**	√	1,627	CZ4T17WZ10	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC B14 Flange - Rigid Base

IEC B3 / B14 Flange - Rigid Base - Three Phase - Totally Enclosed

HP/kW	SYN RPM 60 Hz	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	103400.00	√	1,504	CZ4T17VZ15	31	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	80	103401.00	√	1,662	CZ4T17VZ5	33	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
3/4-0.55	1800	80	103402.00	√	1,722	CZ4T17WZ8	39	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

IP55 Enclosure Protection

TEFC - SCR Rated 90 & 180V - C Face With Base

HP/kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	**109068.00**	√	1,501	4D17VK27	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	**109071.00**	√	1,754	4D17WK11	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	**109074.00**	√	2,136	4D17WK15	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	**109077.00**	√	2,478	4D17WK18	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable.
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V - C Face With Base

HP/kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	**109081.00**	√	1,468	4D17VC8	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	**109084.00**	√	1,722	4D17WC4	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	**109087.00**	√	2,103	4D17WC7	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	**109090.00**	√	2,447	4D17WC10	50	180	230	5.0	16.37	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Flange And Face Kits for Stainless Steel DC Metric (IEC) Frame Motors

The modular design concept of LEESON's other metric DC motors has been applied to the all-stainless metric motors. Any flange or face kit can mount on any motor. This allows the greatest flexibility from the smallest inventory of motors.

B5 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	**175593.00**	189	2	160	110	9	130
80	**175594.00**	228	3	200	130	12	165
90S/90L	**175594.00**	228	3	200	130	12	165
100L/112M	**175595.00**	356	5	250	180	15	215

Specifications are subject to change without notice

B14 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm))
71	**175596.00**	144	1	105	70	6	85
80	**175597.00**	144	1	120	80	6	100
90S/90L	**175598.00**	392	1	140	95	6	115
100L/112M	**175599.00**	356	2	160	110	6	130

Specifications are subject to change without notice

IEC Metric Motors

DC Metric Motors

Metric (IEC) Frame - SCR Rated - IP54

Application Notes:

Please note that one or more of the mounting kits must be used with IEC motors of these frame sizes. See listing on next page for B5 flange and B14 face kits. B3 rigid base kits are listed below.

General Specifications:

- Built to IEC 34-1 electrical and mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 frame only

Features:

- Terminal board provided for connections
- All metric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 frame only

180 Volts - Totally Enclosed - B5 Flange

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	DC Voltage	Control Volts AC Input	F.L. Amps @ 180 VDC	"C" Dim. (Inches)	♥Notes
0.06/1/12	1750	56	**M1130146.00**	C/A	475	CIM34D18ND1	8	180	230	0.5	6.24	S, US, 12
0.09/1/8	3000	56	**M1130150.00**	√	475	CIM34D30ND1	9	180	230	0.7	6.74	S, US, 12
0.09/1/8	1750	56	**M1130147.00**	√	509	CIM34D18ND2	10	180	230	0.7	7.55	S, US, 12
0.12/1/6	3000	56	**M1130151.00**	√	493	CIM34D30ND2	9	180	230	0.9	7.55	S, US, 12
0.12/1/6	1750	63	**M1130148.00**	√	583	CIM34D18FD1	7	180	230	0.9	8.30	S, US, 13
0.18/1/4	3000	63	**M1130152.00**	√	538	CIM34D30ND3	11	180	230	1.3	8.78	S, US, 12
0.18/1/4	1750	63	**M1130149.00**	√	626	CIM34D18FD2	13	180	230	1.3	9.50	S, US, 13
0.25/1/3	3000	63	**M1130153.00**	√	597	CIM34D30FD1	11	180	230	1.7	9.50	S, US, 13

These motors have accommodations for B3 base mountings with the kits - see page 314

♥ Note listing on inside back flap

Specifications are subject to change without notice

Note 12 - TENV
Note 13 - TEFC
C/A - Check Availability

180 volts - Totally Enclosed - B14 Flange

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	DC Voltage	Control Volts AC Input	F.L. Amps @ 180 VDC	"C" Dim. (Inches)	♥Notes
0.06/1/12	3000	56	**M1110024.00**	√	425	980.542	6	180	230	0.4	6.34	S, US, 12
0.06/1/12	1750	56	**M1130136.00**	√	475	CIM34D18NC5	8	180	230	0.5	6.24	S, US, 12
0.09/1/8	3000	56	**M1130140.00**	√	475	CIM34D30NC1	9	180	230	0.7	6.74	S, US, 12
0.09/1/8	1750	56	**M1130137.00**	√	509	CIM34D18NC6	14	180	230	0.7	7.55	S, US, 12
0.12/1/6	3000	56	**M1130141.00**	√	493	CIM34D30NC2	10	180	230	0.9	7.55	S, US, 12
0.12/1/6	1750	63	**M1130138.00**	√	583	CIM34D18FC1	8	180	230	0.9	8.30	S, US, 13
0.18/1/4	3000	63	**M1130142.00**	√	538	CIM34D30NC3	10	180	230	1.3	8.78	S, US, 12
0.18/1/4	1750	63	**M1130139.00**	√	626	CIM34D18FC2	10	180	230	1.3	9.50	S, US, 13
0.25/1/3	3000	63	**M1130143.00**	√	597	CIM34D30FC1	10	180	230	1.7	9.50	S, US, 13

Except for M1110024.00, these motors have accommodations for B3 base mountings with the kits - see page 314

♥ Note listing on inside back flap
Specifications are subject to change without notice

Note 12 - TENV
Note 13 - TEFC

TEFC - SCR Rated 180 Volts - Round Body

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	DC Voltage	Control Volts AC Input	F.L. Amps @ 180 VDC	"C" Dim. (Inches)	♥Notes
0.25/1/3	1750	71	**098014.00**	√	623	42D17FT1	23	180	230	1.7	11.28	S, US
0.37/1/2	3000	71	**098016.00**	√	665	42D34FT1	21	180	230	2.5	10.78	S, US
0.37/1/2	1750	71	**098015.00**	√	706	42D17FT2	26	180	230	2.5	11.78	S, US
0.55/3/4	3000	71	**098017.00**	√	765	42D34FT2	24	180	230	3.6	11.78	S, US
0.55/3/4	1750	80	**108369.00**	√	874	4D17FT1	34	180	230	3.5	14.64	S, US
0.75/1	3000	80	**108372.00**	√	874	4D34FT1	45	180	230	4.9	14.64	S, US
0.75/1	1750	80	**108370.00**	√	1,079	4D17FT2	48	180	230	4.6	17.14	S, US
1.1/11/2	3000	80	**108373.00**	√	967	4D34FT2	47	180	230	7.1	16.14	S, US
1.1/11/2	1750	80	**108371.00**	√	1,424	4D17FT3	52	180	230	7.0	17.14	S, US
1.1/11/2	1750	90L	**118007.00**	√	2,121	CI6D17FT1	64	180	230	7.5	18.97	S, US
1.5/2	3000	90L	**118009.00**	√	2,121	CI6D34FT1	72	180	230	10.0	18.47	S, US
1.5/2	1750	90L	**118008.00**	√	2,545	CI6D17FT2	84	180	230	9.5	20.47	S, US
2.2/3	3000	90L	**118010.00**	√	2,545	CI6D34FT2	82	180	230	16.0	19.47	S, US
2.2/3	1750	112M	**118014.00**	√	3,552	CI6D17FK1	90	180	230	14.0	21.79	S, US

IMPORTANT: These round body motors require either a B3 rigid base, B14 face or B5 flange kit - see page 314. Catalog number 118014.00 comes complete with IEC 112 B14 face and B3 foot; shaft diameter is 24mm.

♥ Note listing on inside back flap
Specifications are subject to change without notice

IEC Metric Motors

Metric (IEC) Frame - SCR Rated

(For DC Metric Motors Only)
All motors are stocked with provisions to accommodate B3 foot mountings with the packages noted below.

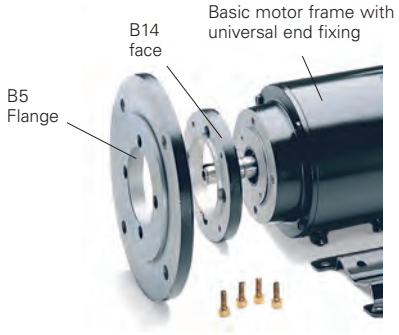
B3 Foot Mounting Kits

IEC Frame	Catalog Number	List Price
56	**175142.00**	70
63	**175143.00**	70
71	**175144.00**	76
80	**175145.00**	82
80	**175784.00†**	82
90	**175146.00**	52

† For endshield mounted brush cover motors

Flange Kits

Flange and Face Kits for DC Metric (IEC) Frame Motors. An advantage of LEESON'S modular design concept is the possible use of a different diameter B5 flange or B14 face than is normally assigned to a motor by IEC dimensional standards. This flexibility makes it possible to accommodate a wide variety of gear reducers, pumps and similar close coupled motor mounted loads.



B5 Flange Kits (For DC Metric Motors Only)

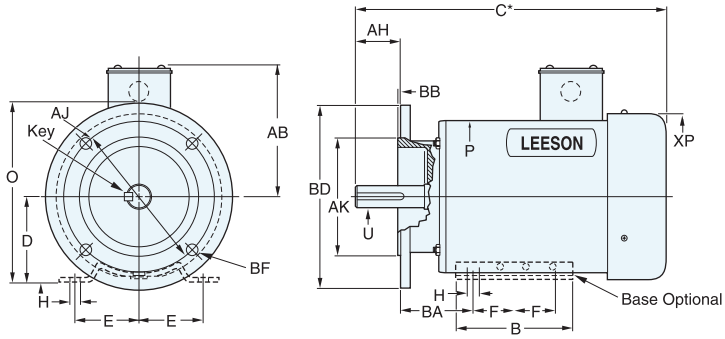
IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	**175106.00**	84	2	110	9	130	160
80	**175108.00**	84	3	130	12	165	200
90S/90L	**175108.00**	84	3	130	12	165	200
100L/112M	**175137.00**	206	5	180	15	215	250

Specifications are subject to change without notice

B14 Face Kits (For DC Metric Motors Only)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	**175107.00**	84	1	70	6	85	105
80	**175109.00**	84	1	80	6	100	120
90S/90L	**175129.00**	84	1	95	6	115	140
100L/112M	**175130.00**	206	2	110	6	130	160

Specifications are subject to change without notice



*For overall length, see motor listing.

IEC Frame Dimensions (Millimeters)

IEC Frame	Mounting					Shaft						B14 Face/B5 Flange					General			
	2E	2F	BA	D	H	U	AH✧	KEY	S	R	TAP	AJ	AK	BD	BF	BB	AB	XP	B	O
56	90	71	36	56	6	9	20	15	3	7.0	M3	65 100	50 80	80 120	M5 7	2.5 2.5	83	96	90	99
63	100	80	40	63	7	11	23	19	4	9.0	M4	75 115	60 95	90 140	M5 9	2.5 3.0	116	96	96	108
71	112	90	45	71	7	14	30	26	5	11.5	M5	85 130	70 110	105 160	M6 9	2.5 3.5	114	130	105	132
80	125	100	50	80	10	19	40	33	6	16.0	M6	100 165	80 130	120 200	M6 12	3.0 3.5	124	149	127	151
90S	140	100	56	90	10	24	50	36	8	20.5	M8	115 165	95 130	140 200	M8 12	3.0 3.5	135	182	152	173
90L	140	125	56	90	10	24	50	36	8	20.5	M8	115 165	95 130	140 200	M8 12	3.0 3.5	135	182	152	173
100L	160	140	63	100	12	28	60	41	8	24.5	M10	130 215	110 180	160 250	M8 15	3.5 4.0	135	182	176	173
112M	190	140	70	112	12	28	60	41	8	24.5	M10	130 215	110 180	160 250	M8 15	3.5 4.0	162	231	176	225

✧ Without face or flange AH shaft dimension is 12mm longer.

Specifications are subject to change without notice

IEC Metric Motors

DC Metric Motors

Low Voltage - DC Metric - IP 54

General Specifications:

- Built to IEC 34-1 electrical and mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 and 80 frames only

Features:

- Cast aluminum conduit box
- Terminal board provided for connections
- All metric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 and 80 frames only

24 Volt - TEFC/TENV - Modular Design

HP/kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	DC Voltage	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/12/0.06	3000	56	**M1110025.00**	√	388	980.543	5	24	3.3	5.34	S, US, 12, >
1/12/0.06	1750	56	**M1110026.00**	√	437	980.544	6	24	3.4	6.34	S, US, 12, >
1/4/0.18	3000	63	**M1130206.00**	√	494	CIM34D30FD2	13	24	11.0	7.75	S, US, ☐
1/4/0.18	3000	63	**M1130296.00**	√	494	CIM34D30FC7	9	24	11.0	7.75	S, US, >
1/4/0.18	1750	63	**M1130207.00**	√	565	CIM34D18FD6	13	24	10.0	8.75	S, US, ☐
1/4/0.18	1750	63	**M1130297.00**	√	565	CIM34D18FC10	9	24	10.0	8.75	S, US, >
1/4/0.18	1750	71	**098065.00**	√	677	42D17FT6	19	24	11.0	10.77	S, US
1/2/0.37	3000	71	**098066.00**	√	700	42D34FT7	23	24	20.0	11.27	S, US
1/2/0.37	1750	71	**098067.00**	√	741	42D17FT7	23	24	20.0	12.27	S, US
1/0.75	3000	80	**108456.00**	√	814	4D34FT5	33	24	40.0	14.14	S, US, 35
1/0.75	1750	80	**108455.00**	√	951	4D17FT6	52	24	39.0	14.64	S, US, 35
1 1/2/1.1	3000	80	**108457.00**	√	903	4D34FT6	33	24	65.0	15.64	S, US, 35
2/1.5	3000	80	**108458.00**	√	1,039	4D34FT7	43	24	78.0	17.14	S, US, 35

Note 12 - TENV
Note 35 - Terminal bolts at 12:00

♥ Note listing on inside back flap
Specifications are subject to change without notice

IMPORTANT: IEC 71 and 80 frame motors in this chart are round body and require either B14 face, B5 flange or B3 foot from kits shown on page 314.

☐ Dedicated B5 Flange
> Dedicated B14 Face

Features:

- Specially designed low voltage DC for use in OEM applications
- Combination of features and low cost make these ideal for many uses
- IP44(TENV) enclosure
- Dedicated B14 face mount
- Rated S1 for continuous duty

12, 24 & 90 Volt - TENV - B14 Mount

HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	DC Voltage	F.L. Amps DC	♥Notes
1/15	3000	56	**980.159**	√	198	980.159	2.3	12	6.4	S, US
1/15	3000	56	**980.143**	√	198	980.143	2.3	24	3.2	S, US
1/15	3000	56	**980.549**	√	189	980.549	2.3	90	0.8	S, US
1/8	3000	56	**970.600**	√	228	970.600	3.0	12	12.0	S, US
1/8	3000	56	**970.601**	√	228	970.601	3.0	24	5.3	S, US
1/8	3000	56	**970.576**	√	228	970.576	3.0	90	1.2	S, US
1/6	3000	56	**970.620**	√	247	970.620	3.5	12	13.1	S, US
1/6	3000	56	**970.621**	√	247	970.621	3.5	24	6.8	S, US
1/6	3000	56	**970.577**	√	235	970.577	3.5	90	1.6	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

The formulas for success.

Once you get to know the LEESON® IEC motor product line you'll find a world of applications waiting for these solutions. To know the product is one thing—understanding the technical relationships with NEMA® motors is another. We are confident that the formulas below will help you when specifying a LEESON Passport Series IEC motor.

HORSEPOWER AND KILOWATTS	**HP → kW:** HP * 0.746 = kW **kW → HP:** kW * 1.3410 = HP	**Example: HP to kW** Motor: 25HP NEMA (25 * 0.746) = 18.7kW
FULL LOAD TORQUE AND HORSEPOWER	**Full Load Torque:** FL TRQ = (HP * 5252) / RPM **Horsepower:** HP = (TRQ * FL RPM) / 5252	**Example: Full Load Torque** Motor: 50HP, 1800 RPM (50 * 5252) / 1800 = 145.9 ft-lbs
NEWTON METERS AND FOOT POUNDS	**Newton Meters:** Nm = √3 * ft-lbs **Foot Pounds:** LB-FT = 1.36 * Nm *NOTE: Torque units = ft-lbs*	**Example: Ft-Lbs to Nm** Motor: 10HP, 1800 RPM = 30 ft-lbs 30 * 1.36 = 40.8 Nm
KVA/HP AND LOCKED ROTOR AMPS (STARTING AMPS)	**LRA:** LRA = (KVA/HP * 1000 * HP) / (V * √3) **KVA/HP:** KVA/HP = (√3 * V * LRA) / (1000 * HP)	**Example: LRA** Motor: 93kW (125HP), NEMA Code G, 460V (6.29 * 1000 * 125) / (460 * 1.73205) = 987 Amps **Example: KVA/HP** Motor: 93kW (125HP), NEMA Code G, 460V (1.73205 * 460 * 987) / (1000 * 125) = 6.29
KILOVOLT-AMPS AND 3-PHASE FULL LOAD AMPS	**KVA:** KVA = √3 * V * FLA / 1000 **3-Phase FLA:** FLA = (746 * HP) / (Volts * Eff. * PF * √3)	**Example: 3-Phase FLA** Motor: 93kW (125HP), 95.4% Efficiency, 86.0% PF (746 * 125) / (460 * .954 * .86 * 1.73205) = 143

DC Motors

- NEMA® DC, explosion proof, Sub-FHP, washdown, IEC and low voltage motors available
- Permanent magnet designs
- PWM or SCR rated and low voltage input voltage designs
- Removable bolt-on base
- Oversized brushes for long brush life
- Easy access to brushes
- Constant torque throughout speed range
- DC Controls available to change the speed of the motors

Applications:
DC motors are typically used in applications requiring motor speed adjustment, constant torque throughout the speed range and reversing capabilities. Applications would include: pumps, conveyors, turntables, textile machinery, treadmills, reeling equipment, sports equipment and medical equipment.

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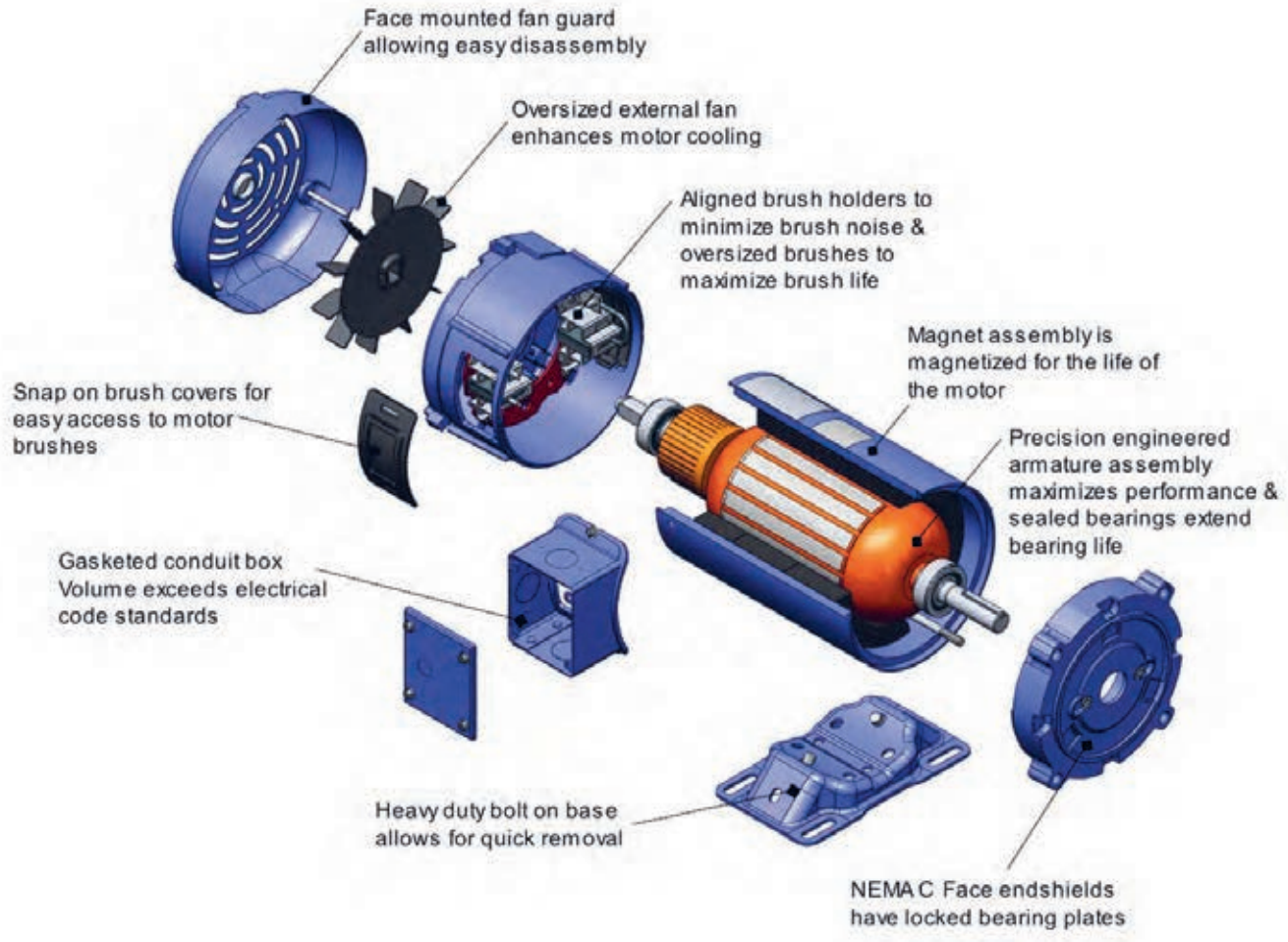
LEESON®

Mechanical / Electrical Features:

- Brush holder design provides easy access to brushes
- Large oversized brushes assure long brush life
- Removable bolt-on base
- NEMA® C face designs
- 115 or 230 volt input power ratings – 90 / 180 volt output
- Capable of dynamic braking
- PWM or SCR type controller rated
- High starting torque
- Permanently lubricated sealed bearings
- LEESON® SCR controls available to power motors
- High starting torque
- Higher HP and speed achievable using PWM type DC controls
- UL and CSA listed
- Meets NEMA MG1 standards
- Dynamically balanced armatures
- 30:1 constant torque operation



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DC Motors

NEMA® Frame - SCR Rated

TEFC - SCR Rated 90 & 180 Volts
NEMA 56C - C Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	SS56C	**098002.00**	√	666	42D17FK2	19	90	115	2.5	10.81	S, US
1/4	1750	SS56C	**098003.00**	√	666	42D17FK3	22	180	230	1.4	11.31	S, US
1/3	1750	SS56C	**098004.00**	√	706	42D17FK4	23	90	115	3.5	11.31	S, US
1/3	1750	SS56C	**098005.00**	√	706	42D17FK5	23	180	230	1.7	11.31	S, US
1/3	1140	S56C	**109098.00**	C/A	866	4D11FK5	32	90	115	3.5	12.81	S, US
1/2	2500	SS56C	**098006.00**	√	706	42D28FK1	22	90	115	5.0	10.81	S, US
1/2	2500	SS56C	**098007.00**	√	706	42D28FK2	22	180	230	2.5	10.81	S, US
1/2	1750	SS56C	**098000.00**	√	785	42D17FK1	26	90	115	5.0	11.81	S, US
1/2	1750	S56C	**108014.00**	√	824	4D17FK1	29	90	115	5.0	12.82	S, US
1/2	1750	SS56C	**098008.00**	√	785	42D17FK6	25	180	230	2.5	11.81	S, US
1/2	1750	S56C	**108015.00**	√	824	4D17FK2	30	180	230	2.5	12.82	S, US
1/2	1140	S56C	**109099.00**	√	910	4D11FK6	40	90	115	5.0	14.32	S, US
3/4	2500	SS56C	**098009.00**	√	846	42D28FK3	26	90	115	7.6	11.81	S, US
3/4	2500	S56C	**108016.00**	√	890	4D28FK3	29	90	115	7.6	12.82	S, US
3/4	2500	SS56C	**098010.00**	√	846	42D28FK4	25	180	230	3.8	11.81	S, US
3/4	2500	S56C	**108017.00**	√	890	4D28FK4	29	180	230	3.8	12.82	S, US
3/4	1750	SS56C	**098032.00**	√	954	42D17FK7	36	90	115	7.6	13.81	S, US
3/4	1750	S56C	**108018.00**	√	1004	4D17FK3	38	90	115	7.6	13.82	S, US
3/4	1750	SS56C	**098069.00**	√	954	42D17FK11	36	180	230	3.8	13.81	S, US
3/4	1750	S56C	**108019.00**	√	1004	4D17FK4	35	180	230	3.8	13.82	S, US
3/4	1140	S56C	**109100.00**	√	1,229	4D11FK7	49	90	115	7.5	15.82	S, US
1	2500	S56C	**108020.00**	√	954	4D28FK5	34	90	115	10.0	13.32	S, US
1	2500	S56C	**108021.00**	√	954	4D28FK6	38	180	230	5.0	13.82	S, US
1	1750	S56C	**108022.00**	√	1,168	4D17FK5	47	90	115	10.0	14.82	S, US
1	1750	S56C	**108023.00**	√	1,168	4D17FK6	39	180	230	5.0	14.81	S, US
1	1140	145TC	**128023.00**	C/A	2,327	C145D11FK1	82	90	115	11.0	18.84	S, US
1 1/2	2500	S56C	**108265.00**	√	1,413	4D28FK11	43	180	230	7.5	15.32	S, US
1 1/2	1750	S56C	**108092.00**	√	1,458	4D17FK10	53	180	230	7.6	16.82	S, US
1 1/2	1750	S56/145TC	**108262.00**	√	1,458	4D17FK19	54	180	230	7.6	17.39	S, US, 8
1 1/2	1750	145TC	**128000.00**	√	2,214	C145D17FK2	70	180	230	7.5	18.34	S, US
2	2500	S56/145TC	**108266.00**	√	2,214	4D28FK12	51	180	230	8.6	17.89	S, US, 8
2	1750	145TC	**128010.00**	√	2,644	C145D17FK3	83	180	230	9.5	19.34	S, US
2	1750	182/145TC	**128001.00**	√	2,644	C182D17FK3	84	180	230	9.5	19.34	S, US, 61
3	1750	182/145TC	**108502.00**	√	3,681	182D17FK2	88	180	230	14.0	21.75	S, US, 61

If base is removed, do not reinstall bolts without using washers to compensate for thickness of base.

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

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TEFC - SCR Rated 90 & 180 Volts
NEMA 56C - C Face Less Base*

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	SS56C	**098377.00**	√	642	42D17FC29	19	90	115	2.5	10.81	S, US
1/3	1750	SS56C	**098378.00**	√	684	42D17FC30	23	90	115	3.5	11.31	S, US
1/2	1750	SS56C	**098379.00**	√	762	42D17FC31	29	90	115	5.0	11.81	S, US
3/4	1750	SS56C	**098380.00**	√	931	42D17FC32	38	90	115	7.6	13.81	S, US
1	1750	S56C	**109096.00**	√	1,142	4D17FC42	47	90	115	10.0	14.82	S, US
1	1750	S56C	**109097.00**	√	1,142	4D17FC43	39	180	230	5.0	14.82	S, US

No tapped holes provided for attaching a bolt-on base.

♥ Note listing on inside back flap
Specifications are subject to change without notice

All necessary parts to mount listed tachometers to stock TEFC SCR motors. Consists of machined cast fan cover, coupling and hardware. Does not include tachometer. Tach adapter kit is not suitable for catalog number 108502.00.

Tachometer Mounting Kits For DC Motors

Tachometer Type	NEMA Frame	IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)
GE 5PY Series	SS56	71	**175156.00**	301	5
	56/145	90	**175158.00**	617	5
Servo-tek	SS56	71	**175157.00**	317	8
SA740 Series	56/145	90	**175159.00**	704	8

No tachometer mounting kit available for S56C motors

Specifications are subject to change without notice

Motors with S56C or SS56C frame sizes may be converted to 42/48 C face using the following:

Modification Kits

Frame	Catalog Number	List Price
S56C	**175080.00***	40

* Addition of base kit will result in non-NEMA BA dimension of 2 3/4". Addition of C face kit will result in conduit box located at 1 o'clock facing lead end.

† For S56 frame endshield mounted brush cover motors
Specifications are subject to change without notice

DC motors in NEMA S56C frame may be converted to 48 base using the following:

Frame	Catalog Number	List Price
S56C	**175082.00***	51
S56C	**175802.00*†**	51

* Additon of base kit will result in non-NEMA BA dimension of 2 3/4. Addition of C face kit will result in conduit box located at 1 o'clock facing lead end

† For S56 frame endshield mounted brush cover motors
Specifications are subject to change without notice

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DC Motors

Explosion-Proof - SCR Rated

Application Notes:

These motors must be applied in accordance with the National Electrical Code, Article #500. For a listing of explosive agents, consult NFPA Publication 497M.

General Specifications:

- Approved for application in hazardous environments where certain explosive gases or materials are present

Features:

- Rugged mechanical construction
- Meets all safety requirements
- UL and CSA listed
- Leads exit thru 3/4"-14 NPT pipe nipple at top of frame opposite shaft end
- Optional Conduit box available - use Kit 175026.00
- Pilot duty thermostats - standard (connect to SCR control)
- Thermostats rated for continuous duty with full wave SCR (thyristor) controls
- Double shielded, pre-lubricated ball bearings - standard
- Easy brush access for field service

Explosion-Proof - Class I, Groups C & D – Class II, Groups F & G
90 & 180 Volt - TEFC - C Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3	1750	S56C	**118015.00**	√	2,556	C6D17EK1	27	90	115	3.5	13.41	S, US
1/2	1750	S56C	**118016.00**	√	2,886	C6D17EK2	30	90	115	4.7	14.41	S, US
1/2	1750	S56C	**118017.00**	√	2,886	C6D17EK3	32	180	230	2.5	14.41	S, US
3/4	1750	S56C	**118018.00**	√	3,576	C6D17EK4	40	90	115	7.1	16.41	S, US
3/4	1750	S56C	**118019.00**	√	3,576	C6D17EK5	36	180	230	3.3	16.41	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Low Voltage DC Explosion Proof Motors

- Division 1 and 2, Class 1 (Groups C and D), Class II (Groups F and G) and Class III
- Removable base
- Class H insulation
- Optional conduit box available - use kit 175026.00

12 and 24 Volts - TENV - Rigid C Face

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F.L. Amps DC	Torque (lb-in)	"C" Dim. (Inches)	♥Notes
1/3	1750	56C	**118054.00**	√	3,359	C6D17EK6	19	12	28.0	12.0	10.38	S, US
1/3	1750	56C	**118055.00**	√	3,359	C6D17EK7	24	24	13.4	12.0	10.38	S, US
3/4	1750	56C	**118056.00**	√	4,258	C6D17EK8	33	24	28.2	27.0	13.38	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

NEMA Frame - Washguard® Duty - 90 & 180 Volts

General Specifications:

- Extended life in wet, high humidity applications - IP55
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- Frame, base, endshields, armature and interior components protected by enamel and polyester compounds of outstanding adhesion and resistance to moisture, acids, alkalies and oil

Features:

- 303 stainless steel shaft resists corrosion
- Lubricated spring loaded contact seals prevent moisture from entering the motor
- Patented "V" ring forsheda seal deflects water
- Double sealed, oversize bearings with high temp lubricant
- Exterior and interior components protected against moisture, acids, alkalies and oil
- Cast conduit box for superior sealing includes:
  - Threaded entrance
  - Drain holes
  - Nitrile gaskets
- 304 stainless steel conduit box cover and fan cover
- Re-positionable drain plugs for use in multiple mounting positions
- Nylon seals at bolt heads for superior sealing
- Machined fits throughout
- Stainless steel data plate
- Chemically inert, static free fan with positive mounting ensures it won't move
- Stainless steel fan guard
- USDA approved white epoxy finish

90 & 180 Volts - Totally Enclosed - C Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	**108423.00**	√	854	C4D17VK9	23	90	115	2.7	10.69	S, US
1/4	1750	S56C	**098375.00**	CA	854	C42D17VK1	21	180	230	1.4	10.22	S, US
1/3	1750	S56C	**108424.00**	√	903	C4D17VK10	26	90	115	3.5	11.69	S, US
1/3	1750	S56C	**098376.00**	C/A	903	C42D17VK2	22	180	230	1.7	10.22	S, US
1/2	1750	S56C	**108226.00**	√	1,013	C4D17VK1	38	90	115	4.9	13.69	S, US
1/2	1750	S56C	**108227.00**	√	1,013	C4D17VK2	43	180	230	2.4	13.69	S, US
3/4	1750	S56C	**108228.00**	√	1,229	C4D17VK3	53	90	115	7.0	15.69	S, US
3/4	1750	S56C	**108229.00**	√	1,229	C4D17VK4	50	180	230	3.5	15.69	S, US
1	1750	S56C	**108230.00**	√	1,497	C4D17WK1	45	90	115	10.0	15.81	S, US
1	1750	S56C	**108231.00**	√	1,497	C4D17WK2	42	180	230	5.0	14.81	S, US
1 1/2	1750	S56C	**108232.00**	√	1,913	C4D17WK3	50	180	230	7.6	15.81	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Washguard® - IEC Frame - TENV IP55

180 Volts - TENV - B5 Flange With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/2 - .37	1750	71	**098040.00**	C/A	895	42D17VD1	22	180	230	2.5	10.69	S, US
3/4 - .55	1750	80	**108407.00**	D	1,213	4D17VD1	52	180	230	3.5	16.02	S, US

If base is removed, do not reinstall bolts without using washers to compensate for the thickness of base. These Washguard motors are modular design but stocked with B5 flange and B3 foot. The foot is removable. The B5 flange can be replaced with a B14 face or other diameter B5 flanges noted on page 314.

♥ Note listing on inside back flap
Specifications are subject to change without notice

D - Item to be discontinued when inventory is depleted
C/A - Check Availability

DC Motors

Sub-FHP - SCR Rated

General Specifications:

Precision subfractional horsepower DC permanent magnet motors designed for use with full wave non-filtered SCR controls for adjustable speed applications requiring dynamic braking and constant torque throughout the speed range.

Features:

- Compact, space saving design
- Ball bearing construction
- Long life brushes
- External access to brushes allows for easy replacement further prolonging motor life
- Conduit box standard on 31 and 34 frame models
- Continuous duty with full wave un-filtered rectified SCR (thyristor) controls
- Linear speed torque characteristics throughout the speed range
- High starting torques
- Reversible rotation

90 & 180 Volt - TENV/TEFC - Square Flange or C Face

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	♥Notes
1/25	3500	25AS	**M1110014.00**	√	298	980.533	3	90	115	0.5	S, US, 12
1/25	1750	25CS	**M1110003.00**	√	309	980.535	3	90	115	0.5	S, US, 12
1/15	3500	25CS	**M1110015.00**	√	319	980.539	5	90	115	0.7	S, US, 12
1/15	1750	31BS	**M1120013.00**	√	331	CM31D17NZ1	5	90	115	0.8	S, US, 12
1/15	1750	31BS	**M1120039.00**	√	331	CM31D17NZ5	7	180	230	0.4	S, US, 12
1/10	3500	31BS	**M1120060.00**	√	331	CM31D35NZ4	5	90	115	1.3	S, US, 12
1/10	1750	31CS	**M1120014.00**	√	392	CM31D17NZ2	7	90	115	1.1	S, US, 12
1/10	1750	31CS	**M1120041.00**	√	392	CM31D17NZ7	7	180	230	0.6	S, US, 12
1/8	3500	31CS	**M1120059.00**	√	392	CM31D35NZ3	6	90	115	1.5	S, US, 12
1/8	1750	31ES	**M1120027.00**	√	424	CM31D18NZ10	7	90	115	1.3	S, US, 12
1/8	1750	31ES	**M1120045.00**	√	424	CM31D17NZ11	7	180	230	0.7	S, US, 12
1/8	1750	34D42CZ	**M1130053.00**	√	439	CM34D17NC5	8	90	115	1.4	S, US, 12
1/8	1750	34D42CZ	**M1130118.00**	√	439	CM34D17NC8	7	180	230	0.7	S, US, 12
1/6	3500	31ES	**M1120058.00**	√	424	CM31D35NZ6	9	90	115	1.9	S, US, 12
1/6	1750	31GS	**M1120042.00**	√	428	CM31D17NZ8	9	90	115	1.8	S, US, 12
1/6	1750	31GS	**M1120043.00**	√	428	CM31D17NZ9	11	180	230	0.9	S, US, 12
1/6	1750	34E56C	**M1130054.00**	√	448	CM34D17NC6	11	90	115	1.7	S, US, 12
1/6	1750	34E56C	**M1130119.00**	C/A	448	CM34D17NC9	11	180	230	0.9	S, US, 12
1/4	3500	31GS	**M1120062.00**	√	447	CM31D35NZ5	9	90	115	2.6	S, US, 12
1/4	1750	34G56C	**M1130055.00**	√	464	CM34D17FC2	13	90	115	2.7	S, US, 13
1/4	1750	34G56C	**M1130120.00**	√	464	CM34D17FC4	13	180	230	1.3	S, US, 13

25 frame motors have provisions for an optional conduit box catalog number M1760000.00, see page 356.

♥ Note listing on inside back flap
Specifications are subject to change without notice

C/A = Check Availability
Note 12 - TENV
Note 13 - TEFC

Application Notes:

LEESON® Washguard® motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Washguard motors retard the entrance of water. Extra protection for the motor's interior prevents rust and corrosion build-up and releases trapped moisture to insure a longer life than possible with a standard motor.

General Specifications:

Precision subfractional horsepower DC permanent magnet motors. Designed for use with fullwave nonfiltered SCR controls or battery supplied low voltage for adjustable speed applications requiring constant torque throughout the speed range.

Features:

- 303 Stainless steel shaft resists corrosion
- Lubricated spring loaded contact seals prevent moisture from entering the motor
- Double sealed, oversize bearings with high temp lubricant
- Exterior and interior components protected against moisture, acids, alkalies and oil
- Cast conduit box for superior sealing includes:
  - Threaded entrance
  - Drain holes
  - Nitrile gaskets
- 304 stainless steel conduit box cover
- Stainless steel hardware
- USDA approved white epoxy finish
- Nylon seals at bolt heads for superior sealing
- O ring sealed brush covers

90 Volt - TENV - Square Flange or C Face

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	♥Notes
1/8	1750	31S	**M1120181.00**	√	531	CM31D17V21	11	90	115	1.5	S, US
1/6	1750	31S	**M1120183.00**	√	538	CM31D17V23	11	90	115	1.9	S, US
1/4	2500	32F42CZ	**M1120185.00**	√	586	CM32D25VC1	13	90	115	1.9	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volt - TENV - Square Flange or C Face

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F.L. Amps DC	♥Notes
1/8	1750	31S	**M1120182.00**	√	553	CM31D17VZ2	7	12	11	S, US
1/6	1750	31S	**M1120184.00**	√	560	CM31D17VZ4	11	12	15	S, US
1/4	2500	32F42CZ	**M1120186.00**	√	608	CM32D25VC2	13	12	20	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

DC Motors

METRIC (IEC) Frame - SCR Rated - IP54

Application Notes:

Please note that one or more of the mounting kits must be used with IEC motors of these frame sizes. See listing on next page for B5 flange and B14 face kits. B3 rigid base kits are listed below.

General Specifications:

- Built to IEC 34-1 electrical and mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 frame only

Features:

- Cast aluminum conduit box
- Terminal board provided for connections
- All metric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 frame only

180 Volts - Totally Enclosed - B5 Flange

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
0.06/1/12	1800	56	**M1130146.00**	C/A	475	CIM34D18ND1	8	180	230	0.5	6.24	S, US, 12
0.09/1/8	3000	56	**M1130150.00**	√	475	CIM34D30ND1	9	180	230	0.7	6.74	S, US, 12
0.09/1/8	1800	56	**M1130147.00**	√	509	CIM34D18ND2	10	180	230	0.7	7.55	S, US, 12
0.12/1/6	3000	56	**M1130151.00**	√	493	CIM34D30ND2	9	180	230	0.9	7.55	S, US, 12
0.12/1/6	1800	63	**M1130148.00**	√	583	CIM34D18FD1	7	180	230	0.9	8.30	S, US, 13
0.18/1/4	3000	63	**M1130152.00**	√	538	CIM34D30ND3	11	180	230	1.3	8.78	S, US, 12
0.18/1/4	1800	63	**M1130149.00**	√	626	CIM34D18FD2	13	180	230	1.3	9.50	S, US, 13
0.25/1/3	3000	63	**M1130153.00**	√	597	CIM34D30FD1	11	180	230	1.7	9.50	S, US, 13

These motors have accommodations for B3 base mountings with the kits listed on page 314.

♥ Note listing on inside back flap
Specifications are subject to change without notice

C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

180 volts - Totally Enclosed - B14 Flange

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
0.06/1/12	3000	56	**M1110024.00**	√	425	980.542	6	180	230	0.4	6.34	S, US, 12
0.06/1/12	1800	56	**M1130136.00**	√	475	CIM34D18NC5	8	180	230	0.5	6.24	S, US, 12
0.09/1/8	3000	56	**M1130140.00**	√	475	CIM34D30NC1	9	180	230	0.7	6.74	S, US, 12
0.09/1/8	1800	56	**M1130137.00**	√	509	CIM34D18NC6	14	180	230	0.7	7.55	S, US, 12
0.12/1/6	3000	56	**M1130141.00**	√	493	CIM34D30NC2	10	180	230	0.9	7.55	S, US, 12
0.12/1/6	1800	63	**M1130138.00**	√	583	CIM34D18FC1	8	180	230	0.9	8.30	S, US, 13
0.18/1/4	3000	63	**M1130142.00**	√	538	CIM34D30NC3	10	180	230	1.3	8.78	S, US, 12
0.18/1/4	1800	63	**M1130139.00**	√	626	CIM34D18FC2	10	180	230	1.3	9.50	S, US, 13
0.25/1/3	3000	63	**M1130143.00**	√	597	CIM34D30FC1	10	180	230	1.7	9.50	S, US, 13

Except for M1110024.00, these motors have accommodations for B3 base mountings with kits - see page 314.

♥ Note listing on inside back flap
Specifications are subject to change without notice

Note 12 - TENV
Note 13 - TEFC

TEFC - SCR Rated 180 Volts - Round Body

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
0.25/1/3	1800	71	**098014.00**	√	623	42D17FT1	23	180	230	1.7	11.28	S, US
0.37/1/2	3000	71	**098016.00**	√	665	42D34FT1	21	180	230	2.5	10.78	S, US
0.37/1/2	1800	71	**098015.00**	√	706	42D17FT2	26	180	230	2.5	11.78	S, US
0.55/3/4	3000	71	**098017.00**	√	765	42D34FT2	24	180	230	3.6	11.78	S, US
0.55/3/4	1800	80	**108369.00**	√	874	4D17FT1	34	180	230	3.5	14.64	S, US
0.75/1	3000	80	**108372.00**	√	874	4D34FT1	45	180	230	4.9	14.64	S, US
0.75/1	1800	80	**108370.00**	√	1,079	4D17FT2	48	180	230	4.6	17.14	S, US
1.1/11/2	3000	80	**108373.00**	√	967	4D34FT2	47	180	230	7.1	16.14	S, US
1.1/11/2	1800	80	**108371.00**	√	1,424	4D17FT3	52	180	230	7.0	17.14	S, US
1.1/11/2	1800	90L	**118007.00**	√	2,121	CI6D17FT1	64	180	230	7.5	18.97	S, US
1.5/2	3000	90L	**118009.00**	√	2,121	CI6D34FT1	72	180	230	10.0	18.47	S, US
1.5/2	1800	90L	**118008.00**	√	2,545	CI6D17FT2	84	180	230	9.5	20.47	S, US
2.2/3	3000	90L	**118010.00**	√	2,545	CI6D34FT2	82	180	230	16.0	19.47	S, US
2.2/3	1800	112M	**118014.00**	√	3,552	CI6D17FK1	90	180	230	14.0	21.79	S, US

IMPORTANT: These round body motors require either a B3 rigid base, B14 face or B5 flange kit - see page 314. Catalog number 118014.00 comes complete with IEC 112 B14 face and B3 foot; shaft diameter is 24mm.

♥ Note listing on inside back flap
Specifications are subject to change without notice

DC Motors

Metric (IEC) Frame - SCR Rated

(For DC Metric Motors Only)
All motors are stocked with provisions to accommodate B3 foot mountings with the packages noted below.

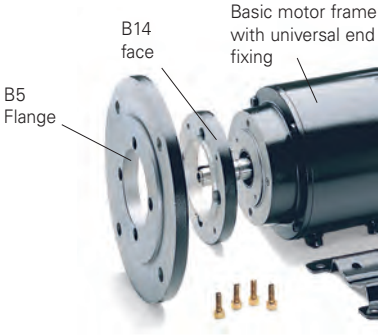
B3 Foot Mounting Kits

IEC Frame	Catalog Number	List Price
56	**175142.00**	70
63	**175143.00**	70
71	**175144.00**	76
80	**175145.00**	82
80	**175784.00†**	82
90	**175146.00**	52

† For endshield mounted brush cover motors

Flange Kits

Flange and face kits for DC Metric (IEC) frame motors. An advantage of LEESON'S modular design concept is the possible use of a different diameter B5 flange or B14 face than is normally assigned to a motor by IEC dimensional standards. This flexibility makes it possible to accommodate a wide variety of gear reducers, pumps and similar close coupled motor mounted loads.



B5 Flange Kits (For DC Metric Motors Only)

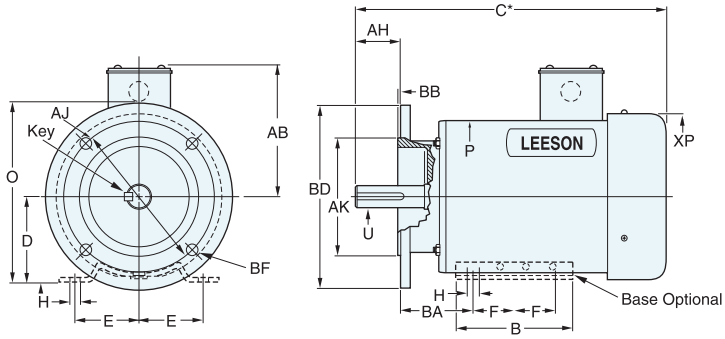
IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	**175106.00**	84	2	110	9	130	160
80	**175108.00**	84	3	130	12	165	200
90S/90L	**175108.00**	84	3	130	12	165	200
100L/112M	**175137.00**	206	5	180	15	215	250

Specifications are subject to change without notice

B14 Face Kits (For DC Metric Motors Only)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	**175107.00**	84	1	70	6	85	105
80	**175109.00**	84	1	80	6	100	120
90S/90L	**175129.00**	84	1	95	6	115	140
100L/112M	**175130.00**	206	2	110	6	130	160

Specifications are subject to change without notice



*For overall length, see motor listing.

IEC Frame Dimensions (Millimeters)

IEC Frame	Mounting					Shaft						B14 Face/B5 Flange					General			
	2E	2F	BA	D	H	U	AH✧	KEY	S	R	TAP	AJ	AK	BD	BF	BB	AB	XP	B	O
56	90	71	36	56	6	9	20	15	3	7.0	M3	65 100	50 80	80 120	M5 7	2.5 2.5	83	96	90	99
63	100	80	40	63	7	11	23	19	4	9.0	M4	75 115	60 95	90 140	M5 9	2.5 3.0	116	96	96	108
71	112	90	45	71	7	14	30	26	5	11.5	M5	85 130	70 110	105 160	M6 9	2.5 3.5	114	130	105	132
80	125	100	50	80	10	19	40	33	6	16.0	M6	100 165	80 130	120 200	M6 12	3.0 3.5	124	149	127	151
90S	140	100	56	90	10	24	50	36	8	20.5	M8	115 165	95 130	140 200	M8 12	3.0 3.5	135	182	152	173
90L	140	125	56	90	10	24	50	36	8	20.5	M8	115 165	95 130	140 200	M8 12	3.0 3.5	135	182	152	173
100L	160	140	63	100	12	28	60	41	8	24.5	M10	130 215	110 180	160 250	M8 15	3.5 4.0	135	182	176	173
112M	190	140	70	112	12	28	60	41	8	24.5	M10	130 215	110 180	160 250	M8 15	3.5 4.0	162	231	176	225

✧ Without face or flange AH shaft dimension is 12mm longer.

Specifications are subject to change without notice

DC Motors

NEMA® Frame - Low Voltage 12, 24, 36 & 48 VOLTS

General Specifications:

- Low voltage PMDC design suitable for battery, solar powered or generator supplied low voltage applications

Features:

- Oversized brushes for long life
- External access to brushes allows for easy replacement further prolonging motor life
- Heavy-duty, stamped steel, bolt on base (removable)
- NEMA® C face mounting flange at no additional cost
- High strength rolled steel frame
- Rugged die cast endshields with steel bearing inserts
- Permanently lubricated sealed ball bearings
- Convert to NEMA 48 frame base dimensions or NEMA 42/48 frame C face dimensions with modification kits shown below
- High starting torques for heavy load applications
- Linear speed torque characteristics throughout the speed range
- Capable of dynamic braking for faster stops
- Reversible rotation
- Simple two lead connection

12, 24, 36 & 48 Volts - TENV / TEFC - C Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	**108045.00**	√	713	4D17NK5	21	12	21.0	10.27	S, US, 12, 15
1/3	1800	S56C	**108046.00**	√	784	4D17NK6	24	12	27.0	10.77	S, US, 12, 15
1/3	1800	S56C	**108050.00**	√	751	4D17NK9	22	24	13.5	10.77	S, US, 12, 15
1/2	1800	S56C	**108047.00**	√	816	4D17NK7	29	12	39.0	11.77	S, US, 12, 15
1/2	1800	S56C	**108051.00**	√	778	4D17NK10	29	24	20.0	11.77	S, US, 12, 15
1/2	1800	SS56C	**098381.00**	√	741	42D18FK6	29	36	13.5	10.81	S, US
1/2	1800	SS56C	**098382.00**	√	716	42D18FK7	29	48	11.0	10.81	S, US
3/4	1800	S56C	**108048.00**	√	899	4D17FK7	30	12	58.0	13.82	S, US, 35
3/4	1800	S56C	**108052.00**	√	815	4D17FK8	30	24	29.0	12.82	S, US
1	1800	S56C	**108322.00**	√	1,072	4D17FK28	39	12	80.0	13.81	S, US, 35
1	1800	S56C	**108053.00**	√	987	4D17FK9	37	24	39.0	13.82	S, US, 35
1	1800	S56C	**109101.00**	√	946	4D18FK1	37	36	25.5	13.81	S, US
1	1800	S56C	**109102.00**	√	912	4D18FK2	37	48	18.5	13.81	S, US
1 1/2	1800	S56CZ	**109103.00**	√	1,440	4D18FK3	39	24	60.0	15.25	S, US, 35, 9
1 1/2	1800	S56CZ	**109104.00**	√	1,422	4D18FK4	37	36	36.0	17.38	S, US, 35, 9
1 1/2	1800	S56CZ	**109105.00**	√	1,373	4D18FK5	37	48	27.0	17.38	S, US, 35, 9
2	1800	S56CZ	**109106.00**	√	1,803	4D18FK6	42	24	70.0	16.74	S, US, 35, 9
2	1800	S56CZ	**109107.00**	√	1,667	4D18FK7	42	36	49.0	16.74	S, US, 35, 9
2	1800	S56CZ	**109108.00**	√	1,602	4D18FK8	42	48	38.0	16.74	S, US, 35, 9

If base is removed, do not reinstall bolts without using washers to compensate for thickness of base.

♥ Note listing on inside back flap
Specifications are subject to change without notice

Note 12 - TENV
Note 15 - Built in conduit box
Note 35 - Terminal studs at 12:00

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LEESON®

General Specifications:

- Extended life in wet, high humidity applications - IP55
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- Frame, base, end shields, armature and interior components protected by enamel and polyester compounds of outstanding adhesion and resistance to moisture, acids, alkalies and oil

Features:

- 303 stainless steel shaft resist corrosion
- Lubricated spring loaded contact seals prevent moisture from entering the motor
- Patented "V" ring forsheda seal deflects water
- Double sealed, oversize bearings with high temp lubricant
- Exterior and interior components protected against moisture, acids, alkalies and oil
- TENV designs have built in conduit box. Motor 109301.00 has terminal box. Other TEFC models utilize watertight terminal posts
- 304 stainless steel conduit box cover and fan cover
- Re-positionable drain plugs for use in multiple mounting positions
- Nylon seals at bolt heads for superior sealing
- Machined fits throughout
- Stainless steel data plate
- Chemically inert, static free fan on TEFC designs with positive mounting ensures it won't move
- Stainless steel fan guard
- USDA approved white epoxy finish

DC - Low Voltage Rated 12 & 24 Volts - IP55- C Face with Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	**109296.00**	√	854	C4D18VK37	23	12	21.0	10.27	S, US, 12
1/3	1800	S56C	**109297.00**	√	903	C4D18VK38	26	12	27.0	10.77	S, US, 12
1/2	1800	S56C	**109298.00**	√	1,013	C4D18VK39	38	12	39.0	11.77	S, US, 12
1/2	1800	S56C	**109299.00**	√	983	C4D18VK40	43	24	20.0	11.77	S, US, 12
3/4	1800	S56C	**109300.00**	√	1,229	C4D18WK16	53	12	58.0	13.82	S, US, 13
3/4	1800	S56C	**109301.00**	√	1,197	C4D18WK17	50	24	29.0	12.82	S, US, 13
1	1800	S56C	**109302.00**	√	1,497	C4D18WK18	45	12	80.0	13.81	S, US, 13
1	1800	S56C	**109303.00**	√	1,453	C4D18WK19	42	24	39.0	13.82	S, US, 13
1 1/2	1800	S56CZ	**109304.00**	√	1,913	C4D18WK20	50	24	60.0	15.25	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
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DC Motors

Low Voltage - DC Metric - IP54

General Specifications:

- Built to IEC 34-1 electrical and mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 frames only

Features:

- Terminal board provided for connections
- All Mmetric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 frames only

24 Volt - TEFC/TENV - Modular Design

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	DC Voltage	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
0.06/1/12	3000	56	**M1110025.00**	√	388	980.543	5	24	3.3	5.34	S, US, 12,>
0.06/1/12	1800	56	**M1110026.00**	√	437	980.544	6	24	3.4	6.34	S, US, 12,>
0.18/1/4	3000	63	**M1130206.00**	√	494	CIM34D30FD2	13	24	11	7.75	S, US, ♠
0.18/1/4	3000	63	**M1130296.00**	√	494	CIM34D30FC7	9	24	11	7.75	S, US, >
0.18/1/4	1800	63	**M1130207.00**	√	565	CIM34D18FD6	13	24	10	8.75	S, US, ♠
0.18/1/4	1800	63	**M1130297.00**	√	565	CIM34D18FC10	9	24	10	8.75	S, US, >
0.18/1/4	1800	71	**098065.00**	√	677	42D17FT6	19	24	11	10.77	S, US
0.37/1/2	3000	71	**098066.00**	√	700	42D34FT7	23	24	20	11.27	S, US
0.37/1/2	1800	71	**098067.00**	√	741	42D17FT7	23	24	20	12.27	S, US
0.75/1	3000	80	**108456.00**	√	814	4D34FT5	33	24	40	14.14	S, US, 35
0.75/1	1800	80	**108455.00**	√	951	4D17FT6	52	24	39	14.64	S, US, 35
1.1/11/2	3000	80	**108457.00**	√	903	4D34FT6	33	24	65	15.64	S, US, 35
1.5/2	3000	80	**108458.00**	√	1,039	4D34FT7	43	24	78	17.14	S, US, 35

IMPORTANT: IEC 71 and 80 frame motors in this chart are round body and require either B14 face, B5 flange or B3 foot from kits shown on page 314.

♥ Note listing on inside back flap
Specifications are subject to change without notice

Note 12 - TENV
Note 35 - Terminal bolts at 12:00
Note ♠ - Dedicated B5 Flange
Note > - Dedicated B14 Face

General Specifications:

- Low voltage PMDC design suitable for battery, solar powered or generator supplied low voltage applications

Features:

- Compact, space saving design
- Standard conduit box simplifies connections
- Ball bearing construction
- Long life brushes
- External access to brushes allows for easy replacement further prolonging motor life
- High starting torques
- Linear speed torque characteristics throughout the speed range
- Capable of dynamic braking for faster stops
- Reversible rotation
- Simple two lead connection
- Class F insulated with high temperature welded commutators

12 & 24 Volts - TENV - Square Flange

HP	Full Load RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F.L. Amps DC	♥Notes
1/20	1750	25CS	**M1110006.00**	√	282	980.536	3	12	4.4	S, US, *
1/10	4200	25CS	**M1110006.00**	√	282	980.536	3	24	4.4	S, US, *
1/14	1750	31AS	**M1120040.00**	√	331	M31D17NZ6	4	12	7.7	S, US
1/7	4200	31AS	**M1120040.00**	√	331	M31D17NZ6	4	24	7.7	S, US
1/7	1750	31ES	**M1120044.00**	√	437	M31D17NZ10	9	12	13.0	S, US
1/4	3500	31ES	**M1120044.00**	√	437	M31D17NZ10	9	24	13.0	S, US
1/6	1750	31GS	**M1120046.00**	√	463	M31D17NZ26	8	12	14.0	S, US
1/3	3900	31GS	**M1120046.00**	√	463	M31D17NZ26	8	24	14.0	S, US

These motors may be operated at 12, 24V, or at intermediate voltages between 12 and 24V, within horsepower ranges noted.

♥ Note listing on inside back flap
Specifications are subject to change without notice

Note * - Provision for optional conduit box - M1760000.00

DC Motors

Low Voltage Commercial Duty Metric (IEC) Frame Motors

Features:

- Specially designed low voltage DC for use in OEM applications
- Combination of features and low cost make these ideal for many uses
- IP44 (TENV) enclosure
- Dedicated B14 face mount
- Continuous duty

12, 24V & 90 Volt - TENV - B14 Mount

HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F.L. Amps DC	♥Notes
1/15	3000	56	**980.159**	√	198	980.159	2.3	12	6.4	S, US
1/15	3000	56	**980.143**	√	198	980.143	2.3	24	3.2	S, US
1/15	3000	56	**980.549**	√	189	980.549	2.3	90	0.8	S, US
1/8	3000	56	**970.600**	√	228	970.600	3.0	12	12.0	S, US
1/8	3000	56	**970.601**	√	228	970.601	3.0	24	5.3	S, US
1/8	3000	56	**970.576**	√	228	970.576	3.0	90	1.2	S, US
1/6	3000	56	**970.620**	√	247	970.620	3.5	12	13.1	S, US
1/6	3000	56	**970.621**	√	247	970.621	3.5	24	6.8	S, US
1/6	3000	56	**970.577**	√	235	970.577	3.5	90	1.6	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

DC Motors - Washguard® Motors

NEMA® and IEC Washguard® IP55
All-Stainless DC Motors - SCR Rated

TEFC - SCR Rated 90 & 180V - NEMA - C Face With Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	**109065.00**	√	1,420	4D17VK24	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	**109066.00**	√	1,501	4D17VK25	44	90	115	3.8	12.81	S, US, 12
1/3	1750	S56C	**109067.00**	√	1,501	4D17VK26	44	180	230	1.9	12.81	S, US, 12
1/2	1750	S56C	**109069.00**	√	1,754	4D17WK9	46	90	115	5.2	13.87	S, US, 13
1/2	1750	S56C	**109070.00**	√	1,754	4D17WK10	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	**109072.00**	√	2,136	4D17WK13	47	90	115	7.5	15.37	S, US, 13
3/4	1750	S56C	**109073.00**	√	2,136	4D17WK14	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	**109075.00**	√	2,478	4D17WK16	51	90	115	9.5	16.37	S, US, 13
1	1750	S56C	**109076.00**	√	2,478	4D17WK17	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V - NEMA - C Face Less Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	**109078.00**	√	1,386	4D17VC5	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	**109079.00**	√	1,468	4D17VC6	44	90	115	3.8	12.81	S, US, 13
1/3	1750	S56C	**109080.00**	√	1,468	4D17VC7	44	180	230	1.9	12.81	S, US, 13
1/2	1750	S56C	**109082.00**	√	1,722	4D17WC2	46	90	115	5.2	13.87	S, US, 13
1/2	1750	S56C	**109083.00**	√	1,722	4D17WC3	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	**109085.00**	√	2,103	4D17WC5	47	90	115	7.5	15.37	S, US, 13
3/4	1750	S56C	**109086.00**	C/A	2,103	4D17WC6	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	**109088.00**	√	2,447	4D17WC8	51	90	115	9.5	16.37	S, US, 13
1	1750	S56C	**109089.00**	√	2,447	4D17WC9	50	180	230	5.0	16.37	S, US, 13

C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

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DC Motors - Washguard® Motors

Metric (IEC) Frame PMDC Motors IP55

TEFC - SCR Rated 90 & 180V - All Stainless Steel - C Face With Base

HP/kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	**109068.00**	√	1,501	4D17VK27	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	**109071.00**	√	1,754	4D17WK11	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	**109074.00**	√	2,136	4D17WK15	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	**109077.00**	√	2,478	4D17WK18	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V - Metric (IEC) - All-Stainless Steel - C Face Less Base

HP/kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	**109081.00**	√	1,468	4D17VC8	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	**109084.00**	√	1,722	4D17WC4	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	**109087.00**	√	2,103	4D17WC7	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	**109090.00**	√	2,447	4D17WC10	50	180	230	5.0	16.37	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Flange And Face Kits for DC Metric (IEC) Frame Motors

The modular design concept of LEESON's other metric DC motors has been applied to the all-stainless metric motors. Any flange or face kit can mount on any motor. This allows the greatest flexibility from the smallest inventory of motors.

B5 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	**175593.00**	189	2	110	9	130	160
80	**175594.00**	228	3	130	12	165	200
90S/90L	**175594.00**	228	3	130	12	165	200
100L/112M	**175595.00**	356	5	180	15	215	250

B14 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	**175596.00**	144	1	70	6	85	105
80	**175597.00**	144	1	80	6	100	120
90S/90L	**175598.00**	392	1	95	6	115	140
100L/112M	**175599.00**	356	2	110	6	130	160

DC Motor Trouble-Shooting Chart

⚠ CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. Failure to follow the 4 steps listed below could result in damage to equipment or personal injury.

1. Disconnect power to the motor before performing service or maintenance.
2. Discharge all capacitors before servicing motor.
3. Keep hands and clothing away from moving parts.
4. Check that required safety guards are in place before starting equipment.

Problem	Likely Causes	What To Do
Motor fails to start upon initial installation.	Motor is miswired.	Verify that the motor is wired correctly.
	No output power from controller.	Measure voltage coming from the controller.
	Motor damaged and the fan guard is contacting the cooling fan.	Replace fan guard.
	Motor damaged and the armature is rubbing against the magnets.	Disassemble motor and see if the armature can be realigned by reassembly. Motor may have to be replaced.
Motor runs in the wrong direction.	Incorrect wiring.	Interchange the two motor leads.
Motor runs ok but has a clicking noise.	Suspect a burr on the commutator.	Stone the armature commutator with a commutator stone to remove burr.
Motor has been running, then fails to start.	Fuse or circuit breaker is tripped	Replace the fuse or reset the breaker
	Armature is shorted or went to ground. Motor may make a humming noise and the circuit breaker or fuse will trip.	Disassemble motor and inspect the armature for a burnt coil. Inspect the commutator for burnt bars. If this condition exists, the motor needs to be replaced. To test, set your OHM to the RX1 scale, touch probes to bars 180 degrees apart all around the commutator. The reading should be equal.
	The brushes may be worn down too far and no longer make contact with the commutator.	Inspect the brushes to make sure that they are still making contact with the commutator. Refer to manufacturer's recommended brush length chart.
Motor runs but loses power.	Load has increased.	Verify the load has not changed. Measure the amp draw of motor against the full load amp rating of the motor. If the amp draw is higher than rating, motor is undersized for application.
	Motor controller not properly set.	Check controller manual for adjustments. The torque and/or IR compensation settings may need adjustment.
	Motor may have an open connection.	Inspect the armature for an open connection.
	Brushes may not be seated properly or worn beyond their useful length.	Verify that the brushes are properly seated and measure their length against the recommended brush length chart.
Motor takes too long to accelerate.	Motor controller not properly set.	The accel trim pot of the controller should be adjusted.
	Brushes are worn.	Verify brush length.
	Bearings may be defective.	Inspect bearings for proper service. Noisy or rough bearings should be replaced.

Gearmotors

Quick Reference – Stock Sub-FHP Gearmotors

	AC Single & Three Phase		DC SCR & Low Voltage
Parallel Shaft PZ Series Gearmotors	Single Phase 115V 12-100 In-Lbs Output Torque Page 346	BODINE/BISON/DAYTON DIRECT INTERCHANGE	DC SCR 90 & 180V 10-100 In-Lbs Output Torque Low Voltage (12V) 36-100 In-Lbs torque Page 326
P240 & P300 Series Gearmotors	Single Phase 115/230V 43-391 In-Lbs Output Torque Page 348	BISON/DAYTON DIRECT INTERCHANGE	DC SCR 90 & 180V 27-353 In-Lbs Output Torque Low Voltage (12V) 113-353 In-Lbs torque Page 328
OS300 Series Gearmotors			DC SCR 90V and Low Voltage (12V) Output Torque 130-268 In-Lbs Page 330
PE350 Series Gearmotors	Single Phase 115/230V 25-341 In-Lbs Output Torque Three Phase 230/460V 55-320 In-Lbs Output Torque Page 350	BODINE DIRECT INTERCHANGE	DC SCR 90 & 180V 25-371 In-Lbs Output Torque Low Voltage (12V) 155-341 In-Lbs torque Page 332
P1100 Series Gearmotors	Single Phase 115/230V 70-1105 In-Lbs Output Torque Three Phase 230/460V 70-1105 In-Lbs Output Torque Page 352	BISON/DAYTON DIRECT INTERCHANGE	DC SCR 90V 105-1112 In-Lbs Output Torque Low Voltage (12V) 320-1087 In-Lbs torque Page 334
Right-Angle Worm Type 10 & 13 Series Gearmotors	Single Phase 115/230V 14-113 In-Lbs Output Torque Page 354	BODINE/DAYTON DIRECT INTERCHANGE	DC SCR 90 & 180V 5-135 In-Lbs Output Torque Low Voltage (12V) 25-135 In-Lbs torque Page 336
Bravo® Right Angle Worm Type 12 Series Gearmotors			DC SCR 90V and Low Voltage (12V) Output Torque 46-134 In-Lbs Page 338

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Gearmotors

Quick Reference – Stock Sub-FHP Washguard® Gearmotors

P300 Series Gearmotors

DC SCR 90V and Low Voltage (12V) Output Torque 44-353 In-Lbs
Page 340

PE350 Series Gearmotors

DC SCR 90V and Low Voltage (12V) Output Torque 25-341 In-Lbs
Page 342

Right-Angle 13 Series Gearmotors

DC SCR 90V and Low Voltage (12V) Output Torque 50-135 In-Lbs
Page 344

P240 Series Gearmotors

AC – Single Phase & Three Phase Washdown Duty 60-391 In-Lbs Output Torque
Page 349

BISON/DAYTON DIRECT INTERCHANGE

Right-Angle Worm Type 10 & 13 Series Gearmotors

AC – Single Phase & Three Phase Washdown Duty 23-220 In-Lbs Output Torque
Page 355

BODINE/DAYTON DIRECT INTERCHANGE

Stock Sub-FHP Three Phase Inverter Rated Gearmotors

Includes gearmotor series PZ, P240, PE350 and 13 series right-angle

Three Phase 230V 12-391 In-Lbs Output Torque
Page 358

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Gearmotors

Parallel Shaft - PZ Series - DC

SCR Rated - 10-100 In-Lbs Torque
Low Voltage - 36-100 In-Lbs Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box and PZ gearmotor mounting bracket available, see page 356.

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- Model PZ gearmotors have the same mounting dimensions as Bodine model D and Z, Baldor/Boehm, Bison 100 gearmotors, and a number of Dayton gearmotors
- For additional information, see Bulletin 1830
- **Bodine/Baldor/Boehm/Bison/Dayton direct interchange**

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90 & 180 Volts - TENV - PZ Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)				♥Notes
												P	X	XL	XH	
4	40	1/40	**M1115002.00**	√	542	985.620	PZ5-30A	450	90	0.5	155	3.00	3.25	9.28	7.72	S, US
4	40	1/40	**M1125046.00**	√	542	985.623	PZ5-30A	450	180	0.2	155	3.00	3.25	9.30	7.74	S, US
10	100	1/20	**M1115001.00**	√	542	985.621	PZ4-30E	180	90	0.5	155	3.00	3.25	9.28	7.72	S, US
19	100	1/20	**M1125047.00**	C/A	542	985.624	PZ4-30A	180	180	0.3	155	3.00	3.25	9.30	7.74	S, US
20	100	1/20	**M1115000.00**	√	542	985.622	PZ4-30E	90	90	0.5	155	3.00	3.25	9.28	7.72	S, US
20	100	1/20	**M1125048.00**	C/A	542	985.625	PZ4-30A	90	180	0.3	155	3.00	3.25	9.30	7.74	S, US
30	100	1/17	**M1125002.00**	√	590	985.627	PZ3-30B	60	90	0.8	155	3.00	2.68	8.74	7.18	S, US
30	100	1/17	**M1125037.00**	√	590	985.635	PZ3-30B	60	180	0.4	155	3.00	2.68	8.74	7.18	S, US
60	56	1/17	**M1125003.00**	√	590	985.628	PZ3-30B	30	90	0.8	171	3.00	2.68	8.74	7.18	S, US
60	56	1/17	**M1125036.00**	√	590	985.634	PZ3-30B	30	180	0.4	171	3.00	2.68	8.74	7.18	S, US
100	36	1/17	**M1125004.00**	√	590	985.626	PZ3-30B	18	90	0.8	171	3.00	2.68	8.74	7.18	S, US
100	36	1/17	**M1125035.00**	√	590	985.631	PZ3-30B	18	180	0.4	171	3.00	2.68	8.74	7.18	S, US
150	24	1/17	**M1125005.00**	√	560	985.629	PZ2-30B	12	90	0.8	180	3.00	2.40	8.46	6.9	S, US
150	24	1/17	**M1125034.00**	√	560	985.633	PZ2-30B	12	180	0.4	180	3.00	2.40	8.46	6.9	S, US
300	10	1/17	**M1125006.00**	√	560	985.630	PZ2-30B	6	90	0.8	180	3.00	2.40	8.46	6.9	S, US
300	10	1/17	**M1125033.00**	√	560	985.632	PZ2-30B	6	180	0.4	180	3.00	2.40	8.46	6.9	S, US

C/A - Check Availability

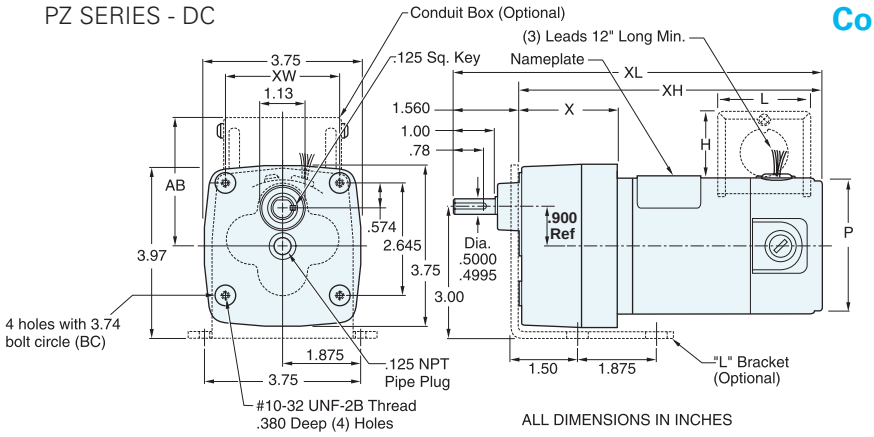
♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volts - TENV - PZ Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)				♥Notes
												P	X	XL	XH	
10	100	1/20	**M1125213.00**	√	600	985.653	PZ4-30	180	12	2.7	155	3.00	3.25	9.28	7.72	S, US
30	100	1/17	**M1125214.00**	√	637	985.654	PZ3-30	60	12	5.2	155	3.00	2.68	8.74	7.18	S, US
55	56	1/17	**M1125215.00**	C/A	637	985.655	PZ3-30	30	12	5.6	171	3.00	2.68	8.74	7.18	S, US

C/A - Check Availability

PZ SERIES - DC



Conduit Box Dimensions (IN)

Frame	XW	AB	H	L
30/31	2.63	3.47	1.90	3.13

Gearmotors

Parallel Shaft - P300 Series - DC

SCR Rated - 27-353 In-Lbs. Torque
Low Voltage - 113-353 In-Lbs Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box available, see page 356

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830
- **Bison/Dayton direct interchange**

Bison is believed to be the trademark or trade name of Bison Gear & Engineering Corporation.
Dayton is a trademark or trade name of Dayton Electric Manufacturing. All Rights Reserved.

SCR Rated - 27-353 In-Lbs. Torque
Low Voltage - 113-353 In-Lbs Torque

90 & 180 Volts - TENV - P300 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)				♥Notes
												P	X	XL	XH	
5	353	1/20	**M1115024.00**	√	777	985.602	P303-30E	336	90	0.5	565	3.00	3.54	10.07	8.57	S, US
9	268	1/20	**M1115025.00**	√	777	985.603	P303-30E	216	90	0.5	474	3.00	3.54	10.07	8.57	S, US
18	150	1/20	**M1115026.00**	√	777	985.604	P303-30E	103	90	0.5	385	3.00	3.54	10.07	8.57	S, US
20	140	1/20	**M1125092.00**	√	796	985.607	P303-31E	90	180	0.3	370	3.11	3.54	10.07	8.57	S, US
24	280	1/8	**M1125069.00**	√	796	985.611	P303-30E	76	90	1.3	353	3.00	3.54	11.54	10.04	S, US
31	220	1/8	**M1125070.00**	√	796	985.612	P303-30E	58	90	1.3	327	3.00	3.54	11.54	10.04	S, US
31	220	1/8	**M1125038.00**	√	796	985.617	P303-30E	58	180	0.7	327	3.00	3.54	11.54	10.04	S, US
34	82	1/20	**M1115027.00**	√	777	985.605	P303-30E	52	90	0.5	318	3.00	3.54	10.07	8.57	S, US
51	130	1/8	**M1125071.00**	√	733	985.615	P302-30E	35	90	1.3	277	3.00	3.54	11.54	10.04	S, US
51	130	1/8	**M1125039.00**	√	733	985.614	P302-30E	35	180	0.7	277	3.00	3.54	11.54	10.04	S, US
51	55	1/20	**M1115028.00**	√	715	985.606	P302-30E	35	90	0.5	281	3.00	3.54	10.07	8.57	S, US
61	113	1/8	**M1125072.00**	√	733	985.610	P302-30E	29	90	1.3	267	3.00	3.54	11.54	10.04	S, US
60	45	1/20	**M1125093.00**	√	733	985.609	P302-31E	29	180	0.3	267	3.11	3.54	10.07	8.57	S, US
94	77	1/8	**M1125073.00**	√	733	985.613	P302-30E	19	90	1.3	236	3.00	3.54	11.54	10.04	S, US
94	77	1/8	**M1125040.00**	√	733	985.618	P302-30E	19	180	0.7	236	3.00	3.54	11.54	10.04	S, US
109	27	1/20	**M1115029.00**	√	715	985.601	P302-30E	16	90	0.5	224	3.00	3.54	10.07	8.57	S, US
106	26	1/20	**M1125094.00**	C/A	715	985.608	P302-31E	16	180	0.3	222	3.11	3.54	10.07	8.57	S, US
167	43	1/8	**M1125074.00**	√	733	985.616	P302-30E	11	90	1.3	197	3.00	3.54	11.54	10.04	S, US
170	43	1/8	**M1125041.00**	√	733	985.619	P302-30E	11	180	0.7	196	3.00	3.54	11.54	10.04	S, US

C/A - Check Availability

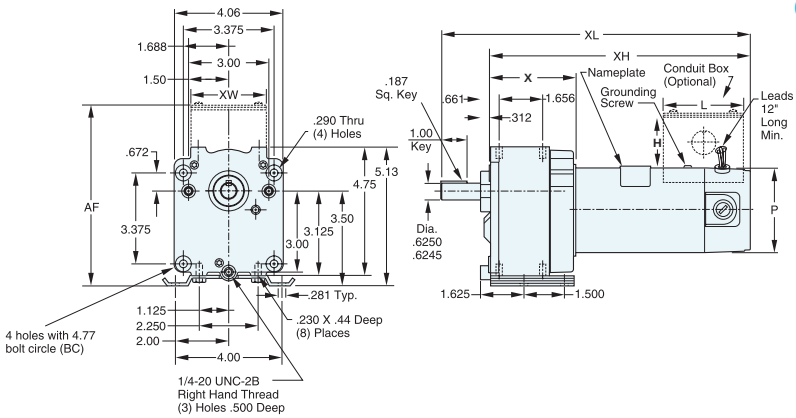
♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volt - TENV - P300 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)				♥Notes
												P	X	XL	XH	
5	353	1/20	**M1125217.00**	√	796	985.657	P303-30	336	12	5.6	565	3.00	3.85	10.07	8.57	S, US
31	220	1/8	**M1125218.00**	√	816	985.658	P303-30	58	12	10.6	327	3.00	3.54	11.54	10.04	S, US
51	130	1/8	**M1125219.00**	√	750	985.659	P302-30	35	12	10.3	277	3.00	3.23	11.54	10.04	S, US
61	113	1/8	**M1125220.00**	√	750	985.660	P302-30	29	12	10.4	267	3.00	3.23	11.54	10.04	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

P300 SERIES



Conduit Box Dimensions (IN)

Frame	XW	AB	H	L
30/31	2.63	3.47	1.90	3.13

Gearmotors

Off-Set Shaft Gearmotors - OS300 Series - DC

SCR Rated - 130-268 In-Lbs. Torque
Low Voltage - 130-268 In-Lbs. Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box available, see page 356

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft

SCR Rated - 130-268 In-Lbs. Torque
Low Voltage - 130-268 In-Lbs. Torque

90 Volts - TENV - OS300 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)				♥Notes
												P	X	XL	XH	
9	268	1/20	**M1125251.00**	C/A	655	985.692	OS303-30	210	90	0.5	474	3.00	2.81	4.5	8.52	S, US
19	150	1/20	**M1125250.00**	√	655	985.691	OS303-30	103	90	0.6	385	3.00	2.81	4.5	8.52	S, US
24	280	1/8	**M1125249.00**	C/A	672	985.690	OS303-30	76	90	1.3	353	3.00	2.81	6.42	10.45	S, US
31	220	1/8	**M1125248.00**	√	672	985.689	OS303-30	58	90	1.4	327	3.00	2.81	6.42	10.45	S, US
51	130	1/8	**M1125247.00**	√	672	985.688	OS303-30	35	90	1.4	277	3.00	2.81	6.42	10.45	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

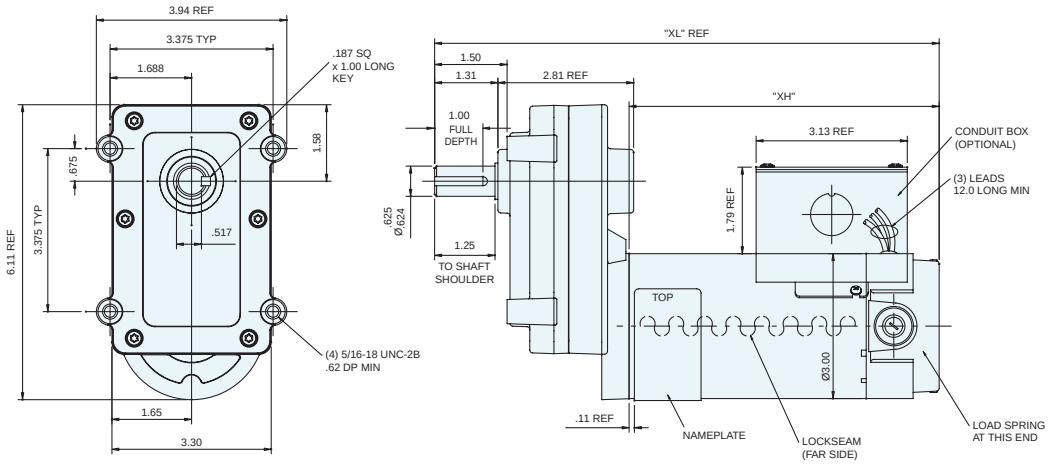
12 Volts - TENV - OS300 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)				♥Notes
												P	X	XL	XH	
9	268	1/20	**M1125256.00**	C/A	672	985.697	OS303-30	210	12	4.5	474	3.00	2.81	4.5	8.52	S, US
18	150	1/20	**M1125255.00**	C/A	672	985.696	OS303-30	103	12	5.0	385	3.00	2.08	4.5	8.52	S, US
24	280	1/8	**M1125254.00**	C/A	688	985.695	OS303-30	76	12	10.6	353	3.00	2.81	6.42	10.45	S, US
31	220	1/8	**M1125253.00**	√	688	985.694	OS303-30	58	12	10.6	327	3.00	2.81	6.42	10.45	S, US
51	130	1/8	**M1125252.00**	√	688	985.693	OS303-30	35	12	10.3	277	3.00	2.81	6.42	10.45	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

OS300 SERIES



ALL DIMENSIONS IN INCHES

Gearmotors

PE350 Series - Parallel Shaft - DC

SCR Rated - 25-371 In-Lbs. Torque
Low Voltage - 155-341 In-Lbs Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Optional conduit box available, see page 356

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- **Bodine/Baldor direct interchange**

Baldor is believed to be the trademark or trade name of ABB ASEA Brown Boveri Ltd.
Bodine is believed to be the trademark or trade name of Bodine Electric Corporation. All Rights Reserved.

SCR Rated - 25-371 In-Lbs. Torque
Low Voltage - 155-341 In-Lbs Torque

90 & 180 Volts - TENV - PE350 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
7	330	1/8	**M1135106.00**	√	785	M34D25NZ62	P353-34	336	90	0.7	565	11.31	9.31	S, US
7	330	1/8	**M1135139.00**	C/A	785	M34D25NZ71	P353-34	336	180	0.4	565	11.31	9.31	S, US
14	341	1/8	**M1135107.00**	√	785	M34D25NZ61	P353-34	180	90	1.0	465	11.31	9.31	S, US
14	341	1/8	**M1135140.00**	√	785	M34D25NZ72	P353-34	180	180	0.5	465	11.31	9.31	S, US
21	371	1/4	**M1135117.00**	√	822	M34D25NZ52	P353-34	124	90	1.1	413	13.31	11.31	S, US
21	371	1/4	**M1135141.00**	√	822	M34D25NZ73	P353-34	124	180	0.6	413	13.31	11.31	S, US
27	305	1/4	**M1135115.00**	√	822	M34D25NZ51	P353-34	91	90	1.5	374	13.31	11.31	S, US
27	305	1/4	**M1135142.00**	√	822	M34D25NZ74	P353-34	91	180	0.8	374	13.31	11.31	S, US
42	280	1/4	**M1135108.00**	√	822	M34D25NZ53	P353-34	58	90	2.3	327	13.31	11.31	S, US
42	280	1/4	**M1135143.00**	√	822	M34D25NZ75	P353-34	58	180	1.2	327	13.31	11.31	S, US
50	250	1/4	**M1135109.00**	√	822	M34D25NZ54	P353-34	50	90	2.3	315	13.31	11.31	S, US
50	250	1/4	**M1135144.00**	√	822	M34D25NZ76	P353-34	50	180	1.2	315	13.31	11.31	S, US
62	220	1/4	**M1135110.00**	√	822	M34D25NZ55	P353-34	43	90	2.3	303	13.31	11.31	S, US
62	220	1/4	**M1135145.00**	√	822	M34D25NZ77	P353-34	43	180	1.2	303	13.31	11.31	S, US
83	155	1/4	**M1135114.00**	√	777	M34D25NZ57	P352-34	29	90	2.3	267	13.31	11.31	S, US
83	155	1/4	**M1135146.00**	√	777	M34D25NZ78	P352-34	29	180	1.2	267	13.31	11.31	S, US
125	100	1/4	**M1135111.00**	√	777	M34D25NZ56	P352-34	23	90	2.0	256	13.31	11.31	S, US
125	100	1/4	**M1135147.00**	√	777	M34D25NZ79	P352-34	23	180	1.0	256	13.31	11.31	S, US
165	70	1/4	**M1135112.00**	√	777	M34D25NZ58	P352-34	15	90	2.0	232	13.31	11.31	S, US
165	70	1/4	**M1135148.00**	√	777	M34D25NZ80	P352-34	15	180	1.0	232	13.31	11.31	S, US
250	45	1/4	**M1135116.00**	√	777	M34D25NZ60	P352-34	10	90	2.0	201	13.31	11.31	S, US
250	45	1/4	**M1135149.00**	√	777	M34D25NZ81	P352-34	10	180	1.0	201	13.31	11.31	S, US
500	25	1/4	**M1135113.00**	√	777	M34D25NZ59	P352-34	5	90	2.0	194	13.31	11.31	S, US
500	25	1/4	**M1135150.00**	√	777	M34D25NZ82	P352-34	5	180	1.0	194	13.31	11.31	S, US

C/A - Check Availability

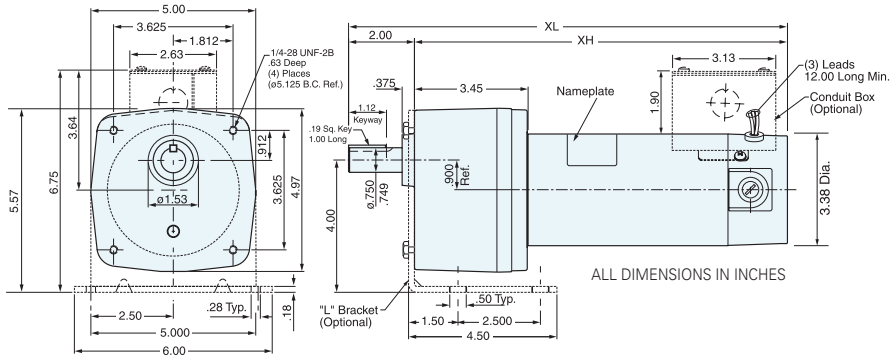
♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volts - TENV - PE350 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
14	341	1/8	**M1135243.00**	√	801	M34D25NZ154	P353-34	180	12	8.7	465	11.05	9.05	S, US
42	325	1/4	**M1135244.00**	√	840	M34D25NZ155	P353-34	58	12	21.0	327	13.31	11.31	S, US
62	220	1/4	**M1135245.00**	√	840	M34D25NZ156	P353-34	43	12	21.0	303	13.31	11.31	S, US
83	155	1/4	**M1135246.00**	√	796	M34D25NZ157	P352-34	29	12	21.0	267	13.31	11.31	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

PE350 SERIES - DC



Gearmotors

Parallel Shaft - P1100 Series - DC

SCR Rated - 105-1112 In-Lbs. Torque
Low Voltage - 320-1087 In-Lbs. Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Conduit box included as standard

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830
- **Bison/Dayton direct interchange**

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SCR Rated - 105-1112 In-Lbs. Torque
Low Voltage - 320-1087 In-Lbs. Torque

90 Volts - Totally Enclosed - Rigid Base - P1100 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
8	1087	1/4	**108700.00**	√	1,338	4D17NZ17	P1103-48	212	90	2.7	700	14.24	12.74	S, US, 12
12	1030	1/4	**108701.00**	√	1,338	4D17NZ18	P1103-48	143	90	2.7	700	14.24	12.74	S, US, 12
18	750	1/4	**108702.00**	√	1,338	4D17NZ19	P1103-48	95	90	2.7	700	14.24	12.74	S, US, 12
42	353	1/4	**108703.00**	√	1,305	4D17NZ20	P1102-48	42	90	2.7	650	14.24	12.74	S, US, 12
60	238	1/4	**108704.00**	√	1,305	4D17NZ21	P1102-48	29	90	2.7	625	14.24	12.74	S, US, 12
92	160	1/4	**108705.00**	√	1,305	4D17NZ22	P1102-48	19	90	2.7	575	14.24	12.74	S, US, 12
135	105	1/4	**108706.00**	√	1,305	4D17NZ23	P1102-48	13	90	2.7	525	14.24	12.74	S, US, 12
18	1112	1/2	**108707.00**	√	1,446	4D17FZ23	P1103-48	95	90	5.0	700	16.49	14.99	S, US
33	822	1/2	**108708.00**	√	1,446	4D17FZ24	P1103-48	53	90	5.0	650	16.49	14.99	S, US
42	705	1/2	**108709.00**	√	1,419	4D17FZ25	P1102-48	42	90	5.0	650	16.49	14.99	S, US
60	476	1/2	**108710.00**	√	1,419	4D17FZ26	P1102-48	29	90	5.0	625	16.49	14.99	S, US
92	320	1/2	**108711.00**	√	1,419	4D17FZ27	P1102-48	19	90	5.0	575	16.49	14.99	S, US
135	210	1/2	**108712.00**	√	1,419	4D17FZ28	P1102-48	13	90	5.0	525	16.49	14.99	S, US

Note 12 - TENV

♥ Note listing on inside back flap
Specifications are subject to change without notice

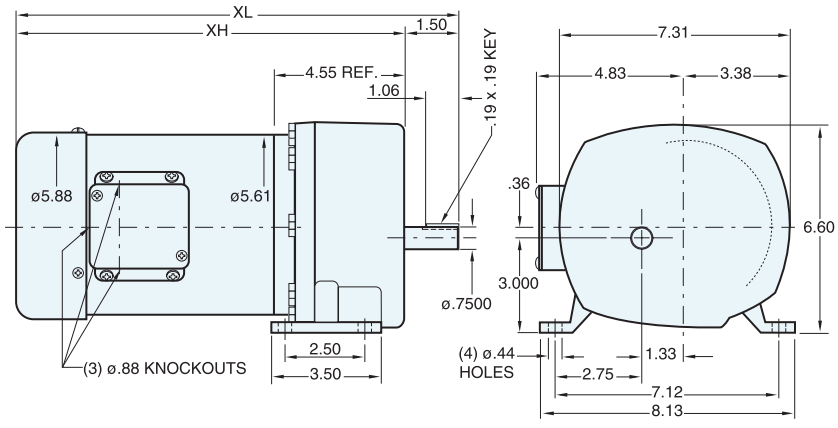
12 Volts - Totally Enclosed - Rigid Base - P1100 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
8	1087	1/4	**108729.00**	√	1,367	4D17NZ43	P1103-48	212	12	21	700	13.74	12.24	S, US, 12
60	238	1/4	**108730.00**	√	1,337	4D17NZ44	P1102-48	29	12	21	625	13.74	12.24	S, US, 12
42	705	1/2	**108731.00**	√	1,446	4D17FZ52	P1102-48	42	12	40	650	15.99	14.49	S, US
92	320	1/2	**108732.00**	C/A	1,446	4D17FZ53	P1102-48	19	12	40	575	15.99	14.49	S, US

Note 12 - TENV
C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

P1100 SERIES - DC



ALL DIMENSIONS IN INCHES

Gearmotors

Right-Angle DC Gearmotors

SCR Rated - 5-135 In-Lbs. Torque
Low Voltage - 25-135 In-Lbs. Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

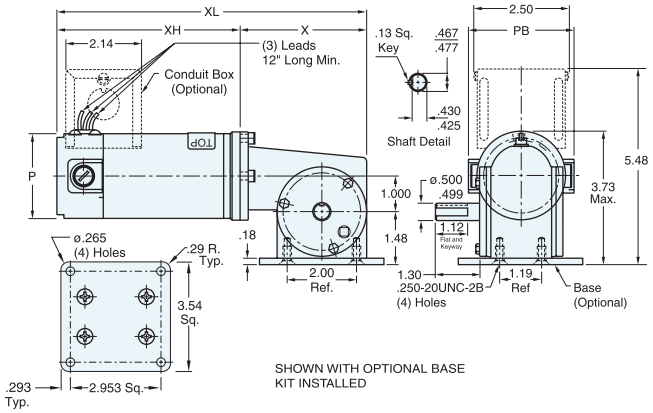
Features:

- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option
- Optional conduit box available, see page 356
- Optional gearbox base available (10 Series only), see page 356

Application Notes:

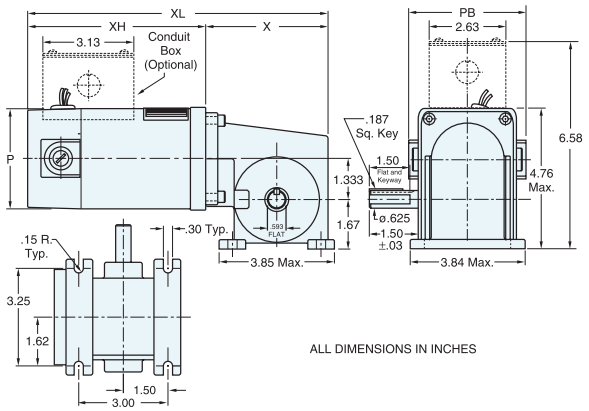
- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8" NPT taper pipe elbow (See drawing). Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft

10 SERIES - DC



SHOWN WITH OPTIONAL BASE KIT INSTALLED

13 SERIES - DC



ALL DIMENSIONS IN INCHES

90 & 180 Volts - TENV - Right-Angle

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Overhung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
42	22	1/17	**M1115018.00**	√	608	985.504	10F60-25D	60	90	0.9	185	2.5	3	3.6	8.79	5.19	S, US
62	19	1/17	**M1115019.00**	√	608	985.505	10F40-25D	40	90	0.9	185	2.5	3	3.6	8.79	5.19	S, US
125	16	1/17	**M1115020.00**	√	608	985.506	10F20-25D	20	90	0.9	185	2.5	3	3.6	8.79	5.19	S, US
250	10	1/17	**M1115021.00**	√	608	985.509	10F10-25D	10	90	1.0	185	2.5	3	3.6	8.79	5.19	S, US
500	5	1/17	**M1115022.00**	√	608	985.507	10F05-25D	5	90	1.0	185	2.5	3	3.6	8.79	5.19	S, US
42	30	1/12	**M1135053.00**	√	608	M34D25NZ30	13F60-34A	60	180	0.5	235	3.38	4	4.5	9.64	5.14	S, US
62	35	1/12	**M1135054.00**	C/A	608	M34D25NZ31	13F40-34A	40	180	0.5	235	3.38	4	4.5	9.64	5.14	S, US
125	18	1/12	**M1135055.00**	√	608	CM34D25NZ32	13F20-34A	20	180	0.5	235	3.38	4	4.5	9.64	5.14	S, US
250	10	1/12	**M1135056.00**	C/A	608	M34D25NZ47	13F10-34A	10	180	0.5	235	3.38	4	4.5	9.64	5.14	S, US
500	5	1/12	**M1135057.00**	C/A	608	M34D25NZ48	13F05-34A	5	180	0.5	235	3.38	4	4.5	9.64	5.14	S, US
42	80	1/8	**M1135069.00**	√	701	M34D25NZ18	13F60-34C	60	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
62	70	1/8	**M1135038.00**	√	701	M34D25NZ6	13F40-34C	40	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
62	70	1/8	**M1135058.00**	√	701	M34D25NZ26	13F40-34C	40	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
125	45	1/8	**M1135039.00**	√	701	M34D25NZ7	13F20-34C	20	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
125	45	1/8	**M1135059.00**	√	701	M34D25NZ27	13F20-34C	20	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
250	25	1/8	**M1135040.00**	√	701	M34D25NZ8	13F10-34C	10	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
250	25	1/8	**M1135060.00**	√	701	M34D25NZ28	13F10-34C	10	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
500	13	1/8	**M1135041.00**	√	701	M34D25NZ9	13F05-34C	5	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
500	13	1/8	**M1135061.00**	C/A	701	M34D25NZ29	13F05-34C	5	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
62	135	1/4	**M1135042.00**	√	755	M34D25NZ10	13F40-34G	40	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
62	135	1/4	**M1135062.00**	√	755	M34D25NZ33	13F40-34G	40	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
83	125	1/4	**M1135043.00**	√	755	M34D25NZ11	13F30-34G	30	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
83	125	1/4	**M1135063.00**	√	755	M34D25NZ34	13F30-34G	30	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
125	90	1/4	**M1135044.00**	√	755	M34D25NZ12	13F20-34G	20	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
125	90	1/4	**M1135064.00**	√	755	M34D25NZ35	13F20-34G	20	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
250	50	1/4	**M1135045.00**	√	755	M34D25NZ13	13F10-34G	10	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
250	50	1/4	**M1135065.00**	√	755	M34D25NZ36	13F10-34G	10	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
500	30	1/4	**M1135046.00**	√	755	M34D25NZ14	13F05-34G	5	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
500	30	1/4	**M1135066.00**	√	755	M34D25NZ37	13F05-34G	5	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volts - TENV - Right-Angle Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Overhung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
42	80	1/8	**M1135249.00**	C/A	715	M34D25NZ158	13F60-34	60	12	11.0	235	3.38	4.21	4.5	10.39	5.89	S, US
250	25	1/8	**M1135250.00**	C/A	715	M34D25NZ159	13F10-34	10	12	11.0	235	3.38	4.21	4.5	10.39	5.89	S, US
62	135	1/4	**M1135251.00**	√	766	M34D25NZ160	13F40-34	40	12	21.0	235	3.38	4.21	4.5	12.64	8.14	S, US
125	90	1/4	**M1135252.00**	√	766	M34D25NZ161	13F20-34	20	12	21.0	235	3.38	4.21	4.5	12.64	8.14	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

Gearmotors

Bravo® Series 12 SUB-FHP - DC Right-Angle Gearmotors

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Single piece die cast aluminum alloy housing is vacuum impregnated with Resinol RT for protection and sealing
- Light weight gearbox combines high tensile strength along with being precision machined for alignment of bearings and gearing
- High temperature nitrile seals for optimum seal life
- Gearbox provided with solid output shaft, but can be converted to a hollow output shaft. Simply remove the solid shaft by removing the snap rings
- T-base feet provided are removable to convert to face mounting
- Optional conduit box available, see page 356

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Bravo® Series 12 SUB-FHP - DC
Right-Angle Gearmotors

90 Volts - Totally Enclosed - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Enclosure	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps. DC	♥Notes
28	125	1/8	**M1135292.00**	√	716	M34D17NZ31	TENV	12B60-34D	61.0	90	1.6	S, US, 12
45	87	1/8	**M1135291.00**	C/A	716	M34D17NZ30	TENV	12B39-34D	39.0	90	1.6	S, US, 12
58	158	1/4	**M1135290.00**	√	756	M34D17FZ7	TEFC	12B30-34G	30.0	90	2.8	S, US
90	100	1/4	**M1135289.00**	√	756	M34D17FZ6	TEFC	12B19-34G	19.0	90	2.6	S, US
115	85	1/4	**M1135288.00**	C/A	756	M34D17FZ5	TEFC	12B15-34G	15.0	90	2.6	S, US
167	61	1/4	**M1135287.00**	√	756	M34D17FZ4	TEFC	12B11-34G	10.6	90	2.6	S, US
250	46	1/4	**M1135286.00**	√	756	M34D17FZ3	TEFC	12B7-34G	7.0	90	2.6	S, US

C/A - Check Availability
Note 12 - TENV

♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volt - TENV - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Enclosure	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps. DC	♥Notes
27	134	1/8	**M1135285.00**	C/A	745	M34D17NZ29	TENV	12B60-34C	61.0	12	14.0	S, US
45	94	1/8	**M1135284.00**	C/A	745	M34D17NZ28	TENV	12B39-34C	39.0	12	15.0	S, US
58	158	1/4	**M1135297.00**	√	780	M34D17NZ36	TENV	12B30-34F	30.0	12	24.0	S, US
90	100	1/4	**M1135296.00**	C/A	780	M34D17NZ35	TENV	12B19-34F	19.0	12	24.0	S, US
115	85	1/4	**M1135295.00**	C/A	780	M34D17NZ34	TENV	12B15-34F	15.0	12	23.0	S, US
167	61	1/4	**M1135294.00**	C/A	780	M34D17NZ33	TENV	12B11-34F	10.6	12	21.0	S, US
250	46	1/4	**M1135293.00**	√	780	M34D17NZ32	TENV	12B7-34F	7.0	12	23.0	S, US

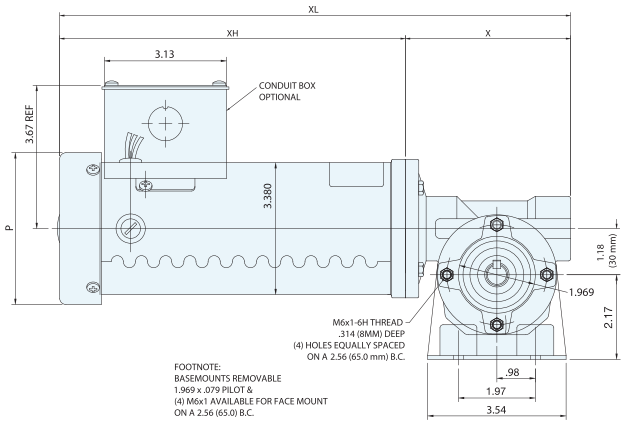
C/A - Check Availability

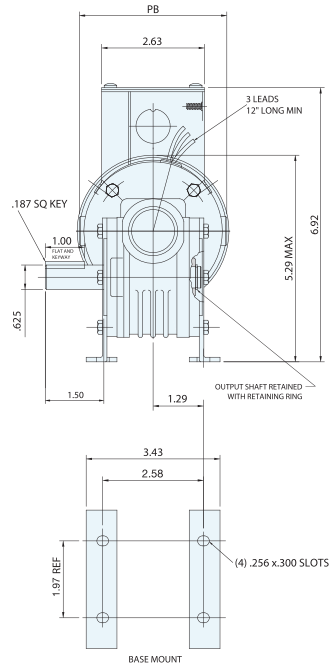
♥ Note listing on inside back flap
Specifications are subject to change without notice

Notes:

1 Conduit box not supplied with the gearmotor. Mounting provisions are provided and can use conduit box kit catalog number M1760007.00 found on page 356.

2 For solid double output shaft, consult factory.





SCR 90 Volt Rated (IN)

P	X	XL	XH	PB
3.38	4.32	11.07	6.75	4.00
3.38	4.32	11.07	6.75	4.00
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76

Low Voltage 12V (IN)

P	X	XL	XH	PB
3.38	4.32	10.57	6.25	4.21
3.38	4.32	10.57	6.25	4.21
3.38	4.32	11.82	7.50	4.21
3.38	4.32	11.82	7.50	4.21
3.38	4.32	11.82	7.50	4.21
3.38	4.32	11.82	7.50	4.21
3.38	4.32	11.82	7.50	4.21

Gearmotors

IP55 Washguard® Gearmotors - P300 Series - DC

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Gearbox output shafts are coated with Microlon® 3300 fortified Teflon® for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox Shafts are hardened steel
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes:

- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- USDA Approved white epoxy finish
- **Bison/Dayton direct interchange**

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Dayton is a trademark or trade name of Dayton Electric Manufacturing.
Microlon is a trademark of Micro Surface Corporation.
Teflon is a trademark of The Chemours Company.
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90 Volts - TENV - P300 Series

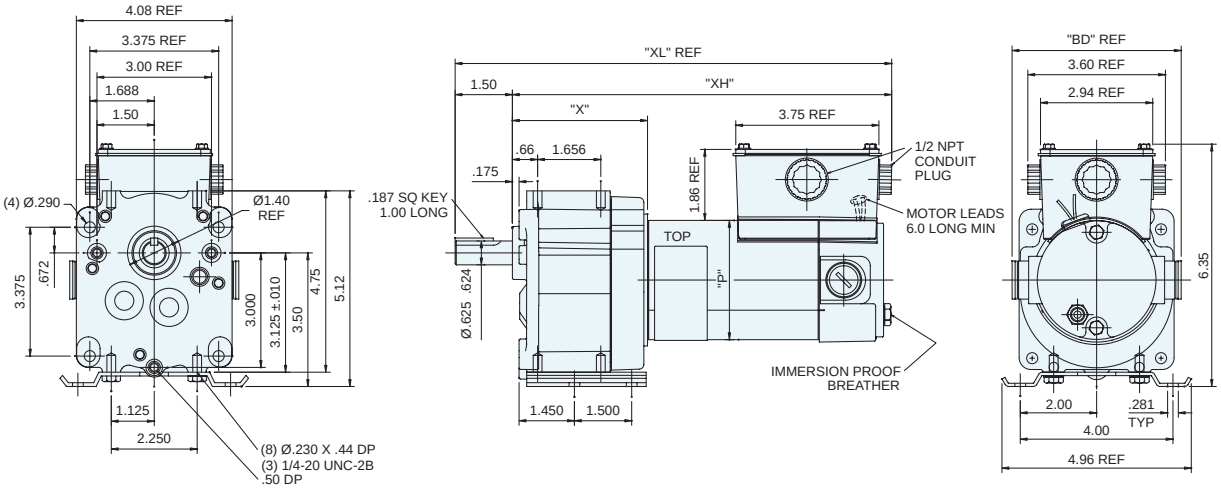
Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Overhung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
5	353	1/20	**M1125261.00**	√	902	M31D17VZ5	P303-31	336	90	0.8	565	3.13	3.8	3.54	10.44	8.94	S, US
31	220	1/8	**M1125262.00**	√	927	M31D17VZ6	P303-31	58	90	1.6	327	3.13	3.8	3.54	11.94	10.44	S, US
51	130	1/8	**M1125263.00**	√	857	M31D17VZ7	P302-31	35	90	1.6	277	3.13	3.8	3.54	11.94	10.44	S, US
94	77	1/8	**M1125264.00**	√	857	M31D17VZ8	P302-31	19	90	1.6	236	3.13	3.8	3.54	11.94	10.44	S, US
167	43	1/8	**M1125265.00**	√	857	M31D17VZ9	P302-31	11	90	1.6	197	3.13	3.8	3.54	11.94	10.44	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volts - TENV - P300 Series

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Overhung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
5	353	1/20	**M1125266.00**	√	927	M31D17VZ10	P303-31	336	12	6.4	565	3.13	3.8	3.54	10.44	8.94	S, US
31	220	1/8	**M1125267.00**	√	950	M31D17VZ11	P303-31	58	12	11	327	3.13	4.43	3.54	11.44	9.94	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice



Gearmotors

IP55 Washguard® Gearmotors - PE350 - DC

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Gearbox output shafts are coated with Microlon® 3300 fortified Teflon® for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox Shafts are hardened steel
- Cast conduit box with threaded conduit holes and nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes:

- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- USDA Approved white epoxy finish
- **Bodine/Baldor direct interchange**

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Bodine is believed to be the trademark or trade name of Bodine Electric Corporation.
Microlon is a trademark of Micro Surface Corporation.
Teflon is a trademark of The Chemours Company.
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90 Volts - TENV - PE350 Series - Parallel Shaft

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Overhung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
14	341	1/8	**M1125268.00**	√	934	M31D25VZ1	P353-31	180	90	1.5	465	3.13	3.8	3.45	11.84	9.84	S, US
42	280	1/4	**M1125269.00**	√	967	M32D25VZ1	P353-32	58	90	2.6	327	3.25	3.8	3.45	13.84	11.84	S, US
83	155	1/4	**M1125270.00**	√	942	M32D25VZ2	P353-32	29	90	2.6	267	3.25	3.8	3.45	13.84	11.84	S, US
250	45	1/4	**M1125271.00**	√	942	M32D25VZ3	P352-32	10	90	2.6	201	3.25	3.8	3.45	13.84	11.84	S, US
500	25	1/4	**M1125272.00**	√	942	M32D25VZ4	P352-32	5	90	2.6	194	3.25	3.8	3.45	13.84	11.84	S, US

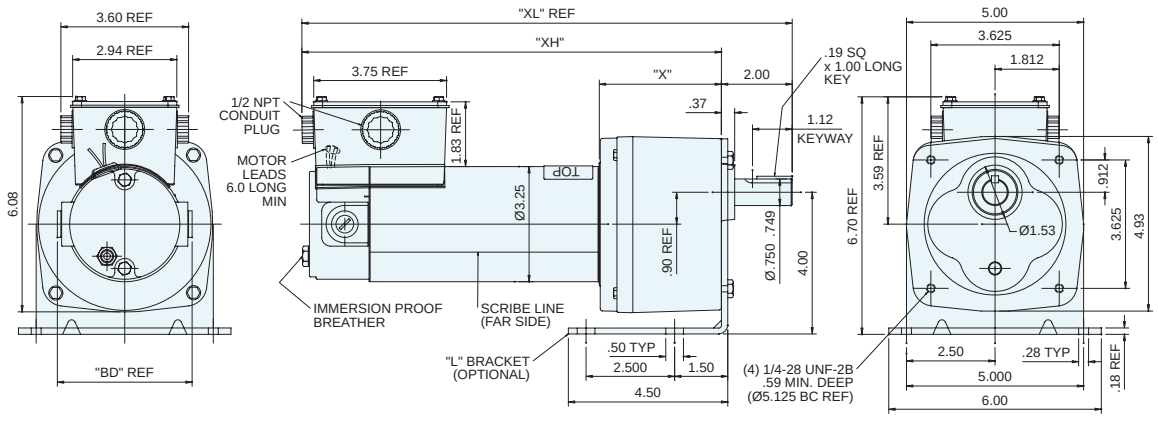
♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volts - TENV - PE350 Series - Parallel Shaft

Output RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Overhung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
14	341	1/8	**M1125273.00**	√	957	M31D25VZ2	P353-31	180	12	12	465	3.13	4.43	3.45	11.58	9.58	S, US
42	325	1/4	**M1125274.00**	C/A	1,012	M32D25VZ5	P353-32	58	12	20	327	3.25	4.43	3.45	13.84	11.84	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice



Gearmotors

IP55 Washguard® Gearmotors - Right-Angle - DC

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- 303 stainless steel gearbox output shaft
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Cast conduit box with threaded conduit holes and nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover
- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option

Application Notes:

- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8" NPT taper pipe elbow. Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830

90 Volt - TENV - Right-Angle

Out-put RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
42	80	1/8	**M1125275.00**	√	934	M31D25VZ3	13F60-31	60	90	2.2	235	3.13	3.8	4.5	10.86	6.36	S, US
250	25	1/8	**M1125276.00**	√	934	M31D25VZ4	13F10-31	10	90	2.2	235	3.13	3.8	4.5	10.86	6.36	S, US
62	135	1/4	**M1125277.00**	√	942	M32D25VZ6	13F40-32	40	90	3.7	235	3.25	3.8	4.5	12.86	8.36	S, US
125	90	1/4	**M1125278.00**	√	942	M32D25VZ7	13F20-32	20	90	3.7	235	3.25	3.8	4.5	12.86	8.36	S, US
250	50	1/4	**M1125279.00**	√	942	M32D25VZ8	13F10-32	10	90	3.7	235	3.25	3.8	4.5	12.86	8.36	S, US

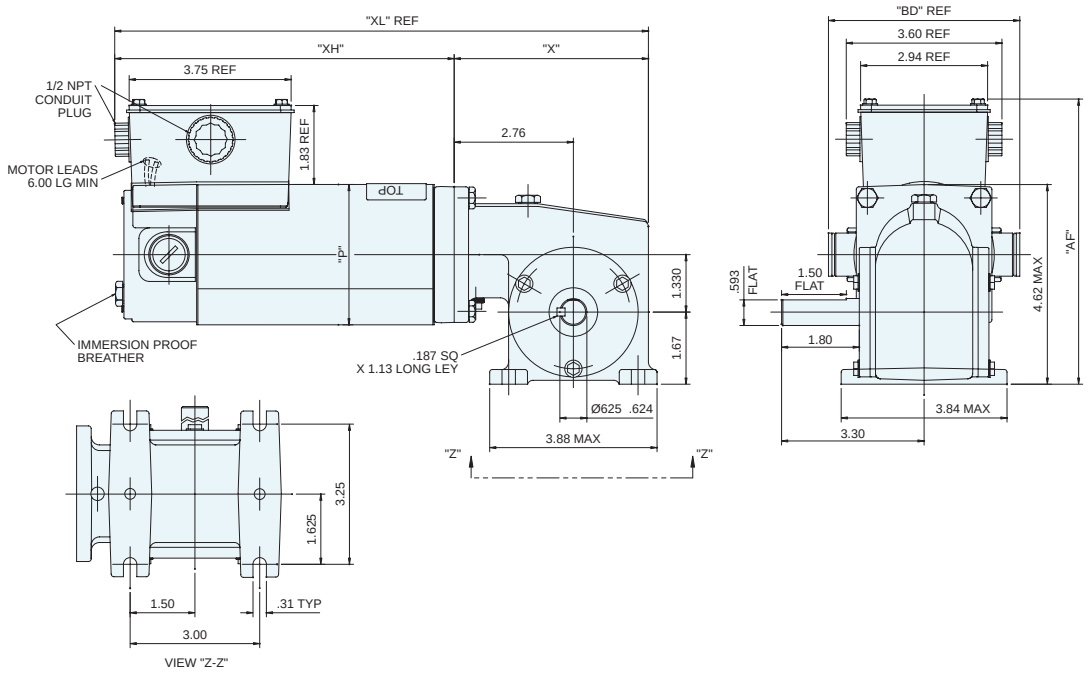
♥ Note listing on inside back flap
Specifications are subject to change without notice

12 Volts - TENV - Right-Angle

Out-put RPM	F.L. Torque (Lb In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
62	135	1/4	**M1125280.00**	√	894	M32D25VZ9	13F40-32	40	12	28	235	3.25	4.43	4.5	12.36	7.86	S, US
125	90	1/4	**M1125281.00**	√	894	M32D25VZ10	13F20-32	20	12	28	235	3.25	4.43	4.5	12.36	7.86	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

13 SERIES - DC



Gearmotors

Parallel Shaft - SUB-FHP - AC Gearmotors

12-100 In-Lbs. Output Torque

Features:

- Permanent split capacitor design rated for 115 VAC 60 HZ input
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box and PZ gearmotor mounting bracket available

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- The motor's stall torque could exceed recommended full load torques causing gearhead damage, especially in ratios of 60:1 and higher. Provisions to limit the torque are recommended
- The torque values listed are the recommended full load torque values
- Overhung load capacities shown are at center of output shaft
- All PZ Series gearmotors are supplied with continuous duty "run" capacitor
- Optional conduit box available, see page 356
- For additional information, see Bulletin 1830
- **Bodine/Bison/Dayton direct interchange**

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Bodine is believed to be the trademark or trade name of Bodine Electric Corporation.

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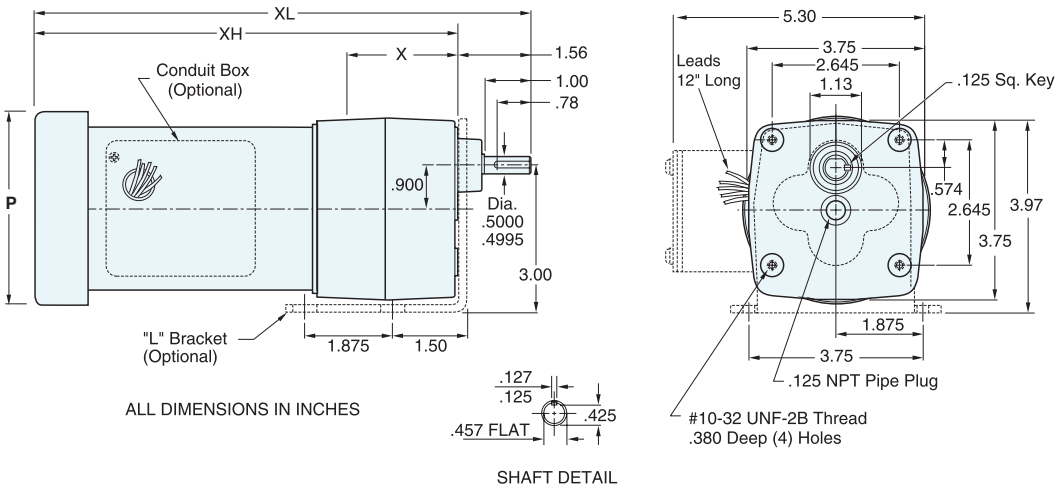
115 Volts - Totally Enclosed - Single Phase

Output RPM	F.L. Torque (Lb. In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gear-motor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches)				Caacitor Mfd. 240 VAC	♥Notes
											P	X	XL	XH		
2	100	1/150	**M1125050.00**	√	565	M31P17NZ1	PZ5-31	900	0.4	155	3.07	3.23	8.71	7.15	3	S, US, 12
9	100	1/15	**M1125127.00**	√	565	M31P17FZ1	PZ4-31	180	0.9	155	3.88	3.23	10.42	8.86	10	S, US, 13
19	100	1/15	**M1125128.00**	√	565	M31P17FZ2	PZ4-31	90	0.9	155	3.88	3.23	10.42	8.86	10	S, US, 13
28	100	1/15	**M1125129.00**	√	565	M31P17FZ3	PZ3-31	60	0.9	155	3.88	2.43	9.62	8.06	10	S, US, 13
57	56	1/15	**M1125130.00**	√	543	M31P17FZ4	PZ3-31	30	0.9	171	3.88	2.43	9.62	8.06	10	S, US, 13
94	36	1/15	**M1125131.00**	√	543	M31P17FZ5	PZ3-31	18	0.9	171	3.88	2.43	9.62	8.06	10	S, US, 13
142	24	1/15	**M1125132.00**	√	526	M31P17FZ6	PZ2-31	12	0.9	180	3.88	2.13	9.32	7.76	10	S, US, 13
283	12	1/15	**M1125133.00**	√	526	M31P17FZ7	PZ2-31	6	0.9	180	3.88	2.13	9.32	7.76	10	S, US, 13

Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

PZ SERIES - AC



Gearmotors

P240 Series - SUB-FHP - AC Gearmotors

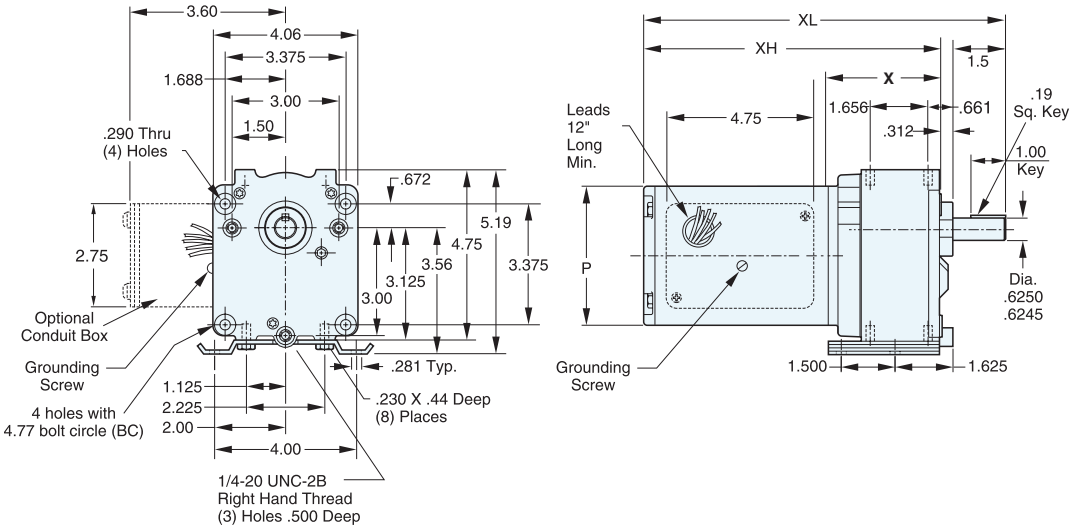
Output Torque - 43-391 In-Lbs.

Features:

- Permanent split capacitor design rated for 115/230 VAC 60/50 HZ input
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box available, see page 356

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- The motor's stall torque could exceed recommended full load torques causing gearhead damage, especially in ratios of 60:1 and higher. Provisions to limit the torque are recommended
- Overhung load capacities shown are at center of output shaft
- All P240 Series gearmotors are supplied with continuous duty "run" capacitor
- **Bison/Dayton direct interchange**



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Single Phase - 115/230 Volts - Totally Enclosed - P240 Series

Out-put RPM	F.L. Torque (Lb. In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gear-motor Type & Frame	Ratio to 1	F.L. Amps @115V	Over-hung Load (lb.)	Dimensions (inches)				Caacitor Mfd. 240 VAC	♥Notes
											P	X	XL	XH		
8	345	1/15	**M1145029.00**	√	845	M38P17NZ26	P243-38D	216	1.0	491	3.85	3.5	10.46	8.96	7.5	S, US, 12
15	250	1/15	**M1145023.00**	√	845	M38P17NZ20	P243-38D	114	1.0	407	3.85	3.5	10.46	8.96	7.5	S, US, 12
16	391	1/6	**M1145030.00**	√	917	M38P17FZ9	P243-38F	103	2.1	399	4.43	3.5	12.13	10.63	15	S, US, 13
30	135	1/15	**M1145024.00**	√	768	M38P17NZ21	P242-38D	52	1.0	330	3.85	3.5	10.46	8.96	7.5	S, US, 12
30	295	1/6	**M1145031.00**	√	917	M38P17FZ10	P243-38F	58	2.1	330	4.43	3.5	12.13	10.63	15	S, US, 13
40	219	1/6	**M1145032.00**	√	917	M38P17FZ11	P243-38F	43	2.1	303	4.43	3.5	12.13	10.63	15	S, US, 13
45	92	1/15	**M1145025.00**	C/A	768	M38P17NZ22	P242-38D	35	1.0	292	3.85	3.5	10.46	8.96	7.5	S, US, 12
60	157	1/6	**M1145033.00**	√	841	M38P17FZ12	P242-38D	29	2.1	268	4.43	3.5	12.13	10.63	15	S, US, 13
70	61	1/15	**M1145026.00**	√	768	M38P17NZ23	P242-38D	23	1.0	256	3.85	3.5	10.46	8.96	7.5	S, US, 12
90	103	1/6	**M1145034.00**	√	841	M38P17FZ13	P242-38D	19	2.1	237	4.43	3.5	12.13	10.63	15	S, US, 13
97	43	1/15	**M1145027.00**	√	768	M38P17NZ24	P242-38D	16.5	1.0	232	3.85	3.5	10.46	8.96	7.5	S, US, 12
139	30	1/15	**M1145028.00**	√	768	M38P17NZ25	P242-38D	11.5	1.0	208	3.85	3.5	10.46	8.96	7.5	S, US, 12
156	60	1/6	**M1145035.00**	√	841	M38P17FZ14	P242-38D	10.6	2.1	201	4.43	3.5	12.13	10.63	15	S, US, 13

C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Gearmotors

P240 Series - SUB-FHP - AC Gearmotors

IP55 AC Washguard® Gearmotors

General Specifications - SCR Rated Gearmotors:

Single and three-phase washdown duty gearmotors rated for continuous duty applications. Permanent split designed single-phase motors include capacitor in conduit box. Motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Avoid shaft up applications, with motor below, should shaft seal fail.

Features:

- Shaft material coated with Teflon®/Ceramic plating
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified

115/230 Volts - 1 & 3-Phase - TEFC - P240 Series

Out-put RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gear-motor Type & Frame	Ratio to 1	Voltage	F.L. Amps @230 V	Phase	Over-hung Load (Lbs.)	♥Notes
16	391	1/6	**M1145138.00**	√	962	M38P17FZ39	P240	103	115/230	1.05	1	399	S, US
40	219	1/6	**M1145139.00**	√	962	M38P17FZ40	P240	43	115/230	1.00	1	303	S, US
156	60	1/6	**M1145140.00**	√	883	M38P17FZ41	P240	10.6	115/230	1.00	1	201	S, US
16	391	1/6	**M1145144.00**	√	962	M38T17FZ20	P240	103	230	0.72	3	237	S, US
30	295	1/6	**M1145145.00**	√	962	M38T17FZ21	P240	58	230	0.72	3	237	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

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Gearmotors

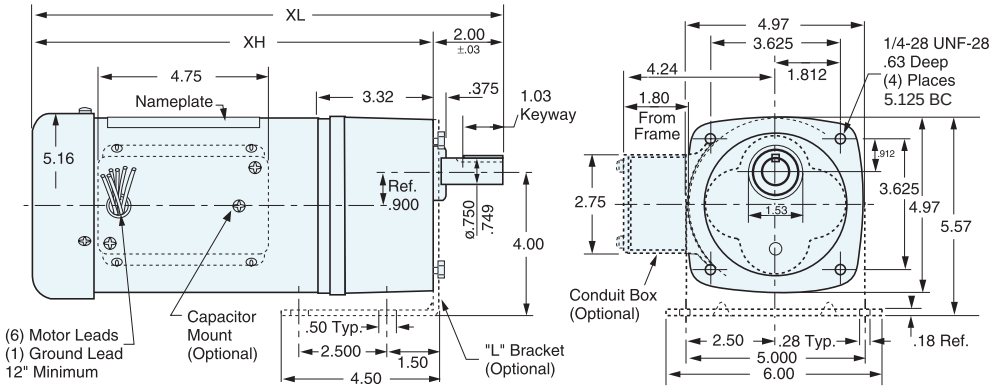
PE350 Series - Parallel Shaft - AC Gearmotors

Output Torque - 25-341 In-Lbs

Features:

- All rated for 60/50 Hz operation except hi-torque single-phase which are 60 Hz only
- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Run capacitor supplied at no additional cost for single phase designs
- Three phase and hi-torque single phase models include conduit box, other single phase models do not
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Optional conduit box available, see page 356
- **Bodine/Baldor/Boehm direct interchange**

PE350 SINGLE PHASE



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Bodine is believed to be the trademark or trade name of Bodine Electric Corporation.
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Output Torque - 25-341 In-Lbs

Single Phase - 115/230 Volts - Totally Enclosed - PE350 Series - Parallel Shaft

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @115V	Over-hung Load (lb.)	Dimensions (inches)		Capacitor Mfd. 240 VAC	♥Notes
											XL	XH		
5	310	1/12	**096000.00**	√	804	42P17NZ1	PE353-42	336	1.3	565	11.36	9.36	10	S, US, 12
9	341	1/12	**096001.00**	√	804	42P17NZ2	PE353-42	180	1.3	491	11.36	9.36	10	S, US, 12
14	330	1/12	**096002.00**	√	804	42P17NZ3	PE353-42	124	1.3	459	11.36	9.36	10	S, US, 12
19	250	1/12	**096003.00**	√	804	42P17NZ4	PE353-42	91	1.3	374	11.36	9.36	10	S, US, 12
29	270	1/6	**096004.00**	√	845	42P17FZ1	PE353-42	58	3.2	327	13.32	11.32	15	S, US, 13
34	250	1/6	**096005.00**	√	845	42P17FZ2	PE353-42	50	3.2	330	13.32	11.32	15	S, US, 13
40	180	1/6	**096006.00**	C/A	845	42P17FZ3	PE353-42	43	3.2	303	13.32	11.32	15	S, US, 13
59	135	1/6	**096007.00**	√	797	42P17FZ4	PE352-42	29	3.2	267	13.32	11.32	15	S, US, 13
75	90	1/6	**096008.00**	√	797	42P17FZ5	PE352-42	23	3.2	256	13.32	11.32	15	S, US, 13
113	68	1/6	**096009.00**	√	797	42P17FZ6	PE352-42	15	3.2	222	13.32	11.32	15	S, US, 13
160	45	1/6	**096010.00**	C/A	797	42P17FZ7	PE352-42	10	3.2	196	13.32	11.32	15	S, US, 13
340	25	1/6	**096011.00**	√	797	42P17FZ8	PE352-42	5	3.2	190	13.32	11.32	15	S, US, 13
Hi-Torque Single Phase PE350 Gearmotors With Capacitor Start Motors														
58	320	1/3	**096049.00**	√	935	42C17FZ4	PE353-42	30	7.2	300	14.56	12.56	...	S, US, 13
85	218	1/3	**096050.00**	√	878	42C17FZ5	PE353-42	20	7.2	300	14.56	12.56	...	S, US, 13
173	109	1/3	**096051.00**	√	878	42C17FZ6	PE353-42	10	7.2	300	14.56	12.56	...	S, US, 13
345	55	1/3	**096052.00**	C/A	878	42C17FZ7	PE353-42	5	7.2	300	14.56	12.56	...	S, US, 13

♥ Note listing on inside back flap
Specifications are subject to change without notice

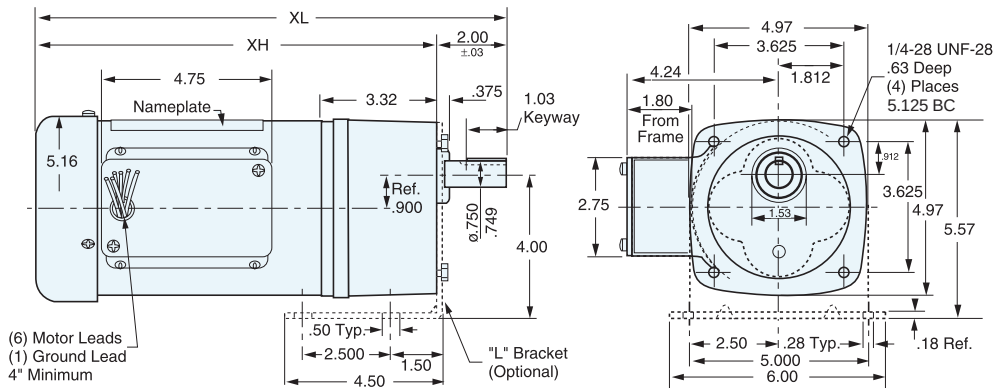
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

Three Phase - 230/460 Volt - PE350 Series - Parallel Shaft - TEFC

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @230V	Over-hung Load (lb.)	Dimensions (inches)		♥Notes
											XL	XH	
58	320	1/3	**096013.00**	√	928	42T17FZ14	PE353-42	30	1.6	300	13.81	11.81	S, US
85	218	1/3	**096014.00**	√	872	42T17FZ15	PE352-42	20	1.6	300	13.81	11.81	S, US
173	109	1/3	**096015.00**	√	872	42T17FZ16	PE352-42	10	1.6	300	13.81	11.81	S, US
345	55	1/3	**096016.00**	√	872	42T17FZ17	PE352-42	5	1.6	300	13.81	11.81	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

PE350 THREE PHASE



Gearmotors

P1100 Series - AC Gearmotors - Parallel Shaft

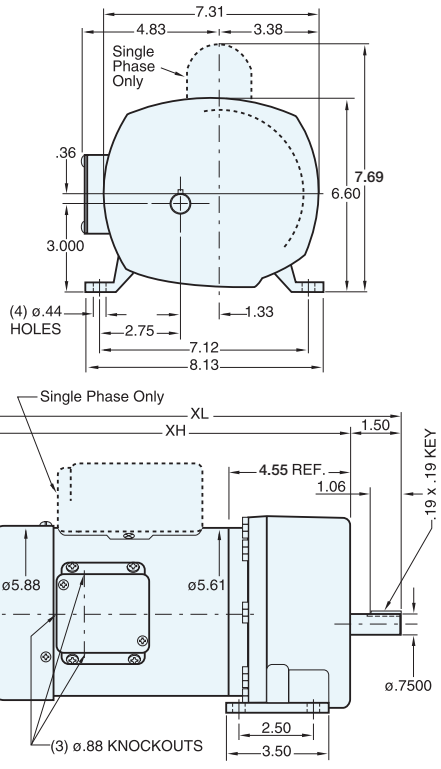
Output Torque - 70-1105 In-Lbs

Features:

- Capacitor start designs rated for 115/230 VAC 60 HZ input
- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Conduit box included as standard

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- **Bison/Dayton direct interchange**



Bison is believed to be the trademark or trade name of Bison Gear & Engineering Corporation.

Dayton is a trademark or trade name of Dayton Electric Manufacturing. All Rights Reserved.

Single Phase - 115/230 Volt - TEFC - P1100 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @115V	Overhung Load (lb.)	Dimensions (inches)		♥Notes
											XL	XH	
8	975	1/4	**107000.00**	√	1,134	4C17FZ24	P1103-48	212	5.4	700	13.42	11.92	S, US
12	1030	1/4	**107004.00**	√	1,134	4C17FZ28	P1103-48	143	5.4	700	13.42	11.92	S, US
18	800	1/4	**107003.00**	√	1,134	4C17FZ27	P1103-48	95	5.4	700	13.42	11.92	S, US
26	569	1/4	**107002.00**	√	1,134	4C17FZ26	P1103-48	66	5.4	650	13.42	11.92	S, US
59	248	1/4	**107005.00**	√	1,108	4C17FZ29	P1102-48	29	5.4	625	13.42	11.92	S, US
133	114	1/4	**107001.00**	√	1,108	4C17FZ25	P1102-48	13	5.4	525	13.42	11.92	S, US
18	1089	1/3	**107006.00**	√	1,146	4C17FZ30	P1103-48	95	6.2	700	13.67	13.17	S, US
26	752	1/3	**107012.00**	√	1,146	4C17FZ36	P1103-48	66	6.2	650	13.67	13.17	S, US
41	461	1/3	**107011.00**	√	1,123	4C17FZ35	P1102-48	42	6.2	650	13.67	13.17	S, US
59	330	1/3	**107010.00**	√	1,123	4C17FZ34	P1102-48	29	6.2	625	13.67	13.17	S, US
91	224	1/3	**107009.00**	√	1,123	4C17FZ33	P1102-48	19	6.2	575	13.67	13.17	S, US
157	125	1/3	**107008.00**	√	1,123	4C17FZ32	P1102-48	11	6.2	500	13.67	13.17	S, US
288	70	1/3	**107007.00**	√	1,123	4C17FZ31	P1102-48	6	6.2	400	13.67	13.17	S, US
22	1105	1/2	**107013.00**	√	1,249	4C17FZ37	P1103-48	79	8.8	700	14.17	12.67	S, US
41	700	1/2	**107017.00**	√	1,225	4T17FZ41	P1102-48	42	8.8	650	14.17	12.67	S, US
59	496	1/2	**107016.00**	√	1,225	4C17FZ40	P1102-48	29	8.8	625	14.17	12.67	S, US
91	336	1/2	**107015.00**	√	1,225	4C17FZ39	P1102-48	19	8.8	575	14.17	12.67	S, US
133	229	1/2	**107014.00**	√	1,225	4C17FZ38	P1102-48	13	8.8	525	14.17	12.67	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Three Phase - 230/460 Volt - TEFC - P1100 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @230V	Overhung Load (lb.)	Dimensions (inches)		♥Notes
											XL	XH	
18	1089	1/3	**107025.00**	√	1,220	4T17FZ47	P1103-48	95	1.6	700	12.92	11.42	S, US
26	752	1/3	**107026.00**	√	1,220	4T17FZ53	P1103-48	66	1.6	650	12.92	11.42	S, US
41	461	1/3	**107027.00**	√	1,193	4T17FZ54	P1102-48	42	1.6	650	12.92	11.42	S, US
59	330	1/3	**107028.00**	√	1,193	4T17FZ55	P1102-48	29	1.6	625	12.92	11.42	S, US
91	224	1/3	**107029.00**	√	1,193	4T17FZ56	P1102-48	19	1.6	575	12.92	11.42	S, US
157	125	1/3	**107030.00**	√	1,193	4T17FZ57	P1102-48	11	1.6	500	12.92	11.42	S, US
288	70	1/3	**107031.00**	√	1,193	4T17FZ58	P1102-48	6	1.6	400	12.92	11.42	S, US
22	1105	1/2	**107032.00**	√	1,287	4T17FZ48	P1103-48	79	2.0	700	13.42	11.92	S, US
41	700	1/2	**107033.00**	√	1,268	4T17FZ49	P1102-48	42	2.0	650	13.42	11.92	S, US
59	496	1/2	**107034.00**	√	1,268	4T17FZ50	P1102-48	29	2.0	625	13.42	11.92	S, US
91	336	1/2	**107035.00**	√	1,268	4T17FZ51	P1102-48	19	2.0	575	13.42	11.92	S, US
133	229	1/2	**107036.00**	√	1,268	4T17FZ52	P1102-48	13	2.0	500	13.42	11.92	S, US
288	100	1/2	**107037.00**	√	1,268	4T17FZ46	P1102-48	6	2.0	400	13.42	11.92	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

Gearmotors

Right-Angle - AC Gearmotors

Output Torque - 14-113 In-Lbs

Features:

- Permanent split capacitor design rated for 115/230VAC 60/50 HZ input
- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option
- Optional conduit box available, see page 356
- Optional gearbox base available (10 Series only), see page 356

Application Notes:

- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8" NPT taper pipe elbow. Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Continuous duty run capacitor supplied as standard
- **Bodine/Dayton direct interchange**

Single Phase - 115/230 Volt - Totally Enclosed - Right-Angle

Output RPM	F.L. Torque (Lb. In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @115V	Overhung Load (lb.)	Dimensions (inches)				Capacitor Mfd. 240 VAC	♥Notes
											P	X	XL	XH		
28	37	1/15	**M1125080.00**	√	697	M31P17NZ19	10F60-31C	60	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
43	34	1/15	**M1125081.00**	√	697	M31P17NZ18	10F40-31C	40	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
58	40	1/15	**M1125082.00**	√	697	M31P17NZ17	10F30-31C	30	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
85	24	1/15	**M1125083.00**	√	697	M31P17NZ16	10F20-31C	20	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
173	14	1/15	**M1125084.00**	√	697	M31P17NZ15	10F10-31C	10	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
29	110	1/6	**M1145037.00**	√	945	M38P17FZ16	13F60-38F	60	2.0	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
43	113	1/6	**M1145038.00**	√	945	M38P17FZ17	13F40-38F	40	2.0	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
57	95	1/6	**M1145082.00**	C/A	945	M38P17FZ23	13F30-38F	30	2.0	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
83	75	1/6	**M1145039.00**	√	945	M38P17FZ18	13F20-38F	20	2.0	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
170	43	1/6	**M1145040.00**	√	945	M38P17FZ19	13F10-38F	10	2.0	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
340	23	1/6	**M1145041.00**	√	945	M38P17FZ20	13F05-38F	5	2.0	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13

¤ 250 VAC
¢ 300 VAC
C/A - Check Availability
Note 12 - TENV
Note 13 - TEFC

♥ Note listing on inside back flap
Specifications are subject to change without notice

Bodine is believed to be the trademark or trade name of Bodine Electric Corporation.
Dayton is a trademark or trade name of Dayton Electric Manufacturing. All Rights Reserved.

General Specifications:

Single and three-phase washdown duty gearmotors rated for continuous duty applications. Permanent split designed single-phase motors include capacitor in conduit box. Motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Avoid shaft up applications, with motor below, should shaft seal fail.

Features:

- Shaft material is coated with Teflon®/Ceramic plating
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified

Single & Three Phase - TEFC - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Ratio to 1	Voltage	F.L. Amps @ 230V	Phase	Over-hung Load (Lbs)
43	113	1/6	**M1145141.00**	√	808	M38P17FZ42	40	115/230	1.0	1	235
83	75	1/6	**M1145142.00**	√	991	M38P17FZ43	20	115/230	1.0	1	235
340	23	1/6	**M1145143.00**	√	991	M38P17FZ44	5	115/230	1.0	1	235
29	220	3/8	**M1145146.00**	√	991	M38T17FZ22	60	230	1.3	3	235
172	105	3/8	**M1145147.00**	√	991	M38T17FZ23	10	230	1.3	3	235

Specifications are subject to change without notice

Teflon is a trademark of The Chemours Company.
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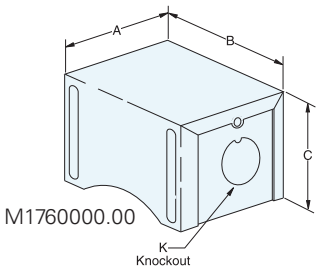
Gearmotors
SUB-FHP Accessories

Sub-FHP Gearmotor Conduit Boxes

Optional steel conduit or junction boxes are available. The boxes are painted and mount in holes using screws provided with all stock gearmotors.



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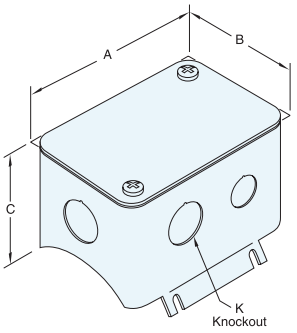
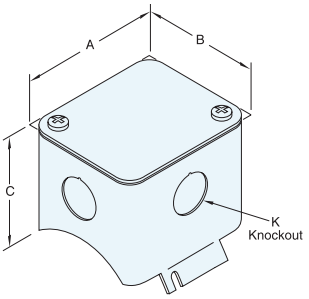


M1760012.00
&
175893.00



M1760007.00
&
M1760021.00

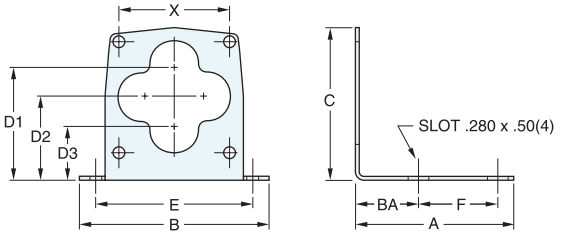
Catalog Number	Frame	List Price	Dimensions (inches)			
			A	B	C	K
M1760000.00*	25	44	2.09	2.45	2.23	0.875
M1760021.00*	30/31	44	3.13	2.63	2.28	0.875
M1760007.00	34	44	3.13	2.63	2.28	0.875
M1760012.00	38	46	4.75	2.75	2.00	1.125
175893.00	42	46	4.75	2.75	2.00	1.125

Note: * For any gearmotor catalog number beginning with M1115XXX, must clarify from gearmotor type and frame columns as listed on the respective pages for that gearmotor type. For example, if gearmotor type and frame lists P303-30E, then use the 30 frame conduit box kit M1760021.00. If gearmotor type and frame lists 10F60-25, then use conduit box kit M1760000.00.

Specifications are subject to change without notice

Sub-FHP Gearmotor "L" Mounting Bracket

Optional "L" brackets can be used to mount parallel shaft type PZ or PE350 gearmotors of steel construction. They are painted and include screws for mounting to the motor, but not the application.



Catalog Number	Frame	List Price	Dimensions (inches)									
			A	B	C	1D1	1D2	1D3	X	BA	F	E
M1760003.00	PZ Gearmotors	56	3.75	4.5	3.94	3	2.3	1.5	2.6	1.5	1.88	3.75
M1760011.00**	PE350 Gearmotors	68	4.50	6	5.52	4	3.1	2.2	3.6	1.5	2.50	5.00
M1760029.00Δ	PE350 Gearmotors	71	4.50	6	5.52	4	3.1	2.2	3.6	1.5	2.50	5.00

*Maximum radial load no greater than 50 lbs. This bracket can also be used on DC motors in the 34 frame having the style C mounting.

**Maximum radial load no greater than 200 lbs.

Δ Washguard PE350 L-Bracket

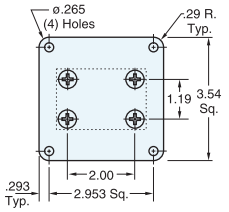
Specifications are subject to change without notice

Sub-FHP Gearmotor Right-Angle Base Kit

This optional base kit can be used with the 10 Series right-angle gearmotors. (Includes screws for mounting to gearbox, but not the application.)

Catalog Number	List Price
M1760006.00	61

Specifications are subject to change without notice



For SUB-FHP Right-Angle AC Gearmotors

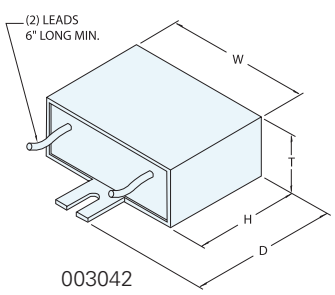
MFD Rating	Voltage Rating	Catalog Number	List Price	Dimensions (inches)			
				W	H	T	D
10	250	**003043.05**	51	1.89	1.14	0.75	1.14
15	300	**003042.05**	57	2.28	1.61	1.14	2.48

For SUB-FHP P240 & PE350 AC Gearmotors

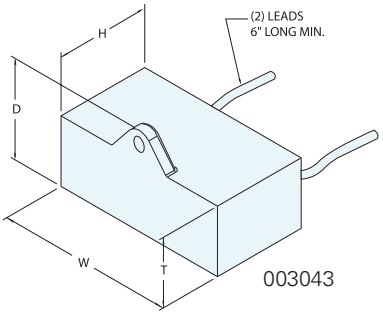
Gearmotor Type	MFD Rating	Voltage Rating	Catalog Number	List Price	Dimensions (inches)			
					W	H	T	D
P240	7.5	250	**003042.02**	57	1.89	1.14	0.75	2.01
PE350	10	250	**003042.06**	51	1.89	1.24	0.89	2.11
P240	15	300	**003042.05**	57	2.28	1.61	1.14	2.48
PE350	15	250	**003042.04**	67	2.28	1.46	0.93	2.33

For SUB-FHP AC PZ Series Gearmotors

MFD Rating	Voltage Rating	Catalog Number	List Price	Dimensions (inches)			
				W	H	T	D
3	250	**003043.01**	57	1.22	0.93	0.57	0.97
10	250	**003043.05**	51	1.89	1.14	0.75	1.14



003042



003043

Gearmotors

Inverter Rated - PZ Series - AC Gearmotors

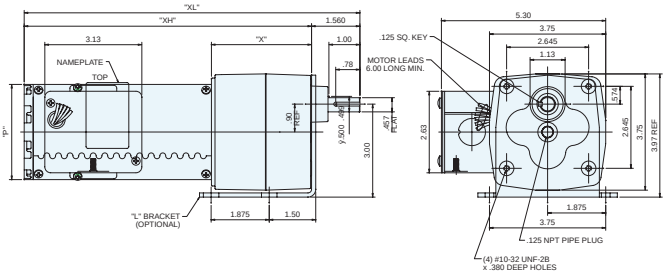
Features:

- Designed with the exclusive IRIS® Inverter Rated Insulation System
- Provides superior protection against voltage spikes induced by variable frequency drives
- Double shielded motor ball bearings
- Needle bearings in the parallel shaft gearboxes
- Ball bearings in the right angle (worm) gearboxes
- Steel conduit box provided as standard
- Finished in high gloss hardened black enamel paint

Application Notes:

- Designed with high temperature insulation (Class F) to prevent overheating when operated with a PWM inverter down to a 10:1 speed range from the printed gearmotor RPM
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft

pz SERIES – AZ



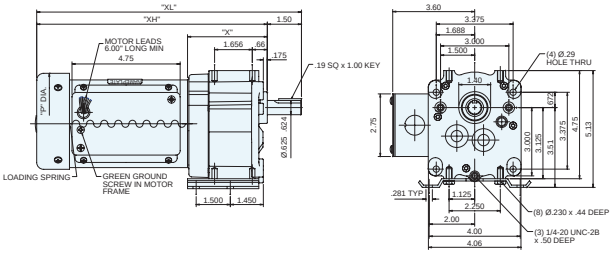
Three Phase - 230 Volt - TENV - PZ Series

Output RPM	F.L. Torque (Lb. In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @230V	Overhung Load (lb.)	Dimensions (inches)				♥Notes
											P	X	XL	XH	
19	100	1/15	**M1125282.00**	C/A	723	M31T17NZ26	PZ4-31	90	0.4	155	3.07	3.23	10.83	9.27	S, US
57	56	1/15	**M1125283.00**	√	653	M31T17NZ27	PZ3-31	30	0.4	155	3.07	2.43	10.03	8.47	S, US
142	24	1/15	**M1125284.00**	√	600	M31T17NZ28	PZ2-31	12	0.4	155	3.07	2.13	9.73	8.17	S, US
283	12	1/15	**M1125285.00**	√	600	M31T17NZ29	PZ2-31	6	0.4	155	3.07	2.13	9.73	8.17	S, US

C/A - Check Availability

♥ Note listing on inside back flap
Specifications are subject to change without notice

P240 SERIES – AC

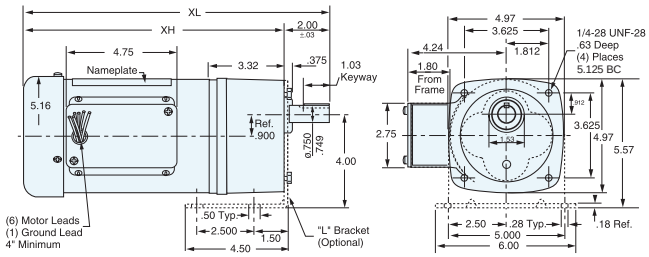


Three Phase - 230 Volt - TEFC - P240 Series

Output RPM	F.L. Torque (Lb. In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @230V	Overhung Load (lb.)	Dimensions (inches)				♥Notes
											P	X	XL	XH	
16	391	1/6	**M1145122.00**	√	732	M38T17FZ12	P243-38	103	0.7	237	4.43	3.5	11.63	10.13	S, US
30	295	1/6	**M1145123.00**	√	732	M38T17FZ14	P243-38	58	0.7	237	4.43	3.5	11.63	10.13	S, US
60	157	1/6	**M1145124.00**	√	676	M38T17FZ15	P242-38	29	0.7	237	4.43	3.5	11.63	10.13	S, US
90	103	1/6	**M1145125.00**	√	676	M38T17FZ16	P242-38	19	0.7	237	4.43	3.5	11.63	10.13	S, US
156	60	1/6	**M1145126.00**	√	676	M38T17FZ17	P242-38	10.6	0.7	237	4.43	3.5	11.63	10.13	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

PE350 THREE PHASE

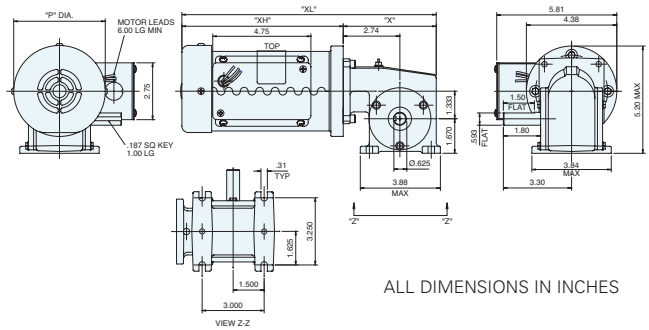


Three Phase - 230-460 Volt - TEFC - PE350 Series

Output RPM	F.L. Torque (Lb. In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @230V	Overhung Load (lb.)	Dimensions (inches)				♥Notes
											P	X	XL	XH	
9	341	1/6	**096065.00**	√	739	C42T17FZ34	PE353-42	180	1.0	327	5.16	3.32	12.57	10.57	S, US
29	300	1/4	**096066.00**	√	745	C42T17FZ29	PE353-42	58	1.2	327	5.16	3.32	13.07	11.07	S, US
58	244	1/4	**096067.00**	√	745	C42T17FZ30	PE353-42	30	1.2	327	5.16	3.32	13.07	11.07	S, US
85	165	1/4	**096068.00**	√	732	C42T17FZ31	PE352-42	20	1.2	327	5.16	3.32	13.07	11.07	S, US
173	92	1/4	**096069.00**	√	732	C42T17FZ32	PE352-42	10	1.2	327	5.16	3.32	13.07	11.07	S, US
325	50	1/4	**096070.00**	√	732	C42T17FZ33	PE352-42	5	1.2	327	5.16	3.32	13.07	11.07	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

13 SERIES – AC



ALL DIMENSIONS IN INCHES

Three Phase - 230 Volt - TEFC - Right-Angle Series

Output RPM	F.L. Torque (Lb. In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps @230V	Overhung Load (lb.)	Dimensions (inches)				♥Notes
											P	X	XL	XH	
29	238	3/8	**M1145127.00**	√	894	M38T17FZ7	13F60-38	60	1.3	235	4.43	4.5	12.31	7.81	S, US
43	228	3/8	**M1145128.00**	√	894	M38T17FZ8	13F40-38	40	1.3	235	4.43	4.5	12.31	7.81	S, US
86	138	3/8	**M1145129.00**	√	894	M38T17FZ9	13F20-38	20	1.3	235	4.43	4.5	12.31	7.81	S, US
172	105	3/8	**M1145130.00**	√	894	M38T17FZ10	13F10-38	10	1.3	235	4.43	4.5	12.31	7.81	S, US
345	54	3/8	**M1145131.00**	√	894	M38T17FZ11	13F05-38	5	1.3	235	4.43	4.5	12.31	7.81	S, US

♥ Note listing on inside back flap
Specifications are subject to change without notice

AC / DC Controls

Quick Reference

DC Adjustable Speed Drives

Speedmaster® DC drives for use with SCR rated motors. Models range from sub-FHP through 3 HP. NEMA® 1, NEMA 4/12 and NEMA 4X enclosures available. Low voltage controls available through 120 amps @12/24 V and 100 amps @ 36/48 V.

SM2/SM4 Series Flux Vector Sub-Micro AC Inverters

Speedmaster sensorless vector drives with "big drive" features and ultra-compact size. SM2 - 1/2 through 25 HP. IP31 enclosure — NEMA 1 Type. SM4 - 1/2 through 10 HP IP65 NEMA 4.

SM Series Sub-Micro AC Inverters

Speedmaster adjustable speed drives for simpler applications not requiring the advanced features of the SM-Plus Series. Models range from 1/3 through 25 HP. IP20 enclosure — chassis mount.

Micro Series NEMA Enclosed AC Inverters

Speedmaster adjustable speed drives with plain-English programming and read-out. Models range from 1/4 through 150 HP. NEMA 1 enclosure.

Micro Series Washguard® AC Inverters

Speedmaster adjustable speed drives in NEMA 4/12 and NEMA 4X enclosures. Plain-English programming and read-out. Models range from 1/4 through 125 HP.

Platinum *e*™ Series AC Inverters

Platinum *e*™ Series Drives are for use with an AC induction motor or a PMAC motor. IP20 enclosure protection. 1/3 HP through 30 HP.

NEW!

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LEESON®

LEESON® Speedmaster® inverters are feature rich controls offering great process control and operating efficiency for your AC Motors. With our broad family of controls, we have the solution for your application needs at a competitive price.

Basic Features	Micro Series	SM-Plus	SM-Basic	SM2 Vector	SM4 Vector	Platinum VSD	Platinum *e*™ VSD - Plus
Enclosure Type	IP31 & IP65/54	IP20	IP20	IP31	IP65	IP21	IP21
Enclosure Material	Steel	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Number Pre-set Speeds	4	7	7	8	8	16	16
Washdown Duty	Yes	No	No	No	Yes	No	No
FWD & REV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Password Protected	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dynamic Brake Kits	Yes	Yes	Yes	No	No	No	Yes
Relays	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EPM Programmable	No	Yes	Yes	Yes	Yes	Yes	Yes
Open Loop Vector	No	No	No	Yes	Yes	Yes	Yes
Closed Loop Vector	No	No	No	No	No	No	Yes
PMAC Motor Control	No	No	No	No	No	Yes	Yes
PID Software	Yes	No	No	Yes	Yes	Yes	No
Remote Keypads	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Slip Compensation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Speed Reference Signals	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Display - Words or codes	Words	3- digit	3 - digit	4 - digit	4 - digit	Words & Codes	Words & Codes
Adjustable carrier frequency	2.5 - 14 kHz	4 - 10 kHz	4 - 10 kHz	4 - 10 kHz	4 - 10 kHz	2 - 16 kHz	2 - 16 kHz
DC Braking	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fault History	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Max. HP @ 460 Volts	150	30	15	60	30	3	30
Max. HP @ 230 Volts	60	20	15	20	20	3	3
1 Phase Input / 3 Phase Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Output frequency	120	240 Hz	240 Hz	500 Hz	500 Hz	599 Hz	599 Hz

AC / DC Controls

DC Adjustable Speed Drives
SCR Thyristor Controls

LEESON® Speedmaster® DC Control Information

PWM and SCR Controls

General Specifications:

- General purpose for permanent magnet or shunt wound DC motors
- NEMA® 4X and 4/12 suitable for washdown applications
- Dual voltage capable on most designs – see HP range
- 115 / 230 volt single-phase input voltage – DC 90 volt or 180 volt output
- Adjustable minimum and maximum speed
- Speed pot included on chassis controls
- Adjustable IR compensation
- Heat sinks required as noted
- PWM controls provide quieter operation, lower motor temperature and greater motor overload capacity

Regenerative Controls

General Specifications:

- Four quadrant controls for precise motion control
- NEMA 4X or chassis style
- Motoring and braking torque regulation ¼ HP through 2 HP

For NEMA Frame Motors & Gearmotors
SCR Controls - Enclosed - Single Phase Input 50/60 Hz

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA 1 General Purpose						
— Non-Reversing	**174307.00**	460	10	1/8 to 1 Δ	1/4 to 2 Δ	5
— Reversing with dynamic braking	**174308.00**	629	10	1/8 to 1 Δ	1/4 to 2 Δ	5
— Heat Sink Δ	**174316.00**	103	—	—	—	1
NEMA 4X Washdown — Dust-Tight						
— Non-Reversing, Plastic Enclosure	**174102.00**	626	10	1/8 to 1 H	1/4 to 2	6
— Non-Reversing, Plastic Enclosure	**174103.00**	911	10	1/8 to 1 H	1/4 to 2	7
with Signal Follower						
— Reversing, Plastic Enclosure*	**174107.00**	850	10	1/8 to 1 H	1/4 to 2	7
NEMA 4						
— Non-Reversing 3HP	**174709.00**	1,203	15	—	3	8

See footnotes on page 363

Specifications are subject to change without notice

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LEESON® Speedmaster® DC Control Information

SCR Controls - Open Chassis

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
Chassis with Speed Pot-Non Reversing	**174311.00**	255	10	1/8 to 1 ◘	1/4 to 2 ◘	1
Chassis Heat Sink ◘	**174314.00**	76	—	—	—	1

Specifications are subject to change without notice

Regenerative SCR Drives - Four Quadrant - Full Wave

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA 4X Washdown ♠	**175720.00**	1,313	10	1/4 to 1 ▼	1/2 to 2 ▼	8
Open Chassis with Speed Pot ♠	**175721.00**	847	10	1/4 to 1 ▼	1/2 to 2 ▼	2
Chassis Heat Sink ▼	**175722.00**	147	—	—	—	2

Specifications are subject to change without notice

For Subfractional HP Motors & Gearmotors
PWM & SCR Controls - Enclosed - Single Phase Input 50/60 Hz

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA® 1 General Purpose						
—SCR Non-Reversing	**M1740005.00**	441	3	1/40 to 1/8	1/40 to 1/4	5
—SCR Reversing With Dynamic Braking	**M1740006.00**	596	3	1/40 to 1/8	1/40 to 1/4	5
—PWM Non-Reversing	**M1740008.00**	383	3	1/40 to 1/8	1/40 to 1/4	2

Specifications are subject to change without notice

PWM & SCR Controls - Open Chassis

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
Open Chassis SCR Type						
—Chassis with Speed Pot-Non Reversing	**M1740007.00**	245	1.5	1/40 to 1/8	1/40 to 1/4	1
Open Chassis PWM Type						
—Chassis with Speed Pot-Non Reversing	**M1740009.00**	285	2	1/40 to 1/8	—	1

* Drive does not have dynamic braking. Motor shaft must be at zero speed before reversing.
Δ Heat sink #174316 is required for NEMA 1 type 3/4 and 1HP 115V and 11/2 and 2HP 230V when the amp draw of the motor exceeds 5 amps.
◘ Chassis Heat Sink #174314 required for 3/4 and 1HP 115V and 11/2 and 2HP 230V when the amp draw of the motor exceeds 5 amps.
▼ Chassis Heat sink #175722 required for 1HP and above when the amp draw of the motor exceeds 5 amps.
♠ Regenerative drives are reversible and have regenerative braking.

Specifications are subject to change without notice

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AC / DC Controls

DC Adjustable Speed Drives - SCR Controls

15 Series

General Specifications:

- 0-90 / 0-180 volts DC
- Adjustable min. and max. speed
- Adjustable IR compensation
- Fixed acceleration - 5 seconds
- 5K ohm speed potentiometer included
- 25:1 speed range and 1% speed regulation

NEMA 4/12
Non-Reversing

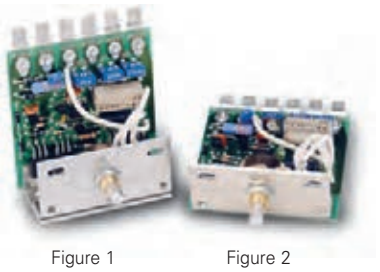

Figure 1 Figure 2

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA® 4/12 Non-Reversing	**174696.00**	297	3	1/3	2/3	1
Chassis - Figure 1	**174695.00**	171	2	1/6	1/6	1
Chassis - Figure 2	**174694.00**	171	2	1/6	1/6	1

Specifications are subject to change without notice

Low Voltage Adjustable Speed Controllers

General Specifications:

- Chassis type design
- DC input / DC output
- Speed potentiometer shipped loose
- High efficient designs increase battery life

Features:

- 40:1 speed range
- Holds speed control as battery discharges
- Adjustable min. and max. speeds
- IR compensation
- 200% current limit overload protection
- Inhibit pins provide optional start-stop
- Power on LED indicator

For NEMA Frame Motors & Gearmotors
SCR Controls - Enclosed - Single Phase Input 50/60 Hz

Input Voltage	Catalog Number	List Price	Output Amps	Dimensions (inches) Length	Width	Height	App. Wgt. (lbs.)
12/24	**175290.00**	551	16	6.90	4.44	2.19	2
12/24	**175291.00**	671	60	7.78	6.90	3.25	4
36/48	**175292.00**	671	60	7.78	6.90	3.25	4

Specifications are subject to change without notice

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General Specifications:

- Chassis type design
- DC input / DC output
- Speed potentiometer shipped loose
- High efficient designs increase battery life

Features:

- Sleep mode feature
- Accepts switch closure for reversing and braking
- Built-in short circuit protection
- 1.01 Form factor
- Built-in temperature sensor
- On board trim pots for calibration, speed and forward and reverse settings

Four Quadrant Control

Input Voltage	Catalog Number	List Price	Output Amps	Dimensions (inches)			App. Wgt. (lbs.)
				Length	Width	Height	
12/24	**174298.00**	1,191	120	6.90	5.00	2.50	3
36/48	**174299.00**	1,191	100	6.90	5.00	2.50	3

Specifications are subject to change without notice

Dual Mode - Dual Speed Controllers

- SCR Control designed to run two DC motors at the same time in either Independent mode or Slave/ Master mode
- Open chassis design
- Dual voltage, 115-230 VAC input with jumper
- Selectable 90/180 VDC output
- Jumper selectable speed and torque mode
- Two trim pots each for the minimum speed, maximum speed, IR compensation, current limit and acceleration/deceleration
- Comes standard with two potentiometers

HP	Input Voltage	Output Amps	Output Voltage	Catalog Number	List Price	App. Wgt. (lbs)
1 HP @ 90 VDC	115/230	10*	0-90/0-180	**174422.00**	396	3
2 HP @ 180 VDC						

* Heat sink 174314.00 is required if one side provides more than 5A or the output on both sides is more than 6.5A.
Specifications are subject to change without notice

Control Accessories

Description	Catalog Number	List Price
Inhibit Plug	**900282.01**	52
Speed Pot (10k/5w pot, washers & nut)	**006708.01**	66

Specifications are subject to change without notice

AC / DC Controls

FHP™ Series AC Controls

AC Adjustable Speed Drives

General Specifications:

The FHP Series volts/hertz-type AC drives are as simple to set-up and calibrate as an SCR-type DC drive.
Compact chassis design maintains industry standard mounting hole locations.

Features:

Common features for chassis and enclosed units:

- Compact size – (4.30" x 3.70")
- Output voltage on dual voltage models is jumper selectable and has voltage doubler
- Acceleration and deceleration trim pots
- Torque, maximum speed and torque limit trim pots
- Torque 'foldback' feature – Allows up to 200% torque for short periods
- 16kHz switching frequency, with option to change between 4 and 16kHz
- Adjustable torque boost for startup – Up to 200%
- Color-coded on-board LEDs for power, fault and torque limit
- Easy start/stop and direction control with enable and direction terminal connections
- Accepts speed reference from 0-5VDC isolated signal
- Speed potentiometer shipped loose
- Plug-in Process Control Module (PCM) kit available to accept 0-5 VDC, 0-10 VDC or 4-20mA input
- UL listed

Special features of the NEMA® 4X drive:

- NEMA® 4X enclosure
- Jumper selectable DC injection braking or coast to stop
- Brake time and current are adjustable
- Built-in isolation card to accept a speed reference signal
- Min speed adjustment
- Auto or manual restart after power loss

PARAMETER	SPECIFICATIONS FOR ALL FHP MODELS
Max load	150% for 5 minutes
Output frequency	0-120Hz
Output type	6 step PWM
Switching frequency	4-16kHz range* with 16kHz as factory default
Speed regulation and range	±3% of base speed; up to 50:1
On-board adjustable trim pots	Max speed, accel, decel, boost & torque limit
Adjustable maximum frequency range	32-120Hz
Adjustable accel and decel time range	1-12 seconds
Torque boost range	0-200%
LED indicators	Power (green), Fault‡ (red), Torque Limit (yellow)
Instantaneous over-current trip time	3 µsec
Analog reference input and impedance	0-5VDC isolated, ~100Kohm
Plug-in PCM isolator card input	0-5 VDC, 0-10VDC, 4-20mA
Ambient temperature range	0-40°C
Weight (Chassis Models)	1.2 lbs.
Vibration (>50Hz)	0.5G max (20-50Hz); 0.1G max
Approvals	UL, cUL

* Plug-in capacitor kit (175325.00) for field adjustments to less than 16khz
‡ Faults are Over-voltage, Under-voltage and Instantaneous Over Current trip

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Single Phase Input / Single or Three Phase Output

HP	Input Voltage	Output Amps	Output Voltage	Catalog Number	List Price	App. Wgt. (lbs)
1/4	115	2.4	115	**175320.00**	404	3
1/2	230	2.4	230	**175321.00**	404	3
1/2	115/230	2.4	230	**175310.00**	513	3
1/2	115	4.0	115	**175322.00**	502	4
1	230	4.0	230	**175323.00**	497	4
1	115/230	4.0	230	**175311.00**	650	4

Specifications are subject to change without notice

FHP Series AC Drices - Accessories

Description	Catalog Number	List Price	App. Wgt. (lbs)
Process Control Module (PCM) Kit*	**175324.00**	125	2
Carrier Frequency Capacitor Kit	**175325.00**	30	1

* PCM Kit is for use with chassis drives only.
Specifications are subject to change without notice

AC / DC Controls
FHP Series AC Drives - NEMA 4X (IP65)

- NEMA® 4X enclosure
- Min speed adjustment
- Jumper selectable features:
  – DC injection braking or coast to stop
  – Brake time and current are adjustable
  – Auto or manual restart after power loss
- Built-in isolation card to accept a speed reference signal

Single Phase Input / Three Phase Output

HP	Input Voltage	Output Amps	Output Voltage	Catalog Number	List Price	App. Wgt. (lbs)
1/6 - 1	115/230	4.0	230	**175326.00**	914	7

Specifications are subject to change without notice

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AC / DC Controls

Micro Series AC Inverters

NEMA® 1, IP31 Enclosure Protection

NEMA® 1

Features:

- Full feature, English read-out parameters
- 16 bit Intel microprocessor
- Choice of using factory "Quick Start" program settings
- Output frequency to 120 Hz. Higher frequency available
- 150% overload capacity for one minute
- Speed reference signals - potentiometer, 0-10 VDC or 4-20mA inputs
- Output signal, 0-10 VDC, speed or load
- Two auxiliary contacts, one form C relay and two open collector ouputs
- 4 preset speeds
- Slip compensation
- Adjustable carrier frequency
- Adjustable acceleration and deceleration times
- Forward and reverse
- Time and voltage adjustable DC braking
- Password protected
- Constant torque-with adjustable current limit
- Steel enclosure with aluminum heat sinks
- Dynamic braking kits available
- Remote keypads available
- PID software built-in for motor feedback
- UL Listed

PDF file of manual available at
www.leeson.com/Technical Information

NEMA 1 (IP31) - Single Phase Input / 230V Three Phase Output

(Use with three phase 230V motor)

HP	Output Amps @ 230 Volts	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
1/4	1.4	115/230	**174930.00**	1,091	5	A
1/2	2.2	115/230	**174997.00**	1,315	7	AC
1	4.0	115/230	**174931.00**	1,326	7	D
1 1/2	5.2	115/230	**174932.00**	1,469	7	D
2	6.8	200-230	**174933.00**	1,401	9	E
3	9.6	200-230	**174934.00**	1,542	9	E

Specifications are subject to change without notice

Dimension Table see page 388-389

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NEMA® 1, IP31 Enclosure Protection

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/2	2.2	200-240	**174914.00**	1,156	6	B
	1	4.0	200-240	**174915.00**	1,213	6	C
	1.5	5.2	200-240	**174916.00**	1,271	6	C
	2	6.8	200-240	**174917.00**	1,358	9	E
	3	9.6	200-240	**174918.00**	1,460	9	E
	5	15.2	200-240	**174919.00**	1,726	11	F
	7 1/2	25.0	200-240	**174545.00**	2,553	13	M
	10	28.0	200-240	**174551.00**	3,304	15	L
	15	42.0	200-240	**174557.00**	4,360	19	N
	20	54.0	200-240	**174560.00**	5,916	21	P
	25	68.0	200-240	**174569.00**	7,166	38	T
	30	80.0	200-240	**174571.00**	8,598	44	T
400-480 Volts	1	2.0	400-480	**174920.00**	1,455	6	B
	2	3.4	400-480	**174921.00**	1,596	7	D
	3	4.8	400-480	**174922.00**	1,726	9	E
	5	7.6	400-480	**174923.00**	1,942	9	E
	10	14.0	400-480	**174552.00**	3,583	13	M
	15	21.0	400-480	**174558.00**	4,601	15	L
	20	27.0	400-480	**174561.00**	6,104	17	N
	25	34.0	400-480	**174563.00**	7,197	21	P
	30	40.0	400-480	**174565.00**	7,836	21	P
	40	52.0	400-480	**174567.00**	9,031	35	T
	50	65.0	400-480	**174593.00**	11,007	44	W
	60	77.0	400-480	**174572.00**	12,094	67	W
	75	96.0	400-480	**174580.00**	15,331	185	AG
	100	124.0	400-480	**174582.00**	18,642	250	AH
	125	156.0	400-480	**174584.00**	20,946	260	AH
	150	180.0	400-480	**174586.00**	28,575	360	AL
480-590 Volts	1	1.6	480-590	**174925.00**	1,613	6	B
	2	2.7	480-590	**174926.00**	1,783	7	D
	3	3.9	480-590	**174927.00**	1,970	9	E
	5	6.1	480-590	**174928.00**	2,149	9	F
	7 1/2	9.0	480-590	**174929.00**	2,626	11	I
	10	11.0	480-590	**174553.00**	4,002	13	R
	15	17.0	480-590	**174559.00**	5,283	17	N
	20	22.0	480-590	**174562.00**	6,710	19	O
	25	27.0	480-590	**174564.00**	7,924	21	P
	30	32.0	480-590	**174566.00**	8,875	22	S
	40	41.0	480-590	**174599.00**	9,844	38	T
	50	52.0	480-590	**174594.00**	11,941	45	W
	60	62.0	480-590	**174573.00**	13,358	51	W

Specifications are subject to change without notice

Dimension Table see page 388-389

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AC / DC Controls

Washguard® Micro Series AC Inverters

NEMA® 4/12 (IP65/IP54)
Epoxy Coated

WASHGUARD NEMA® 4/12

General Specifications:

- Food-safe white epoxy finish
- No external cooling fan required
- Water, oil and dust-tight enclosure protected
- Same features as Micro Series inverters as shown on previous page

Three Phase Input / Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/2	2.2	200-240	**174935.00**	1,636	8	G
	1	4.0	200-240	**174936.00**	1,777	8	G
	1 1/2	5.2	200-240	**174482.00**	1,801	8	Y
	2	6.8	200-240	**174937.00**	1,903	10	H
	3	9.6	200-240	**174938.00**	2,059	11	J
	5	15.2	200-240	**174730.00**	2,538	11	K
	7 1/2	22.0	200-240	**174734.00**	3,520	27	Q
	10	28.0	200-240	**174737.00**	4,441	32	U
	15	43.0	200-240	**174740.00**	5,355	40	V
	20	54.0	200-240	**174743.00** ◂	6,876	42	AA
	25	68.0	200-240	**174595.00** ◂	9,422	53	Z
	30	80.0	200-240	**174596.00** ◂	9,983	53	Z
400-480 Volts	1	2.0	400-480	**174939.00**	2,001	8	G
	2	3.4	400-480	**174940.00**	2,208	10	H
	3	4.8	400-480	**174941.00**	2,367	10	H
	5	7.6	400-480	**174942.00**	2,616	11	J
	10	14.0	400-480	**174554.00**	4,421	11	Q
	15	21.0	400-480	**174749.00**	5,508	32	U
	20	27.0	400-480	**174752.00**	7,062	36	V
	25	34.0	400-480	**174755.00** ◂	8,154	42	AA
	30	40.0	400-480	**174757.00** ◂	8,912	53	AA
	40	52.0	400-480	**174513.00** ◂	10,309	54	Z
	50	65.0	400-480	**174511.00** ◂	11,963	75	AB
	60	77.0	400-480	**174574.00** ◂	13,470	98	AB
	75	96.0	400-480	**174581.00** ◂	16,628	200	AJ
	100	124.0	400-480	**174583.00** ◂	20,083	300	AO
	125	156.0	400-480	**174585.00** ◂	22,819	310	AO
480-590 Volts	1	1.6	480-590	**174943.00**	2,177	8	G
	2	2.7	480-590	**174944.00**	2,428	10	H
	3	3.9	480-590	**174945.00**	2,649	10	H
	5	6.1	480-590	**174946.00**	2,851	11	J
	7 1/2	9.0	480-590	**174549.00**	3,918	13	K
	10	11.0	480-590	**174556.00**	5,141	17	Q
	15	17.0	480-590	**174763.00**	6,210	38	U
	20	22.0	480-590	**174766.00**	7,560	40	V
	25	27.0	480-590	**174769.00** ◂	9,016	42	AA
	30	32.0	480-590	**174597.00** ◂	9,894	53	AA
	40	41.0	480-590	**174512.00** ◂	11,455	54	Z
	50	52.0	480-590	**174510.00** ◂	13,374	75	AB
	60	62.0	480-590	**174575.00** ◂	14,960	98	AB

◂ Enclosures are NEMA 12 only – others are NEMA 4/12
◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Dimension Table see page 388-389

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LEESON®

WASHGUARD NEMA® 4X

General Specifications:

- 300-Series stainless steel
- No external cooling fans
- Must be protected from caustic agents
- Same features as NEMA 1 Micro Series inverters

Three Phase Input / Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/2	2.2	200-240	**174527.00**	1,921	8	G
	1	4.0	200-240	**174528.00**	2,061	8	G
	1 1/2	5.2	200-240	**174529.00**	2,157	8	Y
	2	6.8	200-240	**174530.00**	2,286	10	H
	3	9.6	200-240	**174531.00**	2,402	11	J
	5	15.2	200-240	**174732.00**	3,344	11	K
	7 1/2	22.0	200-240	**174735.00**	4,116	27	Q
	10	28.0	200-240	**174738.00**	5,134	32	U
	15	43.0	200-240	**174741.00**	6,273	40	V
400-480 Volts	1	2.0	400-480	**174532.00**	2,264	8	G
	2	3.4	400-480	**174533.00**	2,566	10	H
	3	4.8	400-480	**174534.00**	2,752	10	H
	5	7.6	400-480	**174535.00**	3,142	11	J
	10	14.0	400-480	**174747.00**	5,277	11	Q
	15	21.0	400-480	**174750.00**	6,315	32	U
	20	27.0	400-480	**174753.00**	7,795	36	V
480-590 Volts	1	1.6	480-590	**174536.00**	2,460	8	G
	2	2.7	480-590	**174537.00**	2,746	10	H
	3	3.9	480-590	**174538.00**	2,971	10	H
	5	6.1	480-590	**174539.00**	3,362	11	J
	7 1/2	9.0	480-590	**174759.00**	4,545	13	K
	10	11.0	480-590	**174761.00**	5,832	17	Q
	15	17.0	480-590	**174764.00**	7,005	38	U
	20	22.0	480-590	**174767.00**	8,470	40	V

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Dimension Table see page 388-389

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AC / DC Controls

Washguard® Micro Series AC Inverters

NEMA® 4X (IP65)
Stainless Steel

Washguard NEMA 4X (IP65) Stainless Steel - Single Phase Input - 230 Volt Three Phase Output

(Use with three phase 230V motor)

HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
1/4	1.4	115/230	**174519.00**	1,879	8	AD
1/2	2.2	115/230	**174520.00**	2,089	8	X
1	4.0	115/230	**174521.00**	2,239	11	H
1 1/2	5.2	115/230	**174517.00**	2,752	11	H
2	6.8	208-230	**174525.00**	2,354	11	H
3	9.6	208-230	**174526.00**	2,469	12	J

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Dimension Table see page 388-389

Washguard NEMA 4 (IP65) Epoxy Coated - Single Phase Input - 230 Volt Three Phase Output

(Use with three phase 230V motor)

HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
1/4	1.4	115/230	**174996.00**	1,481	8	AD
1/2	2.2	115/230	**174998.00**	1,617	8	X
1	4.0	115/230	**174999.00**	1,770	11	H
1 1/2	5.2	115/230	**174515.00**	2,080	11	H
2	6.8	208-230	**174475.00**	1,884	11	H
3	9.6	208-230	**174729.00**	1,995	12	J

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Dimension Table see page 388-389

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NEW!

General Specifications:

- New state of the art inverter designs
- Space saving design: 2.36 in. (60 mm) wide, 5.12 in. (130 mm) deep, also zero-clearance mounting
- RoHS2-Compliance
- Fulfills IE2 according to new EN 50598-2
- Out of the box commissioning
- Easy commissioning with memory module
- Improved usability for easy commissioning
- Parameterization with USB module without external power supply
- Innovative interface options enable set-up times faster than ever before
- The wide-ranging modular system enables various product configurations depending on machine requirements
- Spring loaded control terminals (fixed)
- More functionalities for advanced application
- Fieldbus - CANopen/Modbus (optional)
- VFC Eco mode for more energy savings
- The Platinum e VSD is recommended in applications for pumps and fans, conveyors, formers, winders and machine tools

Features: Three set-up methods

- Keypad - If you only need to set up a few parameters, such as acceleration time, this can be done quickly from the keypad
- Smart Keypad for use with an Android App. Enables adjustment to a simple application such as a conveyor
- Easy Starter - For use if the function is needing a potentionmeter or control, for positioning application needs to be set.

AC / DC Controls

Platinum *e*™ VSD Series

IP20 Enclosure Protection

NEW!

For Use With Three Phase Induction or PMAC Motors

Fieldbus	Input Voltage	HP	Output Amps	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in)
N/A	230/240 Volts - 1 or 3 Phase	1/3	1.7	**176105.00**	315	2	6.1 x 2.36 x 5.12
		1/2	2.4	**176106.00**	370	2	6.1 x 2.36 x 5.12
		3/4	3.2	**176107.00**	411	2	7.09 x 2.36 x 5.12
		1	4.2	**176108.00**	438	2	7.09 x 2.36 x 5.12
		1 1/2	6.0	**176109.00**	507	3	9.84 x 2.36 x 5.12
		2	7.0	**176110.00**	589	3	9.84 x 2.36 x 5.12
		3	9.6	**176111.00**	671	3	9.84 x 2.36 x 5.12
CANopen/Modbus	230/240 Volts - 1 or 3 Phase	1/3	1.7	**176112.00**	397	2	6.1 x 2.36 x 5.12
		1/2	2.4	**176113.00**	452	2	6.1 x 2.36 x 5.12
		3/4	3.2	**176114.00**	493	2	7.09 x 2.36 x 5.12
		1	4.2	**176115.00**	520	2	7.09 x 2.36 x 5.12
		1 1/2	6.0	**176116.00**	589	3	9.84 x 2.36 x 5.12
		2	7.0	**176117.00**	671	3	9.84 x 2.36 x 5.12
		3	9.6	**176118.00**	753	3	9.84 x 2.36 x 5.12
N/A	400/480 Volts - 3 Phase	1/2	1.3	**176120.00**	658	2	6.1 x 2.36 x 5.12
		3/4	1.8	**176121.00**	684	2	7.09 x 2.36 x 5.12
		1	2.4	**176122.00**	712	2	7.09 x 2.36 x 5.12
		1 1/2	3.2	**176123.00**	753	3	9.84 x 2.36 x 5.12
		2	3.9	**176124.00**	807	3	9.84 x 2.36 x 5.12
		3	5.6	**176125.00**	890	3	9.84 x 2.36 x 5.12
CANopen/Modbus	400/480 Volts - 3 Phase	1/2	1.3	**176127.00**	740	2	6.1 x 2.36 x 5.12
		3/4	1.8	**176128.00**	766	2	7.09 x 2.36 x 5.12
		1	2.4	**176129.00**	794	2	7.09 x 2.36 x 5.12
		1 1/2	3.2	**176130.00**	835	3	9.84 x 2.36 x 5.12
		2	3.9	**176131.00**	890	3	9.84 x 2.36 x 5.12
		3	5.6	**176132.00**	972	3	9.84 x 2.36 x 5.12

Specifications are subject to change without notice

Accessories	Catalog Number	List Price
Keypad Interface	**174356.00**	95
USB Interface	**174357.00**	69
WiFi Direct Interface Module	**174358.00**	221
Blank Interface Cover (4-pack)	**174359.00**	35

Specifications are subject to change without notice

LEESON

NEW!

AC / DC Controls

Platinum *e*™ VSD - Plus Series

IP20 Enclosure Protection

General Specifications:

- New state of the art inverter designs
- Space saving design: 2.36 in. (60 mm) wide, 5.12 in. (130 mm) deep, also zero-clearance mounting
- RoHS2-Compliance
- Fulfills IE2 according to new EN 50598-2
- Out of the box commissioning
- Easy commissioning with memory module
- Improved usability for easy commissioning
- Parameterization with USB module without external power supply
- The wide-ranging modular system enables various product configurations depending on machine requirements
- The wide-ranging modular system enables various product configurations depending on machine requirements
- The Platinum e VSD is recommended in applications for pumps and fans, conveyors, formers, winders and machine tools
- Pluggable control terminal
- More functionalities for advanced application
- Fieldbus - EtherCAT, EtherNet/IP, Profinet, CANopen, Modbus, Profibus, (options)
- VFC Eco mode for more energy savings
- Innovative interface options enable set-up times faster than ever before

Features: Three set-up methods

- Keypad - If you only need to set up a few parameters, such as acceleration time, this can be done quickly from the keypad
- Smart Keypad for use with an Android App. Enables adjustment to a simple application such a conveyor
- Easy Starter - For use if the function is needing a potentionmeter or control for a positioning application needs to be set

AC / DC Controls

Platinum *e*™ VSD - Plus Series

IP20 Enclosure Protection

NEW!

For Use With Three Phase Induction or PMAC Motors - Power Units

Input Voltage	HP	Output Amps	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in)
230/240 Volts - 1 or 3 Phase	1/3	1.7	**176133.00**	329	2	6.1 x 2.36 x 5.12
	1/2	2.4	**176134.00**	383	2	6.1 x 2.36 x 5.12
	3/4	3.2	**176135.00**	424	2	7.09 x 2.36 x 5.12
	1	4.2	**176136.00**	478	2	7.09 x 2.36 x 5.12
	1 1/2	6.0	**176137.00**	561	3	9.84 x 2.36 x 5.12
	2	7.0	**176138.00**	671	3	9.84 x 2.36 x 5.12
	3	9.6	**176139.00**	807	3	9.84 x 2.36 x 5.12
400/480 Volts - 3 Phase	1/2	1.3	**176140.00**	658	2	6.1 x 2.36 x 5.12
	3/4	1.8	**176141.00**	725	2	7.09 x 2.36 x 5.12
	1	2.4	**176142.00**	794	2	7.09 x 2.36 x 5.12
	1 1/2	3.2	**176143.00**	931	3	9.84 x 2.36 x 5.12
	2	3.9	**176144.00**	1,067	3	9.84 x 2.36 x 5.12
	3	5.6	**176145.00**	1,247	3	9.84 x 2.36 x 5.12
	5	9.5	**176146.00**	1,630	5	9.84 x 3.54 x 5.12
	7 1/2	13.0	**176147.00**	1,957	5	9.84 x 3.54 x 5.12
	10	16.5	**176148.00**	2,586	8	10.83 x 4.72 x 5.12
	15	23.5	**176149.00**	3,355	8	10.83 x 4.72 x 5.12
	20	32.0	**176150.00**	4,463	23	13.78 x 8.07 x 9.06
	25	40.0	**176151.00**	5,463	23	13.78 x 8.07 x 9.06
	30	47.0	**176152.00**	5,954	23	13.78 x 8.07 x 9.06

Specifications are subject to change without notice

Control Units

Type	Catalog Number	List Price
Standard I/O	**174362.00**	136
Application I/O	**174363.00**	219
CANopen - Standard I/O	**174364.00**	219
Modbus-RTU - Standard I/O	**174365.00**	219
Profibus-DP - Standard I/O	**174366.00**	275
EtherCat - Standard I/O	**174367.00**	355
Profinet - Standard I/O	**174368.00**	383
EtherNet/IP - Standard I/O	**174369.00**	355

Specifications are subject to change without notice

Accessories	Catalog Number	List Price
Keypad Interface	**174356.00**	95
USB Interface	**174357.00**	69
WiFi Direct Interface Module	**174358.00**	221
Blank Interface Cover (4-pack)	**174359.00**	35
Remote Keypad Kit	**174370.00**	180

Specifications are subject to change without notice

LEESON

General Specifications:

- Designed to be used with vector duty rated AC motors
- Open loop flux vector designs
- Typical applications would include: food processing, machinery, material handling and HVAC systems
- Enclosure: NEMA1, IP31, -10 to 55°C, 2.5% derate per °C above 40°C

Standard Features:

Easy Set-up and Operation: Program the vector control in one of four convenient ways:

- From the front of the drive
- The optional remote keypad
- A PC using TechLink software (Available free from www.leeson.com)
- The innovative EPM programmer

Modes of operation:

- Open loop flux vector (speed or torque)
- V/Hz (constant or variable)
- Enhanced V/Hz with auto-tuning

Easy to Use Keypad & Display
6-Button Interface:

- Start
- Stop
- Forward/reverse
- Scroll up
- Scroll down
- Enter/mode

Vivid Illumination:

- 4 digit LED display
- Easy to read from a distance
- Movable decimal point

Acceleration/Deceleration Profiles:

- Two Independent accel ramps
- Two Independent decel ramps
- Linear or S-type
- Auxiliary ramp-to-stop

Output Frequency:

- 500 Hz Std., 1000 Hz optional

Selectable Logic Assertion:

- Positive logic input (PNP current sourcing)
- Negative logic input (NPN current sinking)

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AC / DC Controls

SM2 Series Flux Vector Series AC Inverters

NEMA® 1 IP31 Enclosure Protection

Multiple Braking Functions

- Loss of follower management
- Speed commands: keypad, jog, floating point control
- Voltage: Scalable 0-10 VDC
- Current: Scalable 4-20 mA, potentiometer
- 8 preset speeds
- Process control: PID modes: direct or reverse acting
- PID sleep mode
- Voltage monitoring
- Current monitoring
- Real time monitoring: 8 register fault history, software version drive network ID, DC bus
- Voltage (V), motor voltage (V), output current (%)
  Motor current (A), motor torque (%), power (kW)
  Energy consumption (kWh), heatsink
- Temperature (°C), 0-10 VDC input (user defined), 4-20 mA input (user defined) PID feedback (user defined), analog output (% load, % torque, kW), network speed (baud rate), terminal continuity, keypad status
- Elapsed run time (hours), elapsed power on time (hours)
- Standards: UL (USA), cUL (Canada), CE (Europe), GOST (Russia/Ukraine) C-Tick (Australia/New Zealand)

Single Phase Input / 230 Volt Three Phase Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
115-230 Volts	1/3	1.7	115/230	**174603.00**	571	3	7.5 x 3.9 x 4.35
	1/2	2.4	115/230	**174604.00**	587	3	7.5 x 3.9 x 4.35
	1	4.2	115/230	**174605.00**	654	3	7.5 x 3.9 x 4.35
	1 1/2	6.0	115/230	**174651.00**	824	5	7.5 x 3.9 x 5.45

Specifications are subject to change without notice

Single or Three Phase Input / 230 Volt Three Phase Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
208-240 Volts	1/3	1.7	208/240	**174606.00£**	520	3	7.5 x 3.9 x 4.35
	1/2	2.4	208/240	**174607.00**	546	3	7.5 x 3.9 x 4.35
	1	4.2	208/240	**174608.00**	577	3	7.5 x 3.9 x 4.35
	1 1/2	6.0	208/240	**174609.00**	643	4	7.5 x 3.9 x 5.45
	2	7.0	208/240	**174610.00**	699	4	7.5 x 3.9 x 5.45
	3	9.6	208/240	**174611.00**	885	4	7.5 x 3.9 x 5.45

£ LEESON® model 174606.00 is single-phase input only
◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

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Three Phase Input / Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1 1/2	6.0	200/240	**174612.00**	615	4	7.5 x 3.9 x 5.45
	2	7.0	200/240	**174613.00**	661	4	7.5 x 3.9 x 5.45
	3	9.6	200/240	**174614.00**	830	4	7.5 x 3.9 x 5.45
	5	16.5	200/240	**174615.00**	991	4	7.5 x 3.9 x 5.8
	7 1/2	23.0	200/240	**174616.00**	1,323	7	9.83 x 5.12 x 6.3
	10	29.0	200/240	**174617.00**	1,634	7	9.83 x 5.12 x 6.3
	15	42.0	200/240	**174618.00**	2,540	20	12.33 x 6.88 x 8.08
	20	54.0	200/240	**174619.00**	3,122	20	12.33 x 6.88 x 8.08
400-480 Volts	1/2	1.1	400/480	**174620.00**	631	3	7.5 x 3.9 x 4.35
	1	2.1	400/480	**174621.00**	677	3	7.5 x 3.9 x 4.35
	1 1/2	3.0	400/480	**174622.00**	734	4	7.5 x 3.9 x 5.45
	2	3.5	400/480	**174623.00**	783	4	7.5 x 3.9 x 5.45
	3	4.8	400/480	**174624.00**	922	4	7.5 x 3.9 x 5.45
	5	8.2	400/480	**174625.00**	1,043	4	7.5 x 3.9 x 5.8
	7 1/2	11.0	400/480	**174626.00**	1,321	7	9.83 x 5.12 x 6.3
	10	14.0	400/480	**174627.00**	1,632	7	9.83 x 5.12 x 6.3
	15	21.0	400/480	**174628.00**	2,547	20	12.33 x 6.88 x 8.08
	20	27.0	400/480	**174629.00**	3,131	20	12.33 x 6.88 x 8.08
	25	35.0	400/480	**174630.00**	3,886	20	12.33 x 6.88 x 8.08
	30	45.0	400/480	**174991.00**	4,613	14	12.5x6.92x8.09
	40	59.0	400/480	**174992.00**	5,129	24	14.19x8.72x10.07
	50	74.0	400/480	**174710.00**	7,045	31	17.19x8.72x10.07
	60	87.0	400/480	**174711.00**	8,572	35	20.19x8.72x10.07
480-590 Volts	1	1.7	480/590	**174631.00**	780	3	7.5 x 3.9 x 4.35
	2	2.7	480/590	**174632.00**	870	4	7.5 x 3.9 x 5.45
	3	3.9	480/590	**174633.00**	1,005	4	7.5 x 3.9 x 5.45
	5	6.1	480/590	**174634.00**	1,136	4	7.5 x 3.9 x 5.8
	7 1/2	9.0	480/590	**174635.00**	1,418	7	9.83 x 5.12 x 6.3
	10	11.0	480/590	**174636.00**	1,749	7	9.83 x 5.12 x 6.3
	15	17.0	480/590	**174637.00**	2,806	20	12.33 x 6.88 x 8.08
	20	22.0	480/590	**174638.00**	3,614	20	12.33 x 6.88 x 8.08
	25	27.0	480/590	**174639.00**	4,185	20	12.33 x 6.88 x 8.08

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

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AC / DC Controls

SM4 Series Flux Vector Series AC Inverters
NEMA® 4 IP65 Enclosure Protection

General Specifications:

- Indoor use only inverter that is designed to be used with vector duty motors
- Typical applications would include: packaging machinery, food processing, conveying systems, machinery and HVAC systems
- Enclosure: NEMA 4, IP65, -10 to 55°C, derate per °C above 40°C

Standard Features:

Easy Set-up and Operation: Program the Vector control in one of four convenient ways:

- From the front of the drive
- The optional remote keypad
- A PC Using TechLink software (Available free from www.leeson.com)
- The innovative EPM programmer

Modes of operation:

- Open Loop Flux Vector (speed or torque)
- V/Hz (constant or variable)
- Enhanced V/Hz with auto-tuning

Easy to Use Keypad & Display 6-Button Interface:

- Start
- Stop
- Forward/reverse
- Scroll up
- Scroll down
- Enter/mode

Vivid Illumination:

- 4 digit LED display
- Easy to read from a distance
- Movable decimal point

Acceleration/Deceleration Profiles:

- Two independent accel ramps
- Two independent decel ramps
- Linear or S-type
- Auxiliary ramp-to-stop

Output Frequency:

- 500 Hz Std., 1000 Hz optional

Selectable Logic Assertion:

- Positive logic input (PNP current sourcing)
- Negative logic input (NPN current sinking)

Multiple Braking Functions

- Loss of follower management
- Speed commands: keypad, jog, floating point control
- Voltage: scalable 0-10 VDC
- Current: scalable 4-20 mA, potentiometer
- 8 Preset speeds
- Process control: PID modes: direct or reverse acting
- PID sleep mode
- Voltage monitoring
- Current monitoring
- Real time monitoring: 8 register fault history, software version drive network ID, DC bus
- Voltage (V), motor voltage (V), output current (%) motor current (A), motor torque (%), power (kW) energy consumption (kWh), heatsink
- Temperature (°C), 0-10 VDC input (user defined), 4-20 mA input (user defined) PID feedback (user defined), analog output (% load, % torque, kW), network speed (baud rate), terminal continuity, keypad status
- Elapsed run time (hours), elapsed power on time (hours)
- Standards: UL (USA), cUL (Canada), CE (Europe), GOST (Russia/Ukraine) C-Tick (Australia/New Zealand)

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Single Phase Input / Three Phase Output

(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
115/230 Volts	1/2	2.4	115/230	**174652.00**	758	4	8.0 x 6.28 x 4.47
	1	4.2	115/230	**174653.00**	864	4	8.0 x 6.28 x 4.47
	1 1/2	6.0	115/230	**174654.00**	1,052	4	8.0 x 6.28 x 4.47

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Single or Three Phase Input / Three Phase Output

(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
208-240 Volts	1/2	2.4	208-240	**174655.00**	682	4	8.0 x 6.28 x 4.47
	1	4.2	208-240	**174656.00**	731	4	8.0 x 6.28 x 4.47
	1 1/2	6.0	208-240	**174657.00**	855	6	8.0 x 6.28 x 6.31
	2	7.0	208-240	**174658.00**	927	6	8.0 x 6.28 x 6.31
	3	9.6	208-240	**174659.00**	1,109	7	8.0 x 7.12 x 6.77

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
208-240 Volts	5	16.5	208-240	**174660.00**	1,378	12	10.0 x 8.96 x 8.0
	7 1/2	23.0	208-240	**174661.00** ∫	1,853	11	10.0 x 8.04 x 8.0
	10	29.0	208-240	**174662.00** ∫	2,339	11	10.0 x 8.04 x 8.0
	15	42.0	208-240	**174699.00** ∫	3,297	25	14.5 x 9.42 x 9.45
	20	54.0	208-240	**174700.00** ∫	4,495	26	14.5 x 9.42 x 9.45
400-480 Volts	1/2	1.1	400-480	**174671.00**	817	4	8.0 x 6.28 x 4.47
	1	2.1	400-480	**174672.00**	879	4	8.0 x 6.28 x 4.47
	1 1/2	3.0	400-480	**174673.00**	951	6	8.0 x 6.28 x 6.31
	2	3.5	400-480	**174674.00**	1,036	6	8.0 x 6.28 x 6.31
	3	4.8	400-480	**174675.00**	1,181	6	8.0 x 6.28 x 6.31
	5	8.2	400-480	**174676.00**	1,464	12	10.0 x 8.96 x 8.0
	7 1/2	11.0	400-480	**174677.00**	1,844	12	10.0 x 8.96 x 8.0
	10	14.0	400-480	**174678.00** ∫	2,204	11	10.0 x 8.04 x 8.0
	15	21.0	400-480	**174701.00** ∫	3,181	25	14.5 x 9.42 x 9.45
	20	27.0	400-480	**174702.00** ∫	4,261	26	14.5 x 9.42 x 9.45
	25	34.0	400-480	**174703.00** ∫	5,332	26	14.5 x 9.42 x 9.45
	30	40.0	400-480	**174704.00** ∫	6,152	31	18.5 x 9.42 x 9.45
480-590 Volts	1	1.7	480-590	**174663.00**	951	4	8.0 x 6.28 x 4.47
	2	2.7	480-590	**174664.00**	1,125	6	8.0 x 6.28 x 6.31
	3	3.9	480-590	**174665.00**	1,301	6	8.0 x 6.28 x 6.31
	5	6.1	480-590	**174666.00**	1,608	12	10.0 x 8.96 x 8.0
	7 1/2	9.0	480-590	**174667.00**	2,035	12	10.0 x 8.96 x 8.0
	10	11.0	480-590	**174668.00** ∫	2,425	11	10.0 x 8.04 x 8.0

◘ User programmable for 50Hz and other voltage inputs
∫ = Fan cooled - other controls are convection cooled

Specifications are subject to change without notice

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AC / DC Controls

SM Plus Sub-Micro AC Inverters

IP20 Enclosure Protection

SM PLUS

General Specifications:

- Ultra-compact designs include 18 isolated I/O terminals plus
- RS485 *Modbus® serial communication

Features:

- Removable electronic programming module
- Input line voltage calibration—optimizes over and under voltage trip levels
- Current limit to 180% with frequency foldback
- Adjustable carrier frequency (4 to 10 kHz)
- Adjustable V/Hz
- Output frequency to 240 Hz
- Seven preset speeds
- Automatic restart after fault
- Control via drive face, terminal strip or optional remote keypad
- Coast or ramp to stop
- Independent accel and decel adjustment
- Forward only or forward and reverse direction
- Adjustable DC injection braking
- Speed reference: Keypad, 0-10 VDC, or 4-20 mA
- Speed reference calibration
- Speed and load indicating output signal selection: 0-10 VDC or 4-20mA
- Output signal calibration
- Fixed boost for high starting torque
- Accel boost for high torque accelerating at any speed
- Slip compensation
- Three-digit LED display
- Password protection
- Fault history: Stores eight previous trips
- Terminal status indication
- IP20 enclosure with finger safe terminals
- Dynamic braking and remote keypad kits available on pages 390-391

Single Phase Input / Three Phase Output

(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
115/230 Volts	1	4.2	115/230	**174492.00**	1,021	4	B1
	1 1/2	6.0	115/230	**174445.00**	1,151	5	B1

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

*Modbus is a trademark or trade name of Schneider Electric.
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Single or Three Phase Input / Three Phase Output

(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/4	1.4	200-240	**174452.00**	732	2	A1
	1/2	2.2	200-240	**174453.00**	765	2	A1
	1	4.2	200-240	**174454.00**	821	3	A2
	1 1/2	6.0	200-240	**174493.00**	977	4	B1
	2	6.8	200-240	**174494.00**	1,080	5	B2
	3	9.6	200-240	**174495.00**	1,309	5	B2
	5	15.2	200-240	**174444.00**	1,797	8	C1

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1	4.2	200-240	**174455.00**	756	3	A2
	1 1/2	6.0	200-240	**174456.00**	888	3	A3
	2	6.8	200-240	**174457.00**	981	4	A3
	3	9.6	200-240	**174458.00**	1,169	4	A3
	5	15.2	200-240	**174446.00**	1,504	4	B2
	7 1/2	22.0	200-240	**174438.00**	2,057	8	C1
	10	28.0	200-240	**174439.00**	2,456	8	C1
	15	42.0	200-240	**174429.00**	3,180	13	D1
	20	54.0	200-240	**174430.00**	3,901	14	D1
400-480 Volts	1/2	1.1	400-480	**174459.00**	852	2	A1
	1	2.1	400-480	**174460.00**	917	3	A2
	1 1/2	3.0	400-480	**174461.00**	1,003	3	A3
	2	3.4	400-480	**174462.00**	1,106	4	A3
	3	4.8	400-480	**174463.00**	1,235	4	A3
	5	7.6	400-480	**174447.00**	1,574	5	B2
	7 1/2	11.0	400-480	**174440.00**	2,057	8	C1
	10	14.0	400-480	**174441.00**	2,456	8	C1
	15	21.0	400-480	**174431.00**	3,118	13	D1
	20	27.0	400-480	**174432.00**	3,819	14	D1
	25	34.0	400-480	**174433.00**	4,545	14	D1
	30	40.0	400-480	**174500.00**	5,282	14	D1
480-590 Volts	1	1.7	480-590	**174464.00**	981	3	A2
	2	3.0	480-590	**174491.00**	1,175	4	A3
	3	4.2	480-590	**174497.00**	1,395	5	B2
	5	6.6	480-590	**174448.00**	1,707	5	B2
	7 1/2	9.9	480-590	**174442.00**	2,216	8	C1
	10	12.2	480-590	**174443.00**	2,626	8	C1
	15	19.0	480-590	**174434.00**	3,440	8	D1
	20	24.0	480-590	**174435.00**	4,206	14	D1
	25	27.0	480-590	**174436.00**	4,976	14	D1

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Dimension Table see page 387

AC / DC Controls

SM Series Sub-Micro AC Inverters

IP20 Enclosure Protection

SM SERIES

General Specifications:

- For applications that require less control features that you may find in the SM-Plus series inverters
- Provides 11 isolated I/O terminals with one Form A relay output

Features:

- Removable electronic programming module
- Input line voltage calibration—optimizes over and under voltage trip levels
- Current limit to 180% with frequency foldback
- Adjustable carrier frequency (4 to 10 kHz)
- Adjustable V/Hz
- Output frequency to 240 Hz
- Seven preset speeds
- Automatic restart after fault
- Control via drive face, terminal strip or optional remote keypad
- Coast or ramp to stop
- Independent accel and decel adjustment
- Forward only or forward and reverse direction
- Adjustable DC injection braking
- Speed reference: Keypad, 0-10 VDC, or 4-20 mA
- Speed reference calibration
- Fixed boost for high starting torque
- Accel boost for high torque accelerating at any speed
- Slip compensation
- Three-digit LED display
- Password protection
- Fault history: Stores eight previous trips
- Terminal status indication
- Default parameter reset
- IP20 enclosure with finger safe terminals
- Dynamic braking and remote keypad kits available on page 386

Single Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
110-120 Volts	1/3	1.7	110-120	**174263.00**	498	2	A5
	1/2	2.4	110-120	**174264.00**	540	2	A5
	1	4.2	110-120	**174265.00**	717	3	B5
	1 1/2	6.0	110-120	**174266.00**	814	3	B5

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Single Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/3	1.7	200-240	**174267.00**	460	2	A5
	1/2	2.4	200-240	**174268.00**	485	2	A5
	1	4.2	200-240	**174270.00**	540	3	A6
	1 1/2	6.0	200-240	**174271.00**	650	4	B5
	2	7.0	200-240	**174272.00**	766	5	B5
	3	9.6	200-240	**174273.00**	899	5	B6

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage ◘	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/2	2.4	200-240	**174274.00**	460	2	A5
	1	4.2	200-240	**174276.00**	511	2	A6
	1 1/2	6.0	200-240	**174277.00**	608	3	A7
	2	7.0	200-240	**174278.00**	694	3	A7
	3	9.6	200-240	**174279.00**	769	3	B6
	5	15.2	200-240	**174288.00**	980	5	B2
	7 1/2	22.0	200-240	**174280.00**	1,354	8	C1
	10	28.0	200-240	**174290.00**	1,377	8	C1
	15	42.0	200-240	**174292.00**	2,476	14	D1
400-480 Volts	1/2	1.1	400-480	**174281.00**	617	2	A1
	1	2.1	400-480	**174282.00**	659	3	A2
	1 1/2	3.0	400-480	**174283.00**	715	3	A3
	2	3.4	400-480	**174284.00**	765	4	A3
	3	4.8	400-480	**174286.00**	837	4	B1
	5	7.8	400-480	**174287.00**	1,002	5	B2
	7 1/2	11.0	400-480	**174285.00**	1,301	5	B2
	10	14.0	400-480	**174291.00**	1,550	8	C1
	15	21.0	400-480	**174293.00**	1,832	8	C1

◘ User programmable for 50Hz and other voltage inputs

Specifications are subject to change without notice

Dimension Table see page 387

AC / DC Controls

AC Control Kits

Dynamic Braking Components For The Micro Series Drives Micro Series Drives can be modified to include dynamic braking. The modifications involve replacing board(s) inside of the drive as well as adding a Dynamic Braking Resistor in a separate enclosure. Larger drives require a combination of Dynamic Braking Board and an additional Form C Relay Board. Instructions are included with the boards. Also available as a modification, see Mod Squad section.

Dynamic Braking Boards*

Drive HP	Drive Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/2-3	All	**174184.00**	454	2
5	200-230V	**174185.00**	494	2
	460-480V	**174185.00**	494	2
	550-575V	**174184.00**	454	2

* Dynamic braking resistors are required with the dynamic braking boards
Specifications are subject to change without notice

Dynamic Braking Boards With Form C Relay Board*

Drive HP	Drive Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
7 1/2	200-230V	**174192.00**	436	2
10-60	All	**174192.00**	436	2

* Dynamic braking resistors are required with the dynamic braking boards
Specifications are subject to change without notice

Dynamic Braking Resistors**

Drive HP	Drive Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/2	200-230V	**174178.00**	200	1
1	200-230V	**174179.00**	200	1
	460-480V	**174179.00**	200	1
	550-575V	**174178.00**	200	1
1 1/2	200-230V	**174179.00**	200	1
2	200-230V	**174180.00**	200	1
	460-480V	**174180.00**	200	1
	550-575V	**174179.00**	200	1
3	200-230V	**174182.00**	282	1
	460-480V	**174182.00**	282	1
	550-575V	**174181.00**	282	1
5	200-230V	**174183.00**	282	1
	460-480V	**174183.00**	282	1
	550-575V	**174182.00**	282	1
7 1/2	200-230V	**174143.00**	327	1
	460-480V	**174143.00**	327	1
	550-575V	**174148.00**	327	1
10	200-230V	**174143.00**	327	1
	460-480V	**174143.00**	327	1
	550-575V	**174148.00**	327	1
15-20	200-230V	**174144.00**	498	1
	460-480V	**174144.00**	498	1
	550-575V	**174149.00**	510	1
25-30	200-230V	**174145.00**	840	1
	460-480V	**174145.00**	840	1
	550-575V	**174140.00**	861	1
40	460-480V	**174146.00**	1,096	1
	550-575V	**174141.00**	1,096	1
50-60	460-480V	**174147.00**	1,267	1
	550-575V	**174142.00**	1,267	1

** Dynamic braking Resistors are provided with mounting brackets
Specifications are subject to change without notice

AC Control Kits

Cable and Keypad are purchased separately. Installing the remote keypad and cable involves partially dis-assembling the drive. Instructions are included with the keypad. Also available as a modification, see Mod Squad section.

Remote Keypads & Cables

(For Micro Series, NEMA® 1, Drives*)

Item	Catalog Number	List Price	App. Wgt. (lbs)
Keypad	**174177.00**	262	2
2.5 ft. Cable	**174174.00**	77	2
5 ft. Cable	**174175.00**	111	2
10 ft. Cable	**174176.00**	180	2

* Compatible with any Micro Series, NEMA 1, drive.

NOTE: Using the remote keypad on a Washguard® Inverter is not recommended, for the control will no longer meet NEMA® 4/12 sealing requirements.

Specifications are subject to change without notice

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LEESON®

Techlink Software is a powerful Drive Configuration tool that works in a Microsoft Windows environment. TechLink supports the following drives sold by LEESON: Micro Series, SM Plus Series and SM Vector Series. TechLink allows a drive program to be created off line and to access the drive directly while connected over RS232 or RS485 (depending on the drive). RS485 supports several drives on one drive network but will require an RS232 to RS485 converter for most personal computers.

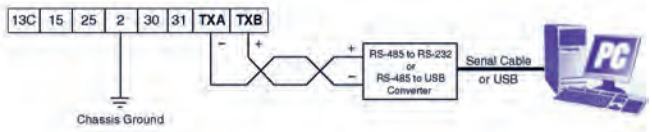
First time users visit LEESON's website, under "Links and Downloads" to download TechLink Software. LEESON frequently updates Techlink software and the Models files to keep current with our expanding product offering and upgrades to our existing lines. If you have Techlink software installed on your computer and would like to check to see if you have the most current version of the TechLink program or the Models data, check the versions on the opening TechLink screen to the versions below. You will only need to download the program that has been updated. Each program below is a self extracting zip file; after expanding, run setup.exe to install.

The diagrams below illustrate how to connect the LEESON® Micro Series, SM Plus and SM Vector Series drives to a computer in order to use the TechLink software.

Note 1: When using serial communications, terminal 2 on the drive MUST be connected to chassis ground.

SM Plus & SM Vector Series

The SM Plus and SM Vector Series drives are RS-485, so a RS-232 to RS-485 or USB to RS-485 converter is required. The converter connects to the computer using a standard serial connection. A twisted pair connects the converter to the drive.

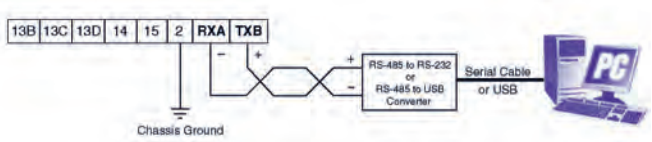


SM Plus & SM Vector Series Control Strip

Note 2: Refer to the converter manufacturer's instructions for proper converter configuration. The converter is not supplied by LEESON.

Micro Series

The Micro Series is RS-485, so a RS-232 to RS-485 or USB to RS-485 converter is required. The converter connects to the computer using a standard serial or USB connection. A twisted pair connects the converter to the drive.



Micro Series Control Strip

Note: 3 Refer to the converter manufacturer's instructions for proper converter configuration. The converter is not supplied by LEESON.

DIMENSIONS: SM AND SM PLUS SERIES INVERTERS

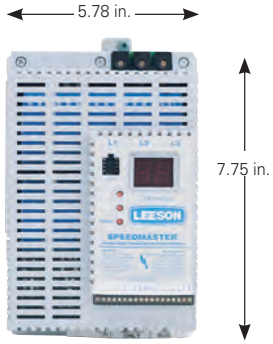
"A" Chassis

Depth: A1: 3.94 in.
A2: 4.74 in.
A3: 5.74 in.
A5: 3.26 in.
A6: 3.63 in.
A7: 5.56 in.

"B" Chassis

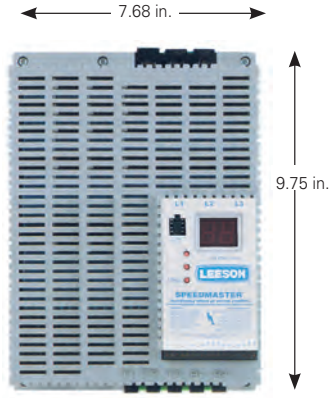
Depth: B1: 5.24 in.
B2: 6.74 in.
B5: 4.88 in.
B6: 5.53 in.

"C" Chassis



Depth: C1: 7.18 in.

"D" Chassis



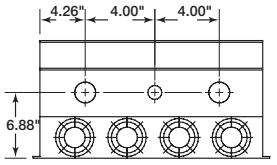
Depth: D1: 8.00 in.

Dimensions shown for reference only. Contact LEESON for detailed drawing
PDF file of Manual available at www.leeson.com/Technical Information
Specifications are subject to change without notice

AC / DC Controls

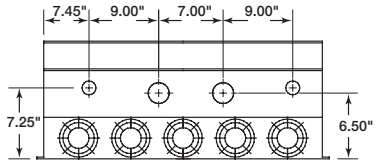
Dimension Information for Micro Series Drives

CONDUIT HOLES FOR 174578.00



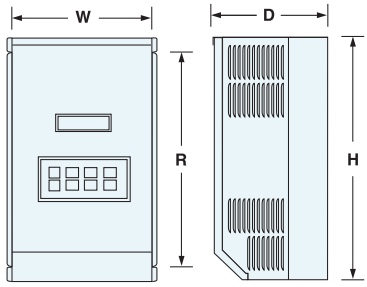
Conduit Holes: Large holes = 1.75"
Small hole = 1.13"

CONDUIT HOLES FOR 174586.00

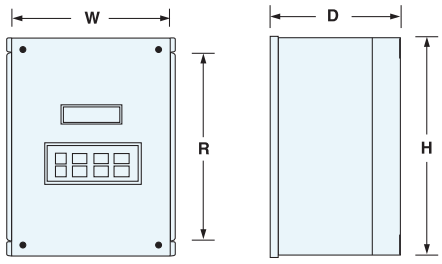


Conduit Holes: Large holes = 3.00"
Small holes = 1.13"

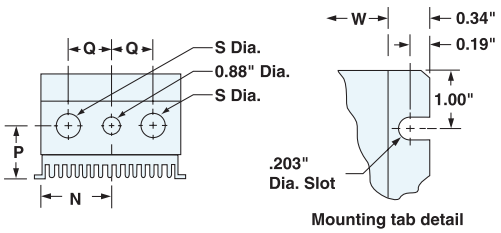
NEMA 1 ONLY



NEMA 4/12
WASHGUARD® ONLY



NEMA 1 & NEMA 4/12



Mounting tab detail

Micro Series Inverter - Dims. (Inches) - NEMA® 1, NEMA 4/12 & NEMA 4X

Dimension Key	H	W	D	N	P	Q	R	S
A	7.50	4.70	3.33	2.35	1.60	1.37	5.50	0.88
B	7.50	4.70	3.63	2.35	1.90	1.37	5.50	0.88
C	7.50	4.70	4.33	2.35	2.60	1.37	5.50	0.88
D	7.50	6.12	4.22	3.77	2.40	1.37	5.50	0.88
E	7.50	6.12	5.12	3.77	3.30	1.37	5.50	0.88
F	7.88	7.86	5.94	5.13	3.95	1.50	5.88	1.13
G	7.88	6.12	4.35	3.06	2.70	1.37	5.88	0.88
H	7.88	7.86	4.90	4.80	3.25	1.37	5.88	0.88
I	9.38	7.86	6.25	5.13	3.95	1.50	7.38	1.13
J	7.88	7.86	5.90	4.80	4.25	1.37	5.88	0.88
K	9.75	10.26	7.20	5.13	5.25	2.00	7.75	1.13
L	11.25	7.86	6.84	3.93	4.19	2.00	7.75	1.38
M	9.38	7.86	6.84	3.93	4.19	2.00	5.88	1.13
N	12.75	7.86	6.84	3.93	4.19	2.00	9.25	1.38
O	12.75	7.86	7.40	3.93	4.19	2.00	9.25	1.38
P	12.75	10.26	7.74	5.13	5.00	2.50	9.25	1.38
Q	11.75	10.26	8.35	5.13	5.75	2.00	9.75	1.13
R	9.38	7.86	7.40	3.93	4.19	2.00	5.88	1.13
S	12.75	10.26	8.25	5.13	5.00	2.50	9.25	1.38
T	15.75	10.26	8.35	5.13	5.75	2.50	12.25	1.38
U	13.75	10.26	8.35	5.13	5.75	2.00	11.75	1.38
V	15.75	10.26	8.35	5.13	5.75	2.00	13.75	1.38
W	19.75	10.26	8.55	5.13	5.75	2.50	16.25	1.75
X	7.88	7.86	3.75	4.80	2.10	1.37	5.88	0.88
Y	7.88	6.12	5.25	3.06	3.60	1.37	5.88	0.88
Z	20.25	10.26	8.35	5.13	5.75	2.00	16.25	1.38
AA	15.75	10.26	8.35	5.13	5.75	2.00	11.75	1.38
AB	21.00	13.72	8.35	5.13	6.10	2.00	16.25	1.38
AC	7.50	6.12	3.63	3.77	1.80	1.37	5.50	0.88
AD	7.88	6.12	3.63	3.06	2.00	1.37	5.88	0.88
AE	25.00	13.00	10.50	5.56	6.50	2.62	–	1.38
AF	47.00	16.64	11.85		SEE CHART			
AG	29.00	16.64	11.85	7.14	6.88	3.12	–	1.75
AH	29.00	24.42	11.85	11.12	6.50	4.50	–	2.50
AI	29.00	36.66	11.85	11.50	9.00	4.50	–	2.50
AJ	37.00	18.00	13.30	7.50	8.00	3.13	7.14	1.75
AK	39.00	26.00	13.30	11.50	9.00	4.50	9.14	2.50
AL	29.00	36.66	11.85		SEE CHART			
AM	31.00	14.00	11.86	6.00	7.50	2.62	5.64	1.38
AN	49.00	18.00	13.30	7.50	8.00	3.13	7.14	1.75
AO	39.00	26.00	13.30	11.50	9.00	4.50	9.14	2.50

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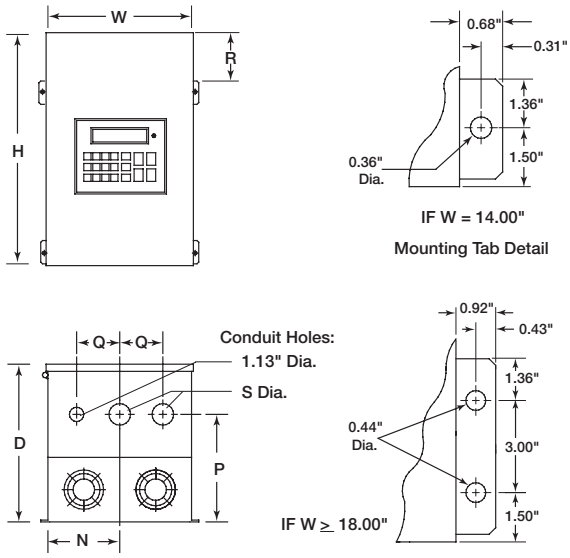
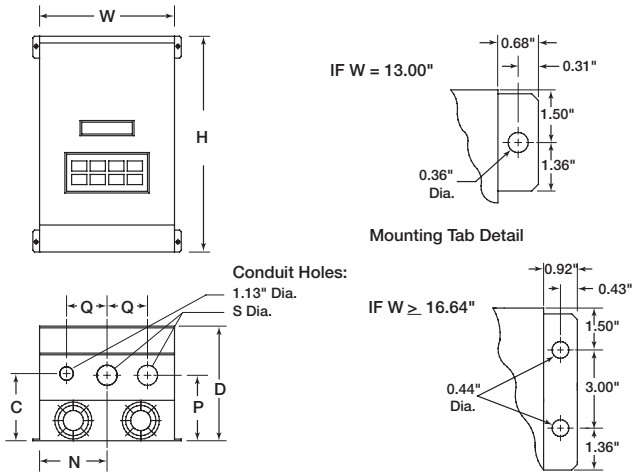
LEESON®

Type 12 Dimensions for models rated above 30HP at 240/200 VAC and 60 HP at 400/480 VAC



Type 1 Dimensions for models rated above 30HP at 240/200 VAC and 60 HP at 590/480/400 VAC



Electronic Programing Unit

Electronic Programming Unit allows off-line set-up and replication of the drive's plug-in electronic programming module (shown at right). Excellent for multi-drive applications. Keypad input and alphanumeric display simplify programming. RS-232 serial port allows downloading of configuration files from personal computer.

Contact your local LEESON sales office for information

EPM Bulk Pack

Plug-in electronic programming modules (EPM). Allow off-line set-up and replication of program using Electronic Programming Unit. Set of 10.

Catalog Number	List Price	App. Wgt. (lbs)
174190.00	201	1

Specifications are subject to change without notice

Inverter Accessory Parts

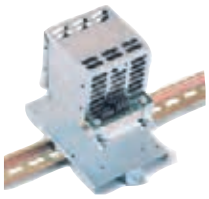
Discriptor	Catalog Number	List Price
Micro Series Keypad	**006707.01**	63
Speed Pot (10k/5w pot, washers & nut)	**006708.01**	66

Specifications are subject to change without notice

AC / DC Controls

AC Control Kits

Accessories For The SM, SM-Plus & SM Vector Series Drives

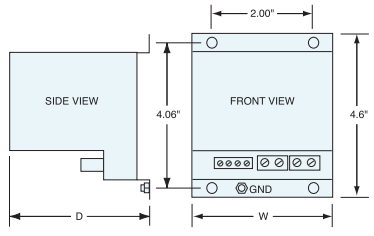


Dynamic Braking Modules With Built-in Dynamic Braking Resistors¤

Dynamic Braking Components for the SM, SM-Plus & SM Vector Series Drives Dynamic braking are available for the SM, SM-Plus and SM Vector series drives as a separate Dynamic Braking Module. Lower HP modules have the control electronics and the dynamic braking resistor in one convenient package. Larger units require a separate resistor. The modules can be panel or DIN rail mounted.

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/4-1/2	208-230V	**174400.00**	338	2
	400-480V	**174406.00**	338	2
1 - 1 1/2	208-230V	**174401.00**	392	3
	400-480V	**174407.00**	392	3
1 - 1 1/2	480-590V	**174412.00**	392	3
2 -3	208-230V	**174402.00**	532	4
	400-480V	**174408.00**	532	4
	480-590V	**174413.00**	532	4
5	208-230V	**174403.00**	695	5
	400-480V	**174409.00**	695	5
	480-590V	**174414.00**	695	5
7 1/2	208-230V	**174404.00**	878	6
	400-480V	**174410.00**	878	6
	480-590V	**174415.00**	878	6
10	208-230V	**174405.00**	1,060	8
	400-480V	**174411.00**	1,060	8
	480-590V	**174416.00**	1,060	8

¤ Braking Resistors are included with the module and not purchased separately
Specifications are subject to change without notice



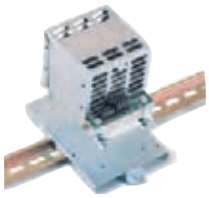
Dynamic Braking Modules Without Resistors*

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
15-20	208-230V	**174417.00**	454	10
15-30	400-480V	**174418.00**	454	10
15-25	480-590V	**174419.00**	454	10

*Dynamic Braking Resistors are purchased and mounted separately
Specifications are subject to change without notice

Accessories For The SM2 Flux Vector Series Drives

Dynamic Braking Components for the SM2 Vector Series Drives



Dynamic Braking Modules With Built-in Dynamic Braking Resistors¤

Dynamic Braking Components for the SM2 Vector Series Drives Dynamic braking are available for the SM2 Vector Series drives as a separate Dynamic Braking Module. 10 HP and lower modules have control electronics and the dynamic braking resistor in one convenient package. Larger units require a separate resistor. The modules can be panel or DIN rail mounted.

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/3-1/2	208 - 230V	**174157.00**	328	2
	400 - 480V	**174158.00**	328	2
1 - 1 1/2	208 - 230V	**174151.00**	384	3
	400 - 480V	**174152.00**	384	3
	480 - 590V	**174153.00**	384	3
2 - 3	208 - 230V	**174154.00**	523	4
	400 - 480V	**174155.00**	523	4
	480 - 590V	**174156.00**	523	4
5	208 - 230v	**174159.00**	681	5
	400 - 480V	**174160.00**	681	5
	480 - 590V	**174161.00**	681	5
7 1/2	208 - 230V	**174162.00**	860	6
	400 - 480V	**174163.00**	860	6
	480 - 590V	**174164.00**	860	6
10	208 - 230V	**174165.00**	1,039	8
	400 - 480V	**174166.00**	1,039	8
	480 - 590V	**174167.00**	1,039	8

¤ Braking Resistors are included with the module and not purchased separately
Specifications are subject to change without notice

Dynamic Braking Resistors**

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
15-20	208-230V	**174144.00**	498	1
	400-480V	**174144.00**	498	1
	480-590V	**174149.00**	510	1
25-30	400-480V	**174145.00**	840	1
25	480-590V	**174140.00**	861	1

**Dynamic Braking Resistors are provided with mounting brackets
Specifications are subject to change without notice

DIN Rail - Mounting Kits

Steel plates and fasteners for mounting drives on standard 35mm DIN rails for panel building. Set of six.
174186 for "A" chassis drives.
174187 for "B" chassis drives.
174188 for "C" chassis drives.
Refer to SM Plus and SM Series Dimension Tables for A, B & C listing information.

Catalog Number	List Price	App. Wgt. (lbs)
174186.00	186	3
174187.00	209	3
174188.00	249	3

Specifications are subject to change without notice

SM4 Remote Keypad

Potentiometer kit takes the place of the up/down buttons on the drive's keypad gives operators hands-on speed control over the Inverter's speed range.

Use with Width (W) dim. of:	Catalog Number	List Price	App. Wgt. (lbs)
6.28 or 7.12	**174693.00**	251	2
8.04 or 8.96	**174697.00**	263	2

Specifications are subject to change without notice

EPM Bulk Pack

Plug-in electronic programming modules (EPM). Allow off-line set-up and replication of program using Electronic Programming Unit. Set of 10.

Catalog Number	List Price	App. Wgt. (lbs)
174190.00	201	1

Specifications are subject to change without notice

Remote Keypad

Remote keypad kit includes eight-foot connecting cable and gasket. Mounted in proper enclosure, the keypad kit will provide up to NEMA® 4 protection.

Drive Type	Catalog Number	List Price	App. Wgt. (lbs)
SM Plus	**174191.00**	270	2
SM Series	**174194.00**	219	2
SM2 Vector	**174150.00**	264	2

Specifications are subject to change without notice

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Accessories / Kits

NEMA® D Flange Kits - LEESON® Motors Only

Motor Accessories - Field Installed
Steel and Cast Iron Frame Motors

Includes parts to convert a rigid base mounted motor to NEMA D face with base.
Shaded frame indicates cast iron motor kits for 15, G15 and 17 series motors.
NOTE: The D Flange Kits can only be used on rigid base motors. They will not fit NEMA C face motors.

NEMA Frame	Enclosure	D Flange Kit Catalog Number	List Price	App. Wgt. (lbs)	♥Notes
143T-145T	Enclosed	**163115.60**	149	6	
182T-184T	Open / Enclosed	**175694.00**	290	12	D
	Open	**175101.00**	277	13	G
	Enclosed	**175658.60**	308	12	G
	Enclosed	**175807.60**	308	14	
213T-215T	Open	**175114.60**	454	14	
	Enclosed	**175115.60**	454	14	G
	Enclosed	**175959.60**	454	14	
254T-256T	Open	**175116.60**	581	25	
	Enclosed	**175192.60**	581	25	
284T/TS-286T/TS	Open	**175118.60**	695	42	
	Enclosed	**175119.60**	695	52	
324T/TS-326T/TS	Open	**175120.60**	890	57	G
	Enclosed	**175121.60**	890	57	
	Open	**175455.60**	1,205	57	
364T/TS-365T/TS	Open	**175955.60**	1,050	72	
	Enclosed	**175657.60**	1,050	72	
	Open	**175602.60**	1,310	72	
	Enclosed	**175604.60**	1,310	72	
404T/TS-405T/TS	Open 4 & 6-pole	**175956.60**	1,457	90	I
	Enclosed	**175957.60**	1,457	90	
444T/TS-445T/TS	Open 4 & 6-pole	**175607.60**	1,688	106	I
	Enclosed 4 & 6-pole	**175608.60**	1,688	106	I
447T/TS-449T/TS	Enclosed 4 & 6-pole	**163104.60**	1,750	115	I
	Enclosed 2-pole	**163126.60**	1,750	115	

Shaded frames are for cast iron motors

Specifications are subject to change without notice

Green items Are For Premium Efficient Motors Only

♥Notes:
D Use this kit for 182-4T and S213T motors with catalog numbers 131454.00 and higher, or with a G prefix
F For use with 213T-215T 3600 RPM motors only
G Not for use with Premium efficient motors
H WATTSAVER®e II design built 2007 and later
I For use with 1200 and 1800 RPM motors only

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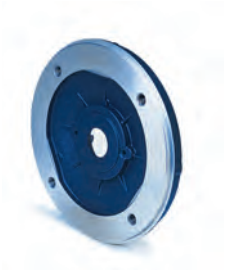

Accessories / Kits

NEMA® C Face Kits

Motor Accessories - Field Installed
LEESON® - Steel Frame Motors

Includes parts to convert a rigid base mounted motor to NEMA C face with base.
The C Face Kits cannot be used as replacements on a factory-produced C face motor.
For motors with Catalog Numbers 092000–140999

NEMA Frame	Enclosure	C Flange Kit Catalog Number	List Price	App. Wgt. (lbs)	♥Notes
42	Open / Enclosed	**175661.00**	61	2	
48	Open / Enclosed	**175969.00**	61	2	A
		175646.00	61	2	B
S56	Open	**175000.00**	61	2	
	Enclosed	**175180.00**	61	2	
	Open / Enclosed	**175297.00**	61	2	A
	Open / Enclosed	**175647.00**	61	2	B
56	Open	**175075.00**	72	2	
	Enclosed	**175076.00**	72	2	
	Enclosed	**LM24808**	72	2	G
	Enclosed	**LM24810**	72	2	H
143T-145T	Open	**175181.00**	72	2	
	Enclosed	**175077.00**	72	2	
182T-184T	Open / Enclosed	**175691.00**	86	3	D
182T-184T Special	Open / Enclosed	**175294.00**	86	5	E
S213T	Open / Enclosed	**175693.00**	165	2	D
213T-215T	Open	**175845.00**	165	19	
(1750,1140, & 850 RPM)	Enclosed	**175844.00**	165	15	
213T-215T	ODP	**175303.00**	154	15	F
(3450 RPM)	Enclosed	**175304.00**	154	15	F

Specifications are subject to change without notice

1) When changing a rigid mount motor to C Face motor, a non-NEMA BA dimension may result.
For motor BA dimension information, please refer to the chart on the inside back cover flap of this catalog.
2) Some larger HP 56-frame motors have larger shaft-end bearings and require a 143T-145T C Face kit.

♥Notes:
A For use with motors having "K" or "P" suffix on date code.
B For motors manufactured after January 1, 2007, having a "B" suffix letter after the motor's date code.
D Use this kit for 182-4T and S213T motors with catalog numbers 131454 and higher, or with a G prefix.
E Converts a 182T-184T frame motor to the C-face dimensions of a 143T-145T or 182U-184U frame motor
F For use with 213T-215T 3600 RPM motors only.
G For use with new Industrial AG motors that start with "117"
H For use with 56HZ Industrial AG motor 117867.00

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Accessories / Kits

NEMA® C Face Kits

Motor Accessories - Field Installed
Lincoln - Steel Frame Motors

NEMA C Face Kits
Models - SREW, SSEW, SRD, SSD, SRF, SSF, SF

NEMA Frame	SYN RPM	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
56	All	SREW, SRD	**LM24631**	72	2	1
56	All	SREW, SRD	**LM24807**	72	2	2
56	All	SRF	**LM24808**	72	2	1
56	All	SRF	**LM24810**	72	2	2
143T-145T	All	SSEW, SSD	**LM24807**	72	2	2
143T-145T	All	SSF	**LM24810**	72	2	2
182T-184T	All	SSF	**LM25736**	139	12	
182T-184T	All	SSEW, SRD, SSF	**175691.00**	86	3	4
213T-215T	All	SSEW, SSD	**LM25737**	164	15	
213T-215T	All	SSF	**LM25738**	164	12	
254T-256T	All	SSD	**LM25740**	210	13	
284T/TS-286T/TS	2 & 6-Pole	SD	**LM24062**	391	20	3
324T/TS-326T/TS	All	SD	**LM24063**	508	47	
324T/TS-326T/TS	All	SF	**LM24057**	565	33	
364T/TS-365T/TS	All	SD	**LM24064**	852	53	
404T/TS-405T/TS	All	SD	**LM24065**	1,122	55	
404T/TS-405T/TS	All	SF	**LM24059**	1,122	53	
444T/TS-445T/TS	3600	SD	**LM24066**	1,225	80	
444T/TS-445T/TS	1200 & 1800	SD	**LM24067**	1,225	88	
444T/TS-449T/TS	3600	SF	**LM24060**	1,356	98	
444T/TS-449T/TS	1800 & 1200	SF	**LM24061**	1,356	98	
447T/TS-449T/TS	3600	SD	**LM24068**	1,356	98	
447T/TS-449T/TS	1200 & 1800	SD	**LM24069**	1,356	98	

Specifications are subject to change without notice

When changing a rigid mount motor to C Face motor, a non-NEMA BA dimension may result.
For motor BA dimension information, please refer to the chart on the inside back cover flap of this catalog.

♥Notes:
1 56 frames with 203 drive end bearing
2 56 & 143/5T frame motors with a 205 drive end bearing
3 For 2-Pole and 6-Pole motors
4 Motors built having the letter "M" after the date code

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Motor Accessories - Field Installed
LEESON® - Ultimate E® Cast Iron Motors

Includes parts to convert a rigid base mounted motor to NEMA C face with base.
The C face kits cannot be used as replacements on a factory-produced C face motor.
LEESON Ultimate E "19" Series cast iron and rolled steel motors.

NEMA Frame	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
182T-184T	TEFC	**176024.00**	197	14	A
182T-184T	ODP	**176064.00**	83	14	A
213T-215T	TEFC	**176025.00**	197	22	A
213T-215T	ODP	**176065.00**	132	22	A
213T-215T	TEFC	**B176025.00**	197	22	A1
213T-215T	ODP	**B176065.00**	132	22	A1
254T-256T	TEFC	**176026.00**	300	32	B
254T-256T	TEFC	**176027.00**	300	32	C
254T-256T	TEFC	**B176026.00**	300	32	B1
254T-256T	TEFC	**B176027.00**	300	32	C1
254TS-256TS	ODP	**176066.00**	271	32	B
254T-256T	ODP	**176067.00**	271	32	C
254TS-256TS	ODP	**B176066.00**	271	32	B1
254T-256T	ODP	**B176067.00**	271	32	C1
284TS-286TS	TEFC	**176028.00**	417	38	B
284T-286T	TEFC	**176029.00**	417	38	C
284TS-286TS	TEFC	**B176028.00**	417	38	B1
284T-286T	TEFC	**B176029.00**	417	38	C1
284TS-286TS	ODP	**176068.00**	419	38	B
284T-286T	ODP	**176069.00**	419	38	C
284TS-286TS	ODP	**B176068.00**	419	38	B1
284T-286T	ODP	**B176069.00**	419	38	C1
324TS-326TS	TEFC	**176030.00**	540	45	B
324T-326T	TEFC	**176031.00**	540	45	C
324TS-326TS	ODP	**176070.00**	540	45	B
324T-326T	ODP	**176071.00**	540	45	C
364TS-365TS	TEFC	**176032.00**	738	85	B
364T-365T	TEFC	**176033.00**	738	85	C
364TS-365TS	ODP	**176072.00**	726	85	B
364T-365T	ODP	**176073.00**	726	85	C
404TS-405TS	TEFC	**176034.00**	929	175	B
404T-405T	TEFC	**176035.00**	929	175	C
404TS-405TS	ODP	**176074.00**	673	95	B
404T-405T	ODP	**176075.00**	673	95	C
444TS-445TS	TEFC	**176036.00**	1,300	225	B
444T-445T`	TEFC	**176037.00**	1,300	225	C
444TS-445TS	ODP	**176076.00**	1,179	140	B
444T-445T`	ODP	**176077.00**	1,228	140	C
447TS	TEFC	**176038.00**	1,438	250	B
447T-449T	TEFC	**176039.00**	1,438	225	C

Specifications are subject to change without notice

When changing a rigid mount motor to C face motor, a non-NEMA BA dimension may result.
For motor BA dimension information, please refer to the chart on the inside back cover flap of this catalog.

♥Notes:
A All Poles
B 2-pole only
C 4 & 6-pole only
A1 All Poles with Catalog numbers starting with B
B1 All Poles with Catalog numbers starting with B
C1 All Poles with Catalog numbers starting with B

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Accessories / Kits

NEMA® C Face Kits

Motor Accessories - Field Installed
LEESON® - Cast Iron Motors

Includes parts to convert a rigid base mounted motor to NEMA C face with base.
The C face kits cannot be used as replacements on a factory-produced C face motor.
For 15, G15 and 17 Series cast iron motors only

NEMA C Face Kits

NEMA Frame	Enclosure	Catalog Number	List Price	♥ Notes
143T-145T	Enclosed	**163116.60**	149	
182T-184T	Enclosed	**175805.60**	197	
182T-184T	Enclosed	**175804.60**	197	E
213T-215T	Open	**175066.60**	197	
	Enclosed	**175068.60**	197	G
	Enclosed	**175869.60**	197	
254T-256T	Open	**175067.60**	300	
	Enclosed	**175191.60**	300	
284T/TS-286T/TS	Open	**175058.60**	417	
	Enclosed	**175061.60**	417	
324T/TS-326T/TS	Open	**175059.60**	540	G
	Open	**175454.60**	540	
	Enclosed	**175062.60**	540	
364T/TS-365T/TS	Open	**175060.60**	903	
	Enclosed	**175063.60**	903	
	Open	**175601.60**	903	H
	Enclosed	**175603.60**	903	H
404T/TS-405T/TS	Open	**175605.60**	1,187	
	Enclosed	**175199.60**	1,187	
444T/TS-445T/TS	Open	**175606.60**	1,300	
	Enclosed	**175664.60**	1,300	
447T/TS-449T	Enclosed 4 & 6-pole	**175958.60**	1,438	
	Enclosed 2-pole	**176004.60**	1,438	

Specifications are subject to change without notice

Green items Are For Premium Efficient Motors Only

When changing a rigid mount motor to C face motor, a non-NEMA BA dimension may result.
For motor BA dimension information, please refer to the chart on the inside back cover flap of this catalog.

♥Notes:
E For use to replace the C-Face on a 182/184TC frame motor only
G Not for use with premium efficient motors
H For 364T/TS -365T/TS frame motors built 2007 and later

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NEMA C Face Kits

NEMA Frame	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
143T - 145T	**175787.00**	207	7	
182T-184T	**175788.00**	309	10	
213T-215T	**175789.00**	369	16	
254T-256T	**175790.00**	437	35	
284T/TS-286T/TS	**175791.00**	571	47	
324T/TS-326T/TS	**175794.00**	661	89	
364T-365T	**175795.00**	1,040	95	
364TS-365TS	**175796.00**	912	91	
404T-405T	**175797.00**	1,162	129	
444T-445T	**176056.00**	2,000	175	Model #s containing THFS
444TS-445TS	**176057.00**	2,000	108	Model #s containing TSHFS
444T-445T	**176058.00**	2,000	201	Model #s containing THFN
444TS-445TS	**176059.00**	2,000	199	Model #s containing TSHFN

Specifications are subject to change without notice
When changing a rigid mount motor to C face motor, a non-NEMA BA dimension may result

NEMA C Face Kits - Lincoln Cast Iron Frame

NEMA Frame	SYN RPM	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
143T	All	CCN, CCF, CCS	**LM24811**	72	7	
145T	All	CCN, CCF, CCS	**LM24815**	85	7	
182T-184T	All	CCF, CCS	**LM25736**	139	12	
182T-184T	All	CCF	**175805.60**	197	12	5
213T-215T	All	CCF, CCS	**LM25739**	164	20	
213T-215T	All	CCF	**175869.60**	197	15	5
254T-256T	All	CCF, CCS	**LM27681**	282	36	
254T-256T	All	CCD	**LM31014**	210	15	
254T-256T	All	CCF	**175191.60**	300	25	5
284T-286T	All	CCF, CCS	**LM27576**	391	42	
284T/TS-286T/TS	All	CCD	**LM31019**	391	35	
284T/TS-286T/TS	All	CCF	**175061.60**	417	42	5
324T/TS-326T/TS, 324U/US-326U/US	All	CCF, CCS	**LM28624**	565	78	
324T/TS-326T/TS	All	CCF	**175062.60**	540	57	5
364T-365T	All	CCF, CCS	**LM32284**	852	78	
364T/TS-365T/TS	All	CCF	**175603.60**	903	75	5
364TS-365TS	All	CCF, CCS	**LM32285**	895	78	
364U-365U	All	CCF, CCS	**LM32286**	895	78	
404T-405T, 404U-405U	All	CCF, CCS	**LM28501**	1,122	85	
404TS-405TS	All	CCF, CCS	**LM32288**	1,178	85	
404T/TS-405T/TS	All	CCF	**175199.60**	1,187	60	5
444T-445T	All	CCF, CCS	**LM32290**	1,215	96	
444TS-445TS	All	CCF, CCS	**LM32291**	1,215	96	
444T/TS-445T/TS	All	CCF	**175664.60**	1,300	115	5
447T-449T	1800 & 1200	CCF, CCS	**LM32292**	1,343	98	
447TS-449TS	3600	CCF, CCS	**LM32293**	1,343	98	
447T-449T	1800 & 1200	CCF	**175958.60**	1,438	112	5
447TS-449TS	3600	CCF	**176004.60**	1,438	112	5

Green items Are For Premium Efficient Motors Only
Specifications are subject to change without notice
When changing a rigid mount motor to C face motor, a non-NEMA BA dimension may result.
For motor BA dimension information, please refer to the chart on the inside back cover flap of this catalog.
♥Notes: 5 For Lincoln CI motors that start with LM6 and model numbers ending with AP21

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Accessories / Kits

NEMA® C Face Kits

Motor Accessories - Field Installed
Lincoln - Aluminum Frame Motors

NEMA Frame	SYN RPM	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
182T-184T	All	AAF	**LM26679**	164	10	
182T-184T	All	AAF	**175691.00**	86	10	6
213T-215T	All	AAF	**LM30146**	190	15	
254T-256T	All	AF/AAF	**LM30147**	282	26	
284T/TS-286T/TS	All	AF/AAF	**LM20116**	391	28	

Specifications are subject to change without notice
When changing a rigid mount motor to C face motor, a non-NEMA BA dimension may result.
For motor BA dimension information, please refer to the chart on the inside back cover flap of this catalog.

♥Notes:
6 For Lincoln AL motors where the model numbers end with AP26

Kits and Accessories
Rodent Screen Kits

NEMA Frame	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)
182T-184T	Open	**175872.00**	142	1
213T-215T	Open	**175871.00**	255	1
254T-256T	Open	**175873.00**	366	2
284T-286T	Open	**175874.00**	366	3
324T	Open	**175894.00**	859	5
326T	Open	**175875.00**	859	5

Shaded frames are for cast iron motors

Specifications are subject to change without notice
Wattsaver "17" series rolled steel motors that have the suffix letter "M" in date code

Chemical Service/
Severe Duty Conversion Kits

WATTSaver®

For use with LEESON® Cast Iron Wattsaver e motors and "G15" series motors. Cast iron fan covers for cast iron motors. Designed to easily convert TEFC motors to all cast iron construction. All these motors have inert, corrosion resistant fiber filled thermoplastic fan as standard. Kit includes one cast iron fan cover.

NEMA Frame	IEC Frame	Catalog Number	List Price	App. Wgt. (lbs.)
182T-184T	---	**175663.60**	233	10
213T-215T	---	**175050.60**	339	12
254T-256T	160	**175051.60**	455	18
284T-286T	180	**175052.60**	794	22
324T-326T	200	**175053.60**	829	29
364T-365T	225	**175054.60**	1,239	39
404T-405T	250	**175055.60**	1,349	49
444T-445T	280	**175056.60**	1,528	59
447T-449T	---	**175891.60**	1,528	112

Specifications are subject to change without notice

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LEESON®

Accessories / Kits

Drip-Cover Kits
For Drip-Proof Motors - LEESON® Motors Only

Each kit includes one drip-cover. Designed to protect drip-proof motors from rain, snow and ice when mounted outdoors in a vertical position.

Frame	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
48-S56	**175003.00**	57	2	
48-S56	**175298.00**	57	2	A
56	**175004.00**	66	2	
143T-145T	**175792.00**	66	2	A
182T-184T	**175614.00**	82	3	
182T-184T	**175961.00**	76	3	
213T-215T	**175846.00**	116	12	
213T-215T	**175305.00**	116	12	F
213T-215T	**175962.00**	116	4	
254T-256T	**175963.00**	148	7	

♥Notes:
A For use with motors having "K" or "P" suffix on date code
F For use with 213T-215T 3600 RPM motors only

Specifications are subject to change without notice

Shaded frames are for cast iron motors

Lint-Cover / Drip-Cover Kit
For TEFC Motors - LEESON Motors Only

Frame	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
56-143T-145T	**175024.00**	102	2	B
56-143T-145T	**175778.00**	102	2	B, J
182T-184T	**175695.00**	197	3	D
213T-215T	**175849.00**	116	12	K

♥Notes:
B For motors having the letter "B" after the date code
D Use this kit for 182-4T and S213T motors with catalog numbers 131454 and higher or with a G prefix
J For motors having face mounted fan guard
K For use with 1800 RPM motors only

Specifications are subject to change without notice
For steel frame motors only

Lint-Cover / Drip-Cover Kit
For Cast Iron - TEFC Motors - LEESON Motors Only
Wattsaver® and "G15" Series Motors

NEMA® Frame	Catalog Number	List Price	Add. Motor Length (Inches)
TEFC 210 frame	**176044.60**	174	2.0
TEFC 250 frame	**176045.60**	248	2.0
TEFC 280 frame	**176046.60**	334	2.0
326T - 2-pole	**176053.60**	456	2.2
TEFC 320 frame 4 & 6-pole	**176047.60**	456	2.2
TEFC 360 frame (small stator)	**176048.60**	554	2.4
TEFC 360 frame (Motors built after 2007)	**176049.60**	742	2.8
TEFC 400 frame	**176050.60**	742	2.8
TEFC 440 frame 2-pole	**176051.60**	843	3.2
440 - 4 & 6-pole	**176054.60**	843	3.2
TEFC 447/9 frame 2 pole	**176052.60**	907	3.6
447/9T - 4 & 6-pole	**176055.60**	907	3.6

Specifications are subject to change without notice
For use with catalog numbers that begin with "17" or "G15."

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Accessories / Kits

JP Pump Drip Cover Kits

NEMA® Frame	Enclosure	Catalog Number	List Price	♥ Notes
56-145JP	ODP or TEFC	**175932.00**	36	
182JP-184JP	ODP	**175614.00**	40	
213JP-215JP	ODP	**175305.00**	116	L

Specifications are subject to change without notice

♥Notes:
L For use with 213T-215T (213JP-215JP) 3600 RPM motors only

Motor Accessories - Blower Fan Kits
Field Installed
LEESON® Motors Only

These kits are used for converting LEESON motors to totally enclosed blower cooled motors. Cooling per MG1.6 (IC46) The kits are designed for inverter and vector drive applications where continuous cooling is required regardless of motor shaft speed. The kit is mounted on the back of the motor after removing the fan guard and fan. Modifying the shaft is not required.

Blower Fan Kits

For use with Rolled Steel TEFC Motors only

Blower Voltage	Blower Motor Phase	NEMA Frame	Catalog Number	List Price	CFM	App. Wt. (lbs.)
115	1	56-145T	**175775.00^**	867	892	4
115	1	182-4T	**175895.00♠**	972	1,000	4
115	1	213-5T	**175896.00♠**	1,015	1,044	5

Specifications are subject to change without notice

^ For 56/145T motors having face mounted (plastic) fan guards
♠ For rolled steel motors having the letter "M" after the date code

Blower Fan Kits

For use with 150, G150 & 170 Series Cast Iron TEFC Motors only

Blower Voltage	Blower Motor Phase	NEMA Frame	Catalog Number	List Price	CFM	App. Wt. (lbs.)
115	1	182-4T	**175674.00**	1,000	260	10
115	1	213-5T	**175675.00**	1,044	260	11
115	1	254-6T	**175676.00**	1,122	260	17
115	1	284-6T	**175677.00**	1,347	500	24
115	1	324-6T	**175678.00**	1,436	500	28
230/460	3	360T	**175879.00**	2,981	500	35
230/460	3	360T	**176002.00 ◊**	3,308	500	35
230/460	3	400T	**175880.00**	3,308	500	45
230/460	3	444T/445T	**175558.00**	3,786	500	55

Specifications are subject to change without notice

◊ Use with 360T frame motors built 2007 and later

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Specifications:

These kits include the parts and encoder for field assembly of slim-line, through-shaft encoder designed to slip over the motor's fan end shaft. Blower kit sold separately.

Features:

- Output is 1024 pulses per revolution
- 5 to 28 VDC line driver output. Short-circuit protection is standard. Inputs are over voltage and reverse voltage protected. Electrical noise immunity exceeds international standards. Encoders are isolated from shaft currents using hard anodized sleeves and non metallic anti-rotation hardware. Designed for long-life in industrial environments using an all-metal, shock resistant code disk. The encoder is protected by the motor's fan cover after mounting. Using a blower fan kit is suggested for proper motor cooling.
- Short circuit protection
- Isolated from shaft currents
- Shock resistant code disks
- Use with blower kits to protect and cool motors

Encoder Kits - Cast Iron Wattsaver® Motors

For use with 150, G150 & 170 series cast iron TEFC motors only

NEMA® Frame	Catalog Number	List Price
182-4T	**175684.00**	1,555
213-5T	**175685.00**	1,555
254-6T	**175686.00**	2,510
284-6T	**175687.00**	2,510
320T	**175641.00**	2,559
360T	**175642.00**	2,559
400T	**175643.00**	2,559
440T (2 pole)	**175644.00**	2,559
440T (4/6 pole)	**175645.00**	2,559

Specifications are subject to change without notice

Encoder Kits

For use with rolled steel, TEFC motors only

NEMA Frame	Catalog Number	List Price
56-145T	**175960.00**	1,253
182-4T	**175897.00**	1,815
213-5T	**175898.00**	1,815

Specifications are subject to change without notice

Speedmaster® Motors

For use with LEESON Speedmaster 2000:1, 810000 series inverter duty motors only

Encoder Description	Enclosure	Frame	Brand / Mod	PPR	Catalog Number	List Price
Modular Mount, 5-15 VDC, with EPIC connector	TENV	143-256T	Northstar SL56	1024	**E175927.00**	3,505
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	1024	**E175928.00**	2,251
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	1024	**E175929.00**	2,251
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	2048	**E175930.00**	2,251
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	2048	**E175931.00**	2,251
Modular Mount, 5-15 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Northstar SL56	1024	**E175921.00**	3,505
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	1024	**E175922.00**	2,251
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	1024	**E175923.00**	2,251
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	2048	**E175924.00**	2,251
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	2048	**E175925.00**	2,251
Conduit Box Required for all TEBC Units	—	—	—	—	**ECB175926.00**	250

Specifications are subject to change without notice

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Accessories / Kits

Terminal Block Kits

Terminal block kits for 15 and 17 series NEMA® frame cast iron motors. Can also be used for replacement on 193 series cast iron and 192 series aluminum IEC metric motors.

NEMA Frame	IEC Frame	Catalog Number	List Price	App. Wgt. (lbs.)
—	63-90L	**175881.00≠**	19	1
180/210T	100/112/132	**175668.60**	40	2
250/280T	160/180	**175667.60**	44	3
320/360T	200/225	**175666.60**	68	4
400/440T	250/280	**175665.60**	105	5

Specifications are subject to change without notice

≠ Replacement terminal board for aluminum frame IEC motors

Accessories / Kits

Die Cast Aluminum Conduit Box Conversion Kit
LEESON® Motors Only

56/140-frame kit (pictured) includes die cast aluminum conduit box, cover, gaskets, grounding screw, mounting hardware and adapter plate for mounting box on existing holes in motor. 180 and 210-frame kits include all parts required to replace the conduit box including the die cast conduit box, plug, cover, gaskets and mounting hardware. No adapter plate is required because these kits mount on existing holes. All conduit boxes have 1/2-NPT tapped lead exit holes on two adjacent sides with one hole plugged. Note: the kit will not work with larger HP single-phase 210-frame motors.

Die Cast Aluminum Conduit Box

NEMA Frame	Catalog Number	List Price	App. Wgt. (lbs.)
56-140T	**175892.00 ^**	83	2
182-4T	**175649.00 ***	101	2
213-5T	**175847.00 ***	121	11

Specifications are subject to change without notice

^ - For use with motors having the letter "B" after the date code

* - For use with motors having the letter "M" after the date code

Ex-Proof Conduit Box

UL and CSA listed for Class I, Group C & D, and Class II, Groups E, F & G locations. Has grounding screw and all hardware provided. Mounts to motor by 3/4"-14NPT opening at rear of box. For NEMA 56 & 143-5T frame motors only. Box number 175755.00 has a 1" NPT thread.

Catalog Number	List Price	App. Wgt. (lbs.)
175026.00	113	2
175755.00 (1)	113	2

Specifications are subject to change without notice

(1) For motors having a letter P after the date code.

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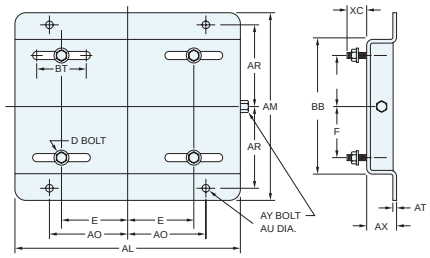
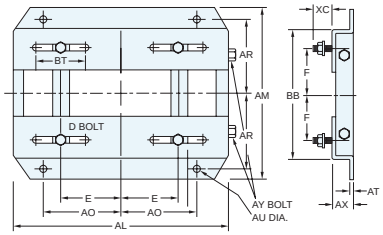
Adjustable Motor Bases - NEMA® 48-447T Frames

Heavy gauge steel mounting bases simplify the installation of motors and make the tensioning, maintenance and replacement of belts a simple efficient task. Fabricated from sheet or steel plate, then primed and finished in a gray rust and corrosion resistant oven-baked finish. Gussets and reinforcing channels on larger units and continuous seam welding on all units give these bases strength and durability for a long life. A single (215T frame and smaller) or double (NEMA 254T frame and larger) zinc plated adjusting screw is provided. Motor mounting bolts are included. Adjustable motor bases are designed to mount to your existing motor's base.



NEMA 48 thru 215T



NEMA 254T thru 447T

Frame	List Price	Catalog Number	AL	AM	AX	BB	E	F	AO	AR	AU**	BT	AT	XC	D* Bolt	AY Bolt	App. Wgt. (lbs.)
48	85	**175032.00**	10	6 1/4	1 1/8	2 1/8	1 3/8	3 1/2	2 3/4	3/8	3.00	0.08	7/8	5/16 x 1	3/8 x 4	2	2
56	85	**175033.00**	10 5/8	6 1/2	1 1/8	2 7/16	1 1/2	3 13/16	2 7/8	3/8	3.00	0.08	7/8	5/16 x 1	3/8 x 4	3	3
143T	102	**175034.00**	10 1/2	7 1/2	1 1/8	2 3/4	2	3 3/4	3 3/8	3/8	3.00	0.12	13/16	5/15 x 1	3/8 x 4	5	5
145T	102	**175035.00**	10 1/2	8 1/2	1 1/8	2 3/4	2 1/2	3 3/4	3 7/8	3/8	3.00	0.12	13/16	5/15 x 1	3/8 x 4	6	6
182T	132	**175036.00**	12 3/4	9 1/2	1 1/2	3 3/4	2 1/4	4 1/2	4 1/4	1/2	3.00	0.13	1 1/2	3/8 x 1 3/4	1/2 x 5	9	9
184T	132	**175037.00**	12 3/4	10 1/2	1 1/2	3 3/4	2 3/4	4 1/2	4 3/4	1/2	3.00	0.13	1 1/2	3/8 x 1 3/4	1/2 x 5	9	9
213T	163	**175038.00**	15	11	1 3/4	4 1/4	2 3/4	5 1/4	4 3/4	1/2	3 1/2	0.16	1 1/2	3/8 x 1 3/4	1/2 x 5	13	13
215T	163	**175039.00**	15	12 1/2	1 3/4	4 1/4	3 1/2	5 1/4	5 1/2	1/2	3 1/2	0.16	1 1/2	3/8 x 1 3/4	1/2 x 5	15	15
254T	248	**175040.00**	17 3/4	15 1/8	2	5	4 1/8	6 1/4	6 5/8	5/8	4.00	3/16	17/16	1/2 x 1 3/4	5/8 x 6	17	17
256T	248	**175041.00**	17 3/4	16 7/8	2	5	5	6 1/4	7 1/2	5/8	4.00	3/16	17/16	1/2 x 1 3/4	5/8 x 6	18	18
284T	270	**175042.00**	19 3/4	16 7/8	2	5 1/2	4 3/4	7.0	7 1/2	5/8	4 1/2	3/16	111/16	1/2 x 2	5/8 x 6	21	21
286T	270	**175043.00**	19 3/4	18 3/8	2	5 1/2	5 1/2	7.0	8 1/4	5/8	4 1/2	3/16	111/16	1/2 x 2	5/8 x 6	22	22
324T	356	**175044.00**	22 3/4	19 1/4	2 1/2	6 1/4	5 1/4	8.0	8 1/2	3/4	5 1/4	3/16	23/16	5/8 x 2 1/2	3/4 x 9	31	31
326T	356	**175045.00**	22 3/4	20 3/4	2 1/2	6 1/4	6	8.0	9 1/4	3/4	5 1/4	3/16	23/16	5/8 x 2 1/2	3/4 x 9	32	32
364T	469	**175046.00**	25 1/2	20 1/2	2 1/2	7	5 5/8	9.0	9 1/8	3/4	6.00	1/4	21/16	5/8 x 2 1/2	3/4 x 9	44	44
365T	469	**175047.00**	25 1/2	21 1/2	2 1/2	7	6 1/8	9.0	9 5/8	3/4	6.00	1/4	21/16	5/8 x 2 1/2	3/4 x 9	45	45
404T	844	**175048.00**	28 3/4	22 3/8	3	8	6 1/8	10.0	9 7/8	7/8	7.00	1/4	2 1/2	3/4 x 3	3/4 x 11	60	60
405T	844	**175049.00**	28 3/4	23 7/8	3	8	6 7/8	10.0	10 5/8	7/8	7.00	1/4	2 1/2	3/4 x 3	3/4 x 11	61	61
444T	1,044	**175088.00**	31 1/4	24 5/8	3	9	7 1/4	11.0	11.0	7/8	7 1/2	1/4	2 1/2	3/4 x 3	3/4 x 11	68	68
445T	1,044	**175089.00**	31 1/4	26 5/8	3	9	8 1/4	11.0	12.0	7/8	7 1/2	1/4	2 1/2	3/4 x 3	3/4 x 11	73	73
447T	1,151	**175090.00**	31 1/4	30 1/8	3	9	10	11.0	13 3/4	7/8	7 1/2	5/16	3	3/4 x 3 1/2	3/4 x 11	92	92
449T	1,151	**175302.00**	31 1/4	35 1/8	3	9	12 1/2	11.0	16 1/4	7/8	7 1/2	5/16	3	3/4 x 3 1/2	3/4 x 11	95	95

* Motor mounting bolt diameter and length, four supplied with each base
** Base mounting bolts, four required—not supplied with base

Specifications are subject to change without notice
NOTE: These bases are not suitable for vertical mounting
All dimensions in inches

Transition Bases

Transition bases compensate for the difference in mounting dimensions and shaft height of a rigid base NEMA T frame to the next higher NEMA U frame. This makes it possible, for example, to replace a 10 HP NEMA 254U frame motor with a 10 HP NEMA 215T frame motor without modifying the basic installation. Made of the same high-quality materials and construction as the adjustable motor bases above. They are for horizontal mountings, shimming may be needed for direct coupled loads. Thread size listed is for mounting transition base to the "T" frame motor. Dimensions listed are for one piece—two are supplied, one for each side of the motor's foot.

Converts T Frame	To U Frame	Catalog Number	List Price	App. Wgt. (lbs.)	Height (Inches)	Width (Inches)	Length (Inches)	Thread
143T/145T	182/184	**175091.00**	86	2	1	2 1/4	5/16-18	5/16-18
182T/184T	213/215	**175092.00**	126	3	3/4	1 3/4	3/8-16	3/8-16
213T/215T	254U/256U	**175093.00**	148	5	1	2 7/16	3/8-16	3/8-16
254T/256T	284U/286U	**175094.00**	208	8	3/4	2 3/4	1/2-13	1/2-13
284T/286T	324U/326U	**175095.00**	277	10	1	3 1/4	1/2-13	1/2-13
324T/326T	364U/365U	**175097.00**	351	13	1	3 11/16	5/8-11	5/8-11
364T/365T	404U/405U	**175098.00**	469	22	1	4 1/4	5/8-11	5/8-11
404T/405T	444U/445U	**175127.00**	600	24	1	4 1/4	3/4-10	3/4-10

Specifications are subject to change without notice

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Accessories / Kits

CE Field Conversion Kits

Lincoln Motors Only

Three Phase Motors Only

Model Numbers Beginning With:	Model Efficiency Code(s)	Frame Size	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
SD & SSD	P, B	143T-184T	**LM22093**	214	2	
		213T-215T	**LM22188**	214	2	
		254T-256T	**LM25632**	214	2	
		284T-326T	**LM12429**	236	2	2
		364T-365T	**LM12430**	710	2	1
		404T-405T	**LM12454**	1,146	35	1
		444T-445T	**LM12463**	1,483	40	1
		447T-449T	**LM12479**	1,483	40	1
AF & SF (also includes AB, AN & SB)	S, H	143T-145T	**LM08476**	214	2	
		182T-184T	**LM08478**	214	2	
		213T-215T	**LM08582**	310	2	
		254T-256T	**LM08664**	310	5	
		284T-286T	**LM08665**	310	2	3
		324T-326T	**LM08709**	310	2	3
		364T-365T	**LM08720**	353	2	3
		404T-405T	**LM08738**	353	2	3
		444T-445T	**LM08827**	1,063	40	1, 3
AF, AAF & SSF	S,P,B	143T-145T	**LM18872**	168	2	
		182T-184T	**LM18873**	214	2	
AF & SF	P, B	213T-215T	**LM18874**	214	1	
		254T-256T	**LM18875**	214	2	
		284T-286T	**LM18876**	310	1	
		324T-326T	**LM18866**	310	3	
		364T-365T	**LM18868**	780	35	1
		404T-405T	**LM18869**	353	3	
		444T-445T	**LM18870**	470	4	
		447T-449T	**LM18871**	1,282	40	1
CS, CCF & CCS (excludes those motors with NN in NOTES column)		143T-184T	**LM18864**	214	2	
	P, B	213T-256T	**LM18865**	214	2	
		284T-326T	**LM18866**	310	3	
		364T-405T	**LM18867**	353	3	
		444T-445T	**LM18870**	470	4	
		447T-449T	**LM18871**	1,282	40	1, 2
MD & SE	S	284T-286T	**LM12429**	236	2	
		324T-365T	**LM16572**	303	2	
		404T-405T	**LM16574**	882	40	1
		404T-405T	**LM12454**	1,146	35	1
		444T-445T	**LM16577**	1,242	40	1

Specifications are subject to change without notice

Notes: P=EPAct, B=Premium, S=Standard Eff., G=U-Frame Standard
1. Kit includes larger than standard terminal box.
2. Terminal box is heavy gauge steel CS models normally have cast iron box
3. Blower motor on TEBC CTAC® models, 284T frames and larger, is not CE compliant
* Multiguard® motors
Usable on 380 to 575V (for others, contact Lincoln). Price includes terminal strip suitable for six connections and grounding lug. Contact customer service regarding nameplate with CE mark.
Copies of Lincoln's Declaration of Conformity for the low voltage Declaration of Conformity for the Low Voltage Directive and Manufacturer's Declaration for the Machinery Directive are available on request

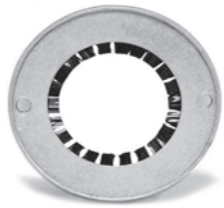
Accessories / Kits

Shaft Grounding Rings (SGRs)

For use with Lincoln rolled steel, aluminum and cast iron frame US built motors
For use with LEESON® Inverter Duty, 800000 Series cast iron motors
For Use with LEESON IEEE-841 duty motors
Note - will not meet DIV 2 certification with SGRs

Shaft grounding is recommended (NEMA® MG1 31.4.4.3) as an effective means of bearing protection for motors operated from inverter power. One grounding device is adequate to bleed down inverter-sourced shaft voltages, thereby protecting both bearings for motors as large as 6085 frame. Kits includes grounding ring, mounting hardware and instructions. Shaft ground rings fit these NEMA shaft extension frames listed below, they are designed to mount on the shaft end.

AEGIS® BEARING PROTECTION RINGS



Shaft Grounding Ring (SGR)

Note: Cannot Be Used On Explosion Proof Motors

NEMA Frame	Catalog Number	Stock	List Price
48	**LM32396**	√	189
56	**LM32397**	√	189
143-145T	**LM32398**	√	189
182-184T	**LM32399**	√	221
213-215T	**LM32401**	√	251
254-256T	**LM32402**	√	315
284-286T	**LM32403**	√	563
284-286TS	**LM32402**	√	315
324-326T	**LM32405**	√	441
324-326TS	**LM32403**	√	563
364-365T	**LM32407**	√	504
364-365TS	**LM32403**	√	563
404-405T	**LM32409**	√	751
404-405TS	**LM32405**	√	441
444-445T	**LM32411**	√	1,320
444-445TS	**LM32407**	√	504
447/449T	**LM32411**	√	1,320
447/449TS	**LM32407**	√	504

Specifications are subject to change without notice

For Use with CI Wattsaver® Motors "17" Series Shaft Grounding Ring (SGR)

NEMA Frame	Motor Poles	Catalog Number	List Price
182-4T	2-4	**176090.60**	122
213-5T	2-4-6	**176091.60**	146
254-6T	2-4-6	**176092.60**	181
284-6T/TS	2-4-6	**176093.60**	190
324-6T/TS	2-4-6	**176094.60**	203
364-5T/TS	2-4-6	**176095.60**	220
404-5T/TS	2-4-6	**176096.60**	327
444-5T	4-6	**176097.60**	512
447-9T	4-6	**176098.60**	512

Specifications are subject to change without notice

Note: TEFC Motors produced after August 2015 have holes available for mounting these kits. April 2016 on ODP Models. Not available on 180 and 210 frame ODP motor

For Use with LEESON Ultimate e™ Series Motors ODP and TEFC designs Shaft Grounding Ring Kit (SGR)

NEW!

NEMA Frame	Motor Poles	Catalog Number	List Price
182-4T	2-4-6	**176154.00**	119
213-5T	2-4-6	**176155.00**	142
254-6T	2-4-6	**176156.00**	176
284-6T/TS	2-4-6	**176157.00**	185
324-6T Δ	2-4-6	**176158.00**	197
364-5TS	2	**176158.00**	197
364-5T	4-6	**176159.00**	214
404-5T	4-6	**176161.00**	318
404-5TS	2	**176162.00**	318
444-5T - 447T - 449T	4-6	**176163.00**	498
444-5TS - 447TS - 449TS	2	**176164.00**	498

Specifications are subject to change without notice

Δ - No SGR ring for TEFC 324/326TS frame motors
For use with Ultimate E Series motors built after Sept. 2015

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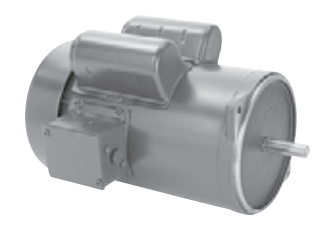
Types of Motor Mounts

Rigid base is bolted, welded, or cast on main frame and allows motor to be rigidly mounted on equipment.

Resilient base has isolation or resilient rings between motor mounting hubs and base to absorb vibrations and noise. A conductor is imbedded in the ring to complete the circuit for grounding purposes.

NEMA® C face mount is a machined face with a pilot on the shaft end which allows direct mounting with the pump or other direct coupled equipment. Bolts pass through mounted part to threaded hole in the motor face.

NEMA D flange mount is a machined flange with rabbet for mountings. Bolts pass through motor flange to a threaded hole in the mounted part. NEMA C face motors are by far the most popular and most readily available. NEMA D flange kits are stocked by some manufacturers, including LEESON.



Type M or N mount has special flange for direct attachment to fuel atomizing pump on an oil burner. In recent years, this type of mounting has become widely used on auger drives in poultry feeders.

Extended through-bolt motors have bolts protruding from the front or rear of the motor by which it is mounted. This is usually used on small direct drive fans or blowers.

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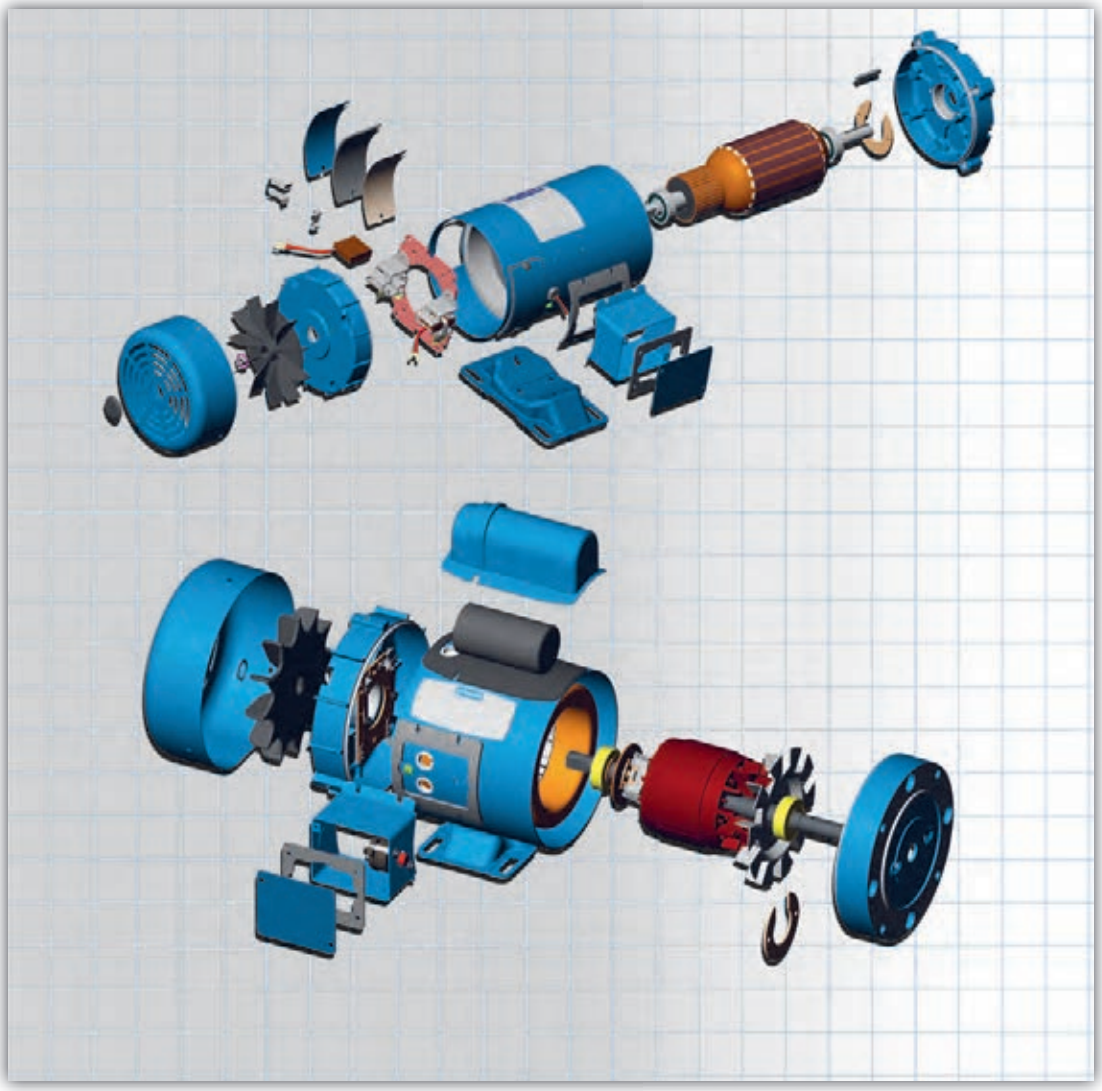

Contact your local LEESON Sales office for genuine replacement motor parts.

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Mod-Squad Stock Motor Modification Program

Your motor, your way...now

The Mod-Squad stands on alert ready to tailor a LEESON® or Lincoln stock motor to meet your modified motor needs in a few days or less. From one modified motor up to a few—there is no faster, more versatile source for mechanically or electrically "customerized" motors.

Starting with an off-the-shelf LEESON or Lincoln motor selected from the nearly 6,000 LEESON or Lincoln stock motors, the modifications listed here can be completed in the time frame noted for each item.

Ordering Information

To order please specify the catalog number of the LEESON or Lincoln stock motor to be modified and the Mod-Squad modification catalog number or numbers desired.

An inventory of popular motors is maintained by the Modification Center for fast delivery. However, delivery of the modified motor is governed by availability of the stock motor. If a stock motor is shipped from a District Warehouse, delivery of the mod will be extended.

Modification list prices are subject to the same discounts that apply to the motor. (Some motors, such as explosion-proof, may not be modified.) Days noted are working days excluding holidays and weekends—larger quantities may require additional leadtime.

MOD-SQUAD Cancellation Policy

Modified motors may not be returned for credit or re-stocking. If a modification order is cancelled after it has been completed, but before it is shipped, a cancellation charge of double the amount of the modification charge will be invoiced to the customer. Any Mod-Squad order cancelled before the modification is completed is subject to cancellation charges of 10% of total charges for that item.

Terms are net 30 days, FOB Indianapolis, IN, with freight prepaid on single shipments of 1,500 pounds or 3,000 dollars or more to the first destination within the continental United States, excluding Alaska.

Index to Motor Modifications

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NEW!
Shaft Grounding Ring Modification

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L2 Bearing Modifications

Two Days

#L2a Changing shielded bearings to sealed bearings on stock motors. 48-449T, Agricultural motors as well as all Washguard® duty and Wash-Thru motors have sealed bearings as standard. Note: Adding sealed bearings to motors having grease fittings may not make the bearings regreasable. Grease fittings will be removed and plugged.

NEMA® Frame	Catalog Number	List Price
42	**L2A42**	198
48	**L2A48**	198
56	**L2A56**	198
143T-145T	**L2A140**	203
182T-184T	**L2A180**	221
213T-215T	**L2A210**	235
254T-256T	**L2A250**	413
284T-286T	**L2A280**	525
324T-326T	**L2A320**	690
364T-365T	**L2A360**	1,223
404T-405T	**L2A400**	1,267
444T-449T	**L2A440**	1,688

#L2b Stock motors with shielded or sealed bearings – replace standard bearings with ones having low-temperature lubricant (Beacon® #325 or equivalent), with a temperature range of –75°F to +250°F. Standard lubricant has a temperature range of –20°F to +300°F and is considered a high temp lubricant for these motors. Explosion proof motors can only be rated to a –13°F temperature.

NEMA Frame	Catalog Number	List Price
42	**L2B42**	198
48	**L2B48**	198
56	**L2B56**	198
143T-145T	**L2B140**	203
182T-184T*	**L2B180**	221
213T-215T*	**L2B210**	235

*Rolled steel, cast iron or aluminum motors
Note: Not available on Washdown Duty Motors
Note: IEC motors with equivalent frame sizes are also applicable for this Mod.
Note: Cannot modify Stainless Motors for L2b modification

#L2c Change bearing grease on cast iron motors with open-type regreaseable bearings. Endbells and bearings are purged and repacked with low-temperature grease (Beacon #325 or equivalent) with a temperature range of -75°F to +250°F or high-temperature grease (Dow Corning® DC44M or equivalent) with a temperature range of -40°F to +400°F. Specify grease to be used. Check with LEESON to verify the motor can operate in the temperature range required! LEESON Motors Only.

NEMA Frame	IEC Frame	Catalog Number	List Price
254T-256T	–	**L2C250**	379
284T-286T	160	**L2C280**	423
324T-326T	180	**L2C320**	591
364T-365T	200	**L2C360**	632
404T-405T	225	**L2C400**	1012
444T-449T	250	**L2C440**	1,390

#L2d Install insulated bearings to protect inverter-driven motors from inverter-sourced shaft voltages. May not be installed on Division 1 or Division 2 hazardous locations. Contact factory for lead time on installing insulated bearings.

NEMA Frame	Catalog Number	List Price
143T-145T	**L2D140**	490
182T-184T	**L2D180**	587
213T-215T	**L2D215**	1,725
254T-256T	**L2D250**	1,836
284T-286T	**L2D280**	1,836
324T-326T	**L2D320**	1,994
364T-365T	**L2D360**	2,038
404T-405T	**L2D400**	2,062
444T-449T	**L2D440**	2,285

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Dow Corning is a trademark of Dow Corning Corporation.
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Mods / Factory Options

L3 Brakemotor Modifications

"Motors and BrakeKits sold separately"

Leadtimes subject to availability

#L3a Convert brakemotors (TENV only) with standard enclosure brakes to weatherproof brakes by changing the disc brake. Weatherproof brakes have additional sealing and protection. Price includes cost of weatherproof brake.
Lead time = 3 days

#L3b Change the standard brake to one with a different torque rating. Specify torque rating. Standard enclosure brakes only—not weatherproof. Some torque limitations apply, specify torque rating.
Catalog Number L3B. List price - $169
Lead time = 3 days

Catalog Number	List Price
L3A3	864
L3A6	864
L3A10	882
L3A15	909
L3A25	1,000

#L3c Change brake coil voltage. Change from standard coil voltage to 115 volts (for Stearns® brand brakes only).
Catalog Number L3C. List Price $169
L3c - Break coil sold separately, contact LEESON for pricing. **Leadtime = 14 days**

BrakeKit Installation

#L3d Install a LEESON BrakeKit. See brakemotor section for BrakeKits available and motors that can be converted. Specify the catalog number of both the stock motor and the BrakeKit.
List Price $345
Lead time = 3 days

#L3e Remove brake from stock brakemotor for customers supplying their own brake. Specify
Catalog Number L3E. List Price $345
Lead time = 3 days

#L3f Assemble double C-face coupler brake on C-face motor. MOD charge is for assembly only. Brake and motor are purchased separately. Specify the catalog number of the stock motor and coupler brake.
Catalog Number L3F56140 - 56C, 143TC, or 145TC motors. List Price $345
Catalog Number L3F180210 - 182TC, 184TC, 213TC, or 215TC motors. List Price $494
Lead time = 3 days

#L3g Change Brake Coil Voltage. Change from standard coil voltage to 200 volts (for Stearns brand brakes only).
Catalog Number L3G1.5-3 – 1.5 & 3 lb-ft brakes. List Price $409
Catalog Number L3G6-10 – 6 & 10 lb-ft brakes. List Price $409
Lead time = 14 days

L5 Cords, Plugs and Grounding Provisions

Three Days

#L5a For single phase motors, install grounded line cord of type S.O., three-conductor oil resistant cord, connected in the conduit box or terminal panel, with strain relief. No plug. **Specify cord length, voltage and shaft rotation (clockwise or counterclockwise) viewed from the drive shaft end of the motor.**

Wire Gauge	Max Amp Rating Single Phase	Catalog Number 6 ft. or Less	List Price 6 ft. or Less	Catalog Number Each Add'l. Foot	List Price Each Add'l Foot to 10 ft. Max.
16	13	**L5A16**	165	**L5A16ADD**	3
14	18	**L5A14**	173	**L5A14ADD**	3
12	25	**L5A12**	181	**L5A12ADD**	4

#L5b Install 6-foot grounded type S.O. cord with plug, 115VAC single phase only. **Specify cord length, shaft rotation (clockwise or counterclockwise) viewed from the drive shaft end of the motor.**

HP	Catalog Number 6 ft. or Less	List Price 6 ft. or Less	Catalog Number Each Add'l. Foot
1 and smaller	**L5B**	164	**L5BADD**

#L5c Add an additional grounding screw to the endbell of drip-proof or totally enclosed non-ventilated NEMA® 48 or 56 frame motors. Meets UL 1081 swimming pool motor grounding provisions (includes slinger)
Catalog Number L5C. List Price $140

Grounded Cord w/Plug

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L6 Switches – Power or Electronic Starting — Three Days

NOT FOR 1 PHASE EXPLOSION PROOF OR STAINLESS MOTORS

#L6a On-off switch for 2 HP and smaller single phase motors only. Install double-pole, single-throw switch in the conduit box, with switch guard and a 6-foot type S.O. cord with grounded plug, **115 VAC or 230 VAC—please specify. Also specify shaft rotation (clockwise or counterclockwise) viewed from the drive shaft end of the motor.**

Rating	Catalog Number	List Price
16-20A/115V or 230V	**L6A**	349

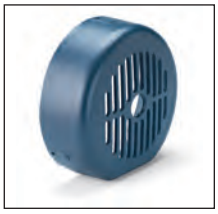
On-Off Switch w/Guard

#L6b Replace mechanical centrifugal switch on single phase motors 2HP and smaller with solid-state, encapsulated, electronic starting switch. Capacitor-start, induction-run motors only. **Subject to engineering approval.** Catalog Number L6B. List Price $365

L7 Severe Duty – Cast Iron Fan Covers – LEESON® Motors Only — Three Days

#L7a Remove steel fan guard and install a cast iron fan guard on LEESON 150, G150 and 170 series NEMA and 193 series IEC TEFC cast iron motors to meet severe duty, mill and chemical duty specifications. Note: These motors have cast iron endbells, frame, and conduit box as standard. **Lincoln Motor has a line of severe duty motors that include a cast iron fan guard. See page 106.**

NEMA® Frame	IEC Frame	Catalog Number	List Price
182T-184T	–	**L7A180**	366
213T-215T	–	**L7A210**	412
254T-256T	–	**L7A250**	503
284T-286T	160	**L7A280**	784
324T-326T	180	**L7A320**	813
364T-365T	200	**L7A360**	1,145
404T-405T	225	**L7A400**	1,241
444T-445T	250	**L7A445**	1,249
447T-449T	280	**L7A449**	1,274



Cast Iron Fan Cover

L8 Condensate Drains – Totally Enclosed Motors — Two Days

#L8a 215T and smaller steel frame motors. Drill one or two condensation drain holes on the periphery or in the face of each endbell of steel frame 215T frame and smaller totally enclosed motors. **Specify location in both the shaft end and opposite endbell using a drawing or clockface analogy.** When specified, a drain can be added to the face of one endbell for shaft up or down mounting.

NEMA Frame	Catalog Number	List Price
215T and smaller	**L8A40210**	257
254T-365T	**L8A250360**	357
404T-449T	**L8A400440**	428

Condensate Drain

#L8b 182T and larger cast iron frame motors. Provides an additional one-way, cross-drilled stainless steel condensation drain on the periphery or in the face of each endbell. Provide a drawing or clockface analogy for position in each endbell.

NEMA Frame	Catalog Number	List Price
215T and smaller	**L8B40210**	257
254T-365T	**L8B250360**	357
404T-449T	**L8B400440**	428

#L8c Add brass drains and breather on all non-explosion proof and non-washdown duty motors 56 - 449T frame.

NEMA Frame	Catalog Number	List Price
215T and smaller	**L8C56210**	257
254T-365T	**L8C250360**	357
404T-449T	**L8C400440**	428

NEW!

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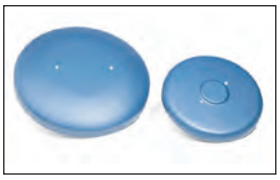
Mods / Factory Options

L9 Drip Cover – Open, Drip-Proof Motors — Two Days

#L9a Install a drip cover on steel frame motors. Price includes drip cover.
LEESON® Motors Only

NEMA® Frame	Catalog Number	List Price
48-145T ^	**L9A40140**	169
182T-184T *	**L9A180**	183
213T-215T *	**L9A210**	203

* Not for explosion proof motors
^ For motors having the date suffix letter of B, P or K.
* For motors having the date code suffix letter of M



Drip Cover

#L9b Install a drip cover on cast iron motors. Price includes drip cover.
LEESON Motors Only

NEMA Frame	Catalog Number	List Price
182T-184T	**L9B180**	183
213T-215T	**L9B210**	203
254T-256T	**L9B250**	243

For LEESON Wattsaver® cast iron motors - "17" Series

#L9c Install a drip cover on SPD, SRD and SSD Model Numbers. Not suitable for use on motors having NN in Notes column.
Lincoln Only

NEMA Frame	Catalog Number	List Price
48-56*	**L9C4856**	169
56-145T	**L9C56145**	169
182T-184T	**L9C182184**	183
213T-215T	**L9C213215**	203

* Motors having a 2.18 inch bolt circle for the mounting holes

L10 Leads – Reconnect, Remark or Extend — Two Days

#L10a Re-Connect leads in the conduit box to a single voltage and/or for wye or delta connection. Most motors 444T frame and above are single voltage. Specify voltage and connection.

NEMA Frame	Catalog Number	List Price
48-145T	**L10A40140**	186
182T-184T	**L10A180**	295
213T-215T	**L10A210**	392
254T-256T	**L10A250**	439
284T-286T	**L10A280**	581
324T-326T	**L10A320**	657
364T-365T	**L10A360**	657
404T-405T	**L10A400**	736
444T-449T	**L10A440**	820

Not for IEC - Metric Motors

#L10c Extend leads up to 42 inches longer than standard by splicing. **Specify additional length required.**

NEMA Frame	Catalog Number	List Price
48-145T	**L10C40140**	186
182T-184T	**L10C180**	295
213T-215T	**L10C210**	392
254T-256T	**L10C250**	439
284T-286T	**L10C280**	581
324T-326T	**L10C320**	657
364T-365T	**L10C360**	657
404T-405T	**L10C400**	736
444T-449T	**L10C440**	736

#L10b Remark leads using metal markers. Any size motor. **Specify markings, letters or numbers. Specify Catalog Number L10B.** List Price $198

#L10d Add crimp-type terminal lugs – steel frame motors. Lugs standard on LEESON cast iron motors. **Specify Catalog Number L10D.** List Price $153

L11 Shaft Seals — Three Days

#L11a Install an oil seal on the shaft end of 215T and smaller steel frame LEESON motors. May be installed on single, three phase or direct current motors, but not explosion-proof motors.

Catalog Number	List Price
L11A	491

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L12 Mountings

#L12a Add a stamped steel rigid base to steel frame motors. For 182-4T frame motors, minimum 8.50" (TEFC, rigid, C face) or 8" (ODP, rigid, C face) frame length is required. LEESON® Motors Only

NEMA® Frame	Catalog Number	List Price
42-48	**L12A4248**	198
56	**L12A56**	201
143T-145T	**L12A140**	201
182T-184T	**L12A180**	242
213T-215T	**L12A210**	295

Note: It is not possible to add a base to some three phase motors as the resulting rigid base motor will be subject to EISA mandated efficiency values. Contact the factory.

This Mod cannot be done on an explosion proof motor for an F2 conduit box location, cannot modify stainless steel motors for L12a modification.

#L12b Remove stamped steel rigid base from steel frame motors.

NEMA Frame	Catalog Number	List Price
42-56	**L12B4256**	304
143T-145T	**L12B140**	304

Excludes Explosion Proof and Stainless Steel Motors

#L12c Install a NEMA C face on steel frame motors 215T and smaller. Specify if the rigid base is to be removed. If so, add for modification #L12b listed above. List Price includes C face Kit. LEESON Motors Only

NEMA Frame	Catalog Number	List Price
42-56*	**L12C4256**	256
143T-145T	**L12C140**	256
182T-184T	**L12C180**	277
182T-184T**	**L12C180U**	277
213T-215T	**L12C210**	343

Excludes Explosion Proof Motors

*Adding a 48 C-Face results in a non-NEMA BA dimension.
** Convert a 182T-184T frame motor to have a C-face dimensions of a 143T-145T or 182U-184U frame motor (AJ = 5 7/8 ", AK = 4 1/2"). The shaft dimensions and base location will not change.

#L12d Install a NEMA C face to 150, 170 or 199 series cast iron motors. The rigid base cannot be removed from these cast iron frame motors. List Price includes C Face Kit. LEESON Motors Only

NEMA Frame	Catalog Number	List Price
182T-184T	**L12D180**	460
213T-215T	**L12D210**	501
254T-256T	**L12D250**	634
284T-286T	**L12D280**	767
324T-326T	**L12D320**	994
364T-365T	**L12D360**	1,080
404T-405T	**L12D400**	1,180
444T-445T	**L12D440**	1,451
447T-449T	**L12D4479**	1,533

#L12e Install a NEMA D flange to open or totally enclosed motors of steel frame construction in 182-4T frame and cast iron 150 and 170 series motors in 213T frames through 445T frame. Steel rigid base can be removed from steel frame 182-4T frame motors. Specify and add for modification L12b. Rigid base cannot be removed from cast iron frame motors. List Price includes D Flange. LEESON Motors Only

NEMA Frame	Catalog Number	List Price
182T-184T	**L12E180**	460
213T-215T	**L12E210**	501
254T-256T	**L12E250**	634
284T-286T	**L12E280**	767
324T-326T	**L12E320**	994
364T-365T	**L12E360**	1,080
404T-405T	**L12E400**	1,448
444T-445T	**L12E440**	1,884

#L12f Convert standard F1 motors to F2, sidewall or ceiling mounting. Consists of repositioning the endbell vents and condensation drains where applicable and the conduit box lead hole. Note: If brakemotor, brake knob will be located at 6 o'clock. Note: Only the 56/140 frame motors can have the motor bases removed where needed. LEESON or Lincoln branded motors where applicable. Excludes DC motors.

NEMA Frame	Catalog Number	List Price
56-184T	**L12F56180**	392
213T-215T	**L12F210**	425
254T-326T	**L12F250320**	507
364T-449T	**L12F360449**	657

Three phase only; single phase motors cannot be converted.
Please contact factory for Explosion proof motor approval for this modification. Washdown and DC motors cannot be converted to F2.

#L12g Rotate standard conduit box position by 90° increments. Specify by clock face, i.e. 9 o'clock, 12 o'clock, etc. for position (viewed from shaft end). Consists of repositioning the endbell vents and condensation drains where applicable and the conduit box lead hole. Note: If brakemotor, brake knob will be rotated 90° from conduit box. This mod. can no longer be offered on the 180 and 210 frame motors for the bases of these motors can no longer be removed without damaging the motor. List Price includes D Flange.

NEMA Frame	Catalog Number	List Price
56-145T	**L12G56140**	392

Three phase rolled steel only; single phase motors cannot be converted.

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More L12 mountings on next page.

Mods / Factory Options

L12 Mountings

Two Days

#L12h Install a metric (IEC) B5 flange to 190 series cast aluminum or cast iron AC motors and DC steel frame motors. List Price includes B-5 Kit. LEESON® Motors Only

IEC Frame	Catalog Number	List Price
63	**L12H63**	268
71	**L12H71**	309
71 (DC)	**L12HD71**	349
80	**L12H80**	501
80 (DC)	**L12HD80**	268
90	**L12H90**	501
90 (DC)	**L12HD90**	268
100	**L12H100**	707
112	**L12H112**	903
100/112/(DC)	**L12HD100112**	309
132	**L12H132**	349
160	**L12H160**	501
180	**L12H180**	570
200	**L12H200**	707
225	**L12H225**	903

#L12i Install C Face kit to an IEEE-841 motor. Modification includes C Face kit and new Inpro shaft seal. Bases cannot be removed from these motors.

NEMA Frame	Catalog Number	List Price
143T-145T	**L12I140**	323
182T-184T	**L12I180**	460
213T-215T	**L12I210**	501
254T-256T	**L12I250**	634
284T/TS-286T/TS	**L12I280**	767
324T/TS-326T/TS	**L12I320**	994
364T-365T	**L12I360**	1,652
404T-405T	**L12I400**	1,694
447T-449T	**L12I440**	1,694

#L12j Install a metric (IEC) B14 face to 190 series cast aluminum or cast iron AC motors and DC steel frame motors. List Price includes B-14 Kit. LEESON Motors Only

IEC Frame	Catalog Number	List Price
63	**L12J63**	268
71	**L12J71**	309
71 (DC)	**L12JD71**	349
80	**L12J80**	501
80 (DC)	**L12JD80**	268
90	**L12J90**	501
90 (DC)	**L12JD90**	268
100	**L12J100**	707
112	**L12J112**	903
100/112/(DC)	**L12JD100112**	309
132	**L12J132**	349
160	**L12J160**	501

#L12k Reposition feet and nameplate (to relocate conduit box) on AC aluminum-frame IEC motors (63 thru 90L frame). LEESON Motors Only

IEC Frame	Catalog Number	List Price
63	**L12K63**	175
71	**L12K71**	185
80	**L12K80**	198
90	**L12K90**	247

#L12l Install C Face. For motors having AF/AAF in the model number. List Price includes C Face Kit. Lincoln Only

NEMA® Frame	Catalog Number	List Price
182T-184T	**L12L182184**	277
213T-215T	**L12L213215**	343
254T-256T	**L12L254256**	387
284T-286T	**L12L284286**	434

#L12m Install C Face. For motors having SRF in the model number. List Price includes C Face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
56 (203 brg)	**L12M56203**	256
56 (205 brg)	**L12M56205**	256

#L12n Install C Face. For motors having SSF in the model number. List Price includes C Face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
143T-145T	**L12N143145**	256
182T-184T	**L12N182184**	277
213T-215T	**L12N213215**	343

#L12o Install C Face. For motors having SF in the model number, having a cast iron endbell. List Price includes C Face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
324T/TS-326T/TS	**L12O324326**	994
364T/TX-365T/TS	**L12O364365**	1,080
404T/TS-405T/TS	**L12O404405**	1,180
444T/TS-445T/TS	**L12O444445**	1,451
447T/TS-449T/TS	**L12O447449**	1,533

#L12p Install C Face. For motors having CCN in the model number. List Price includes C Face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
143-145T	**L12P143145**	256

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#L12q Install C Face. For motors having CCF in the model number. List Price includes C Face Kit. Lincoln Only

NEMA® Frame	Catalog Number	List Price
143T-145T	**L12Q143145**	256
182T-184T	**L12Q182184**	460
213T-215T	**L12Q213215**	501
254T-256T	**L12Q254256**	634
284T-286T	**L12Q284286**	767
342T-326T	**L12Q324326**	994

#L12r Install C Face. For motors having CCS in the model number. List Price includes C Face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
143T-145T	**L12R143145**	256
182T-184T	**L12R182184**	460
213T-215T	**L12R213215**	501
254T-256T	**L12R254256**	634
284T/TS-286T/TS	**L12R284286**	767
342T/TS-326T/TS	**L12R324326**	994
364T/TS-365T/TS	**L12R364365**	1,080
404T/TS-405T/TS	**L12R404405**	1,180
444T/TS-445T/TS	**L12R444445**	1,451

L13 Nameplates — Three Days

#L13a Provide an extra motor nameplate-unmounted. (Nameplate only) Add customer part number or change to other voltage or frequency service. **Unmounted nameplates are not available for explosion-proof motors.**

Note: Markings for UL and CSA cannot be included on unmounted nameplates that are shipped loose and not installed on a motor.

① Add $1 (net) for each additional Aluminum or Mylar nameplate.② Add $2 (net) for each additional stainless steel nameplate.③ Catalog Number L13A. List Price per motor $138 60Hz single phase motors cannot be re- rated to 50Hz Must Provide Date Code Information.

#L13b Replace, existing nameplate on provided motor. Add customer part number or change to other voltage or frequency service and mount to motor. ① List Price per motor $160

Note: Not available for motors that are all stainless steel construction.

#L13c Replace standard aluminum nameplate with stainless steel nameplate. LEESON® cast iron, WASHGUARD® and severe duty motors have stainless steel nameplates as standard.① Add $2 (net) for each additional stainless steel nameplate. ② List Price per motor $164

① Must specify catalog number and date code of motor's existing nameplate. Nameplates changed to a single voltage connection does not mean motors would be re-connected to this connection unless the L10 Mod is also requested. ② Additional nameplates must be identical.

L14 Paint — Two Days*

#L14a Repaint motor to another LEESON or Lincoln stock paint color. A sample of choices include LEESON blue, white epoxy, farm duty red, light gray epoxy, black, or black epoxy. Powder coat paint is not available as a modification. For Lincoln motors, your choices include: Lincoln gray, severe duty blue, black or gloss white. Not available on Lincoln Wash-thru motors. **Specify color.**

***Note: Epoxy paint requires extra curing time. Please allow one additional day.**

	Frame	Catalog Number	List Price
NEMA	42-215T	**L14A40210**	169
NEMA	254T-365T	**L14A250360**	342
NEMA	404T-449T	**L14A400440**	546
IEC	63-90	**L14A6390**	169
IEC	100-225	**L14A100225**	343

L15 Rodent Screens – LEESON Motors Only — Two Days

#L15a Add rodent screens to open drip-proof motors, cast iron and steel frame, 326T and smaller.

NEMA Frame	Catalog Number	List Price
182T-S213T	**L15A40210**	269
254T-286T	**L15A250280**	613
324T-326T	**L15A320**	822

L16 Space Heaters, Anti-Condensation — Five Days

#L16a Add anti-condensation space heaters to totally enclosed or open motors. Standard space heater voltage is 115 VAC. **Heaters for 230 or 460 VAC are available. Specify circuit voltage.** May be installed in single, three phase or direct current motors. Explosion proof motors are not included. Washdown duty motors are not included.

NEMA Frame	Catalog Number	List Price
145T and smaller	**L16A40140**	374
182T-215T	**L16A180210**	471
254T-365T	**L16A250360**	704
404T-449T	**L16A400440**	924

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Mods / Factory Options

L17 Lint-Proof Textile Service Motors – LEESON® Motors Only — Two Days

#L17a Convert a standard totally enclosed-fan cooled motor to textile service by modifying the fan cover to reduce "snagging" of lint and reduction in cooling air for the motor. Price includes kit cost.

Lint-Proof Kit

NEMA Frame	Catalog Number	List Price
56-145T	**L17A40140**	342
182T-184T	**L17A180**	446

L18 Motor Protection — Two Days

#L18a Thermostats on the winding. Install one or more thermostats in the windings of NEMA® frame AC motors on the brush plate of DC motors or on the inside of frame on Sub-FHP DC motors. These are pilot or signal devices only, to be used in series with a motor controller or starter to remove power from the motor. Red color leads are brought into the conduit box. **Specify normally open or closed contacts.** Normally closed thermostats connected in series. **Thermostats cannot be installed in explosion-proof or Washdown duty motors.**

Type	NEMA Frame	Catalog Number	No. of Devices	List Price
Single Phase	All	**L18AS40210**	1	213
Three Phase	42-215T	**L18AT40210**	2	242
Three Phase	254T-365T	**L18AT250360**	2	657
Three Phase	404T-449T	**L18AT400440**	2	820
Direct Current	42-56	**L18AD4056**	1	242

#L18c Thermistors on the winding. As standard, three (3) thermistors are furnished, one per phase. As the critical temperature of the motor's winding is reached, the resistance of the thermistor changes radically, causing operation of a control relay. Not available on washdown duty motors, explosion proof motors or medium voltage motors.

Type	NEMA Frame	Catalog Number	No. of Devices	List Price
Three Phase	42-215T	**L18CT40210**	3	273
Three Phase	254T-365T	**L18CT250360**	3	687
Three Phase	404T-449T	**L18CT400440**	3	851

Note: IEC motors with equivalent frame sizes are included in this Mod.

Note: Thermostat and Thermistor Descriptions:
Thermostats are made of two or three different metal strips that each expand at different rates when heated. They are sandwiched together to make a laminated strip, with a set of electrical contacts at one end securely mounted to a platform. When the strip is heated it warps and the contacts open as a threshold temperature is exceeded. Thermostats are reliable, noise immune and easily configured into control schemes. Typically, inverter-duty motors have thermostats as standard equipment.

Thermistors are conductive ceramic materials, whose resistance remains relatively constant over a broad temperature range, then changes abruptly at a design threshold point, creating essentially a solid-state thermal switch. Attached control modules register this abrupt resistance change and produce an amplified output signal, usually a contact closure or fault trip annunciation. Thermistors are more accurate and faster responding than thermostats.

L19 Fungus Proofing and Tropicalization — Two Days

#L19a Special treatment of the motors windings and mechanical parts to resist tropical environments. Not available on brakemotors, washguard duty motors and explosion proof motors.
** AC or DC Motors

NEMA Frame	Catalog Number	List Price
42-215T**	**L19A40210**	282
254T-365T	**L19A250360**	410
404T-449T	**L19A400440**	654

L20 Weatherproofing – Three Phase, Totally Enclosed Motors* — Five Days

#L20a Treatment of mechanical and electrical components of LEESON steel frame totally enclosed motors to resist weather in application outside or in high-moisture conditions. NOTE: LEESON 150 and 170 series cast iron motors are weatherproofed as standard. LEESON WASHGUARD® motors are also well-suited for outside and high-moisture applications. Not available on brakemotors or explosion proof motors.

NEMA Frame	Catalog Number	List Price
42-215T**	**L20A40210**	276

For single phase weatherproofed motors, see Washguard motors on pages 149 and 172.
** AC or DC motors

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L21 Marine Service (IEEE 45) Motors – Three Phase, Totally Enclosed – LEESON® Motors Only — Five Days

#L21a In order for a motor to be approved for the L21 MOD, the motor must meet:
- IP 54 minimum protection
- Motor frame, conduit box and endbells must be cast iron construction - cast iron fan cover must be added
- Motor's temperature rise must meet 70 degrees C or less and must be rated at 1.15 or higher Service Factor (S.F.)

NEMA® Frame	Catalog Number	List Price
56-215T**	**L21A40210**	282
254T-365T	**L21A250360**	474
404T-405T	**L21A400**	704
444T-449T	**L21A440**	890

Contact your local sales office for more information

L22 Shaft Modifications — Five Days

#L22a Drill and tap one hole in either end of motors shaft or mill a flat on the drive end shaft extension. **Provide details of hole, thread size or flat with the order.** List price is per modification. For example, a motor modified by adding a tapped hole and flat would be priced by adding the list price twice. 3 inches maximum depth hole.
Does not include keyway modification.

NEMA Frame	Catalog Number	List Price
42-145T	**L22A40140**	255
182T-184T	**L22A180**	269
213T-215T	**L22A210**	420
250T-280T	**L22A250280**	469

#L22b TEFC to air-over service. Convert a motor from totally enclosed, fan cooled construction to totally enclosed, air-over service by removing fan cover and fan and cutting off the fan end shaft. The modified motor must be mounted in the air stream of the driven fan for cooling purposes.

NEMA Frame	Catalog Number	List Price
42-145T	**L22B40140**	255
182T-184T	**L22B180**	269
213T-215T	**L22B210**	374

#L22c Machine to "TS" shaft dimensions.
All products. Frames 284T-449T

NEMA Frame	Catalog Number	List Price
284/286T	**L22C280**	1,625
324/326T	**L22C320**	1,625
364/365T	**L22C360**	1,761
404/405T	**L22C400**	1,966
444-449T	**L22C440**	1,966

L23 Tachometer Mounting Provisions – DC Motors - LEESON Motors Only — Five Days

#L23a Add a tachometer mounting kit to NEMA frame size Direct Current motors. See page 323 for availability of tachometer mounting kits. Does not include tachometer.

NEMA Frame	Catalog Number	List Price
S56	**L23AS56**	491
SS56	**L23ASS56**	609
56/145T	**L23A56140**	631

Tach Kit Adaptor

L24 CE Marking* — Five Days

#L24 Modify provided motor to comply with the nameplate designation, lead markings and connection diagrams required by the IEC34 motor specification. Modification includes a nameplate with the CE logo or a separate CE decal and a CE Declaration of Conformity document. Not available on DC motors below 75 V.D.C. LEESON Motors Only

Catalog Number	List Price
L24	236

CE
CONFORMITE EUROPEENE

#L24b CE Marking Kit - Includes new nameplate only with data in IEC34 format, lead markers for IEC lead designations, a connection diagram, and a CE Declaration of Conformity document. The nameplate will have the CE logo, or a CE decal will be provided. LEESON Motors Only UL will not be stamped on nameplate - Must provide motors date code.
Add $1 (net) for each additional aluminum or mylar nameplate.
Add $2 (net) for each additional stainless steel nameplate.

Catalog Number	List Price
L24B	142

* Explosion proof motors cannot be built or modified to meet CE.

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Mods / Factory Options

L25 Micro Series Inverter – Remote Keypad Option – LEESON® Motors Only — Two Days

#L25 A remote keypad for Micro Series inverters is available only as a factory installed option. The keypad is mounted in a gasketed steel faceplate that must be mounted in an enclosure for protection. An inverter modified for remote operation can only be operated from the remote keypad. Price includes remote keypad, faceplate, cable and factory modification charges. See AC Control section for remote keypad kits for the Sub-Micro Series Inverters.

Description	Catalog Number	List Price
Keypad with 2.5 foot cable	**L25A25**	573
Keypad with 5 foot cable	**L25A50**	626
Keypad with 10 foot cable	**L25A100**	732

L27 Terminal Blocks – NEMA® Motors – LEESON Motors Only — Five Days

#L27a Add a terminal block in the conduit box of rolled steel motor from 56 to 215T-frame. Install ring terminals on the motor leads.

- Conduit box on 56-frame motors will be changed to a longer version to accommodate the terminal board
- Use with single-phase or three-phase motors with no protector
- Specify connection voltage and direction of rotation for single-phase
- Not intended for 56, 143T & 145T-frame TENV or ODP motors that have a built-in conduit box. Contact LEESON for the suitability of adding a terminal board to one of these motors
- Cannot be added to WASHGUARD® Duty motors

NEMA Frame	Catalog Number	List Price
56/143T/145T	**L27A56140**	276
182T/184T/S213T	**L27A180**	309
213T-215T	**L27A210**	340

#L27b Install a terminal block kit in the conduit box of a cast iron NEMA frame motor. Price includes kit. (IEC motors have a terminal block installed as standard.)

NEMA Frame	Catalog Number	List Price
180/210T	**L27B180210**	340
250/280T	**L27B250280**	401
320/360T	**L27B320360**	460
400/440T	**L27B400440**	604

L28 Dynamic Braking Board – Micro Series Drives – LEESON Motors Only — Two Days

#L28 Install Dynamic Braking board in Micro Series drive. Note: Does not include Dynamic Braking resistor, which is ordered as a separate line item. See Micro Series accessory section of catalog for resistor selection. See page 402 for Dynamic Brake kits for the Sub-Micro Series inverters.

HP Rating	Voltage	Catalog Number	List Price
1/2 - 3HP	All	**L28A174184**	1,106
5HP	200-230V	**L28A174185**	1,160
5HP	460-480V	**L28A174185**	1,160
5HP	550-575V	**L28A174184**	1,106
7 1/2HP	200-230V	**L28A174192**	1,090
7 1/2HP	460-480V	**L28A174193**	1,090
7 1/2HP	550-575V	**L28A174193**	1,090
10-60HP	All	**L28A174192**	1,090

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L29 Encoder Kits – WATTSAVER® & SPEEDMASTER® Motors — Two Days

#L29a Assemble a stock Encoder Kit on a WATTSAVER motor. Price is for assembly only. Motor and kit are purchased separately. **Specify motor and kit numbers.**

Note: The assembly of an encoder kit on a WATTSAVER motor requires the removal of the external fan. The use of a Blower Fan Kit is strongly encouraged for proper cooling!

NEMA® Frame	Catalog Number	List Price
56-215T	**L29A56215**	296
254T-324T	**L29A250320**	478
360T-405T	**L29A360400**	540

#L29b Assemble a stock Encoder Kit on a SPEEDMASTER® motor. Includes assembly of conduit box kit ECB175926 on 215T-449T frame motors. Price is for assembly only. Motor and kits are purchased separately. **Specify motor and kit numbers.** LEESON Motors Only

NEMA Frame	Catalog Number	List Price
143T-215T	**L29B140210**	210
254T-365T	**L29B250360**	446
404T-449T	**L29B400440**	682

#L29c Available on Inverter Duty CTAC® Motors that have Model Number ending with Q10. Price is for assembly only. Encoder kit, Mounting kit and Motor sold separately. Lincoln Only

NEMA Frame	Catalog Number	List Price
56-215T	**L29C56210**	210
254T-365T	**L29C250360**	446
404T-445T	**L29C400440**	682

L30 Blower Fan Kits – WATTSAVER Motors — Two Days

#L30b Install a blower fan kit on a WATTSAVER motor. Price is for assembly only. Motor and kit are purchased separately. **Specify motor and kit numbers**. LEESON Motors Only

NEMA Frame	Catalog Number	List Price
56-215T	**L30B56210**	210
254T-326T	**L30B250320**	363
360T-440T	**L30B360440**	537

L31 Conduit Box Kits – Larger Size – Lincoln Only

#L31a Install larger size conduit box. AF, MD, SD and SF Model Numbers, S and H Efficiency Codes

NEMA Frame	Catalog Number	List Price
213T-215T	**L31A213215**	181
254T-256T	**L31A254256**	203
284T-286T	**L31A284286**	219
324T-326T	**L31A324326**	249
364T-365T	**L31A364365**	291
404T-405T	**L31A404405**	381

#L31b Install larger size conduit box. AF, MD, SD and SF Model Numbers, S and H Efficiency Codes

NEMA Frame	Catalog Number	List Price
143T-184T	**L31B143184**	166
213T-215T	**L31B213215**	181
254T-256T	**L31B254256**	203
284T-286T	**L31B284286**	219
324T-326T	**L31B324326**	249
364T-365T	**L31B364365**	291
404T-405T	**L31B404405**	381
444T-445T	**L31B444449**	533

L32 Shaft Grounding Rings – 48-449T Frame — Two Days

#L32a Add shaft grounding rings to LEESON cast iron WATTSAVER® motors. Cost includes kit and installation costs. Motors sold separately.

NEW!

Not available on 182T, 184T, 213T and 215T ODP WATTSAVER motors.

NEMA Frame	Motor Poles	Catalog Number	List Price
182-4T	2-4	**L32A180**	309
213-5T	2-4-6	**L32A210**	332
254-6T	2-4-6	**L32A250**	438
284-6T/TS	2-4-6	**L32A280**	478
324-6T/TS	2-4-6	**L32A320**	522
364-5T/TS	2-4-6	**L32A360**	561
404-5T/TS	2-4-6	**L32A400**	610
444-5T	4-6	**L32A440**	808
447-9T	4-6	**L32A447449**	836

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CUSTOMIZED AND MODIFIED PRODUCTS

CUSTOM MOTORS, GEARBOXES & GEARMOTORS

LEESON is a leading designer and manufacturer of application-specific AC and DC motors and gearmotors in sub-fractional, fractional and integral horsepower sizes. We offer a database of over 30,000 custom designs, experienced application and design engineering teams, to ensure the best, most cost-effective custom motor solution.

CUSTOM MULTI-SPEED & LOW-SPEED MOTORS

LEESON's PDQ Modular Production Program utilizes specially designed and standard components to make almost any imaginable NEMA® frame multi-speed or low-speed motor available when you need it. We pride ourselves on fast turnaround times on highly customized motors.

Custom motors include two, three and four-speed motors and speed ranges of 900, 720, 600, 450 and 300 RPMs. We also specialize in non-standard shaft designs.

For quotations, availability and application assistance, contact your local LEESON Sales office.

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Below is a listing of a few of our Factory "Build-up" options. Please contact our local Sales office for more information.

ADDITIONAL LEAD LENGTH	GROUND PROVISIONS
HIGH ALTITUDE	HARDWARE
AMBIENT	HIGH INERTIA LOAD
CONDUIT BOXES	INSULATION
BALANCE	LEADS
BEARINGS	LUBRICATION
ROLLER BEARINGS	MARINE DUTY
INSULATED BEARINGS	NAMEPLATES
BLOWER TYPES	PAINT
BRAKES	SCREENS
CONNECTIONS / CORDS	SEALS & SLINGERS
WYE DELTA	SEVERE DUTY
PART WIND START	SERVICE FACTOR
DOCUMENTATION - SUBMITTAL DATA	SHAFTS
DOWELING	SPACE HEATERS
DRAINS	TACHOMETERS - SEE ENCODERS
ENCODERS	TACONITE DUTY - SEE INPRO SEALS
END TURN BRACING	TERMINAL BLOCKS / STRIPS
END BRACKETS - FACES & FLANGES	TESTS
FREQUENCY - Other than 60Hz	THERMAL PROTECTION
GREASE FITTINGS	VERTICAL MODIFICATION
GREASE: LOW TEMP	VIBRATION DETECTOR
GREASE: HIGH TEMP	VOLTAGE - SPECIAL

Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
1309-50	113903.00			
AFL3520A	111332.00			
AFL3521A	111333.00			
AFL3522A	120374.00			
AFL3523A	120375.00			
AFL3524A	120376.00			
AFL3525A	111949.00			
AFM3528	111334.00			
AFM3529	111335.00			
AFM3530	120377.00			
AFM3532	120379.00			
ANFL3501M	101435.00			LM24462
ANFL3504M	101436.00			LM24463
ANFL3507M	101437.00			LM24812
ANFL3510M	113302.00			LM24813
ANFL3514M	113301.00			LM24814
Baldor	096068.00			
BM3108	114162.00			
BM3112	114163.00			
BM3116	114164.00			
BM3154T	G120370.00			
BM3157T	G120371.00			
BM3248T	G131627.00			
BM3538	114150.00			
BM3539	114149.00			
BM3542	114147.00			
BM3543	114148.00			
BM3546	114146.00			
BM3546T	G121679.00			
BM3554	116767.00			
BM3554T	G120329.00			
BM3556T	G121050.00			
BM3558T	G120330.00			
BM3569	114151.00			
BM3611T	G131613.00			
BM3614T	G131620.00			
BM3615T	G131614.00			
BM3704T	G140601.00			
BM3710T	G140603.00			
BM3714T	G140636.00			
BM3730T	G140603.00			
CBM3546T	G121557.00			
CBM3554T	G121051.00			
CBM3558T	G121052.00			
CBM3611T	G131617.00			
CBM3615T	G131618.00			
CBM3710T	G140605.00			
CBM3714T	G140639.00			
CDP3410-V12	108045.00	F02		
CDP3420-V12	108046.00	F02		
CDP3420-V24	108050.00	F02		
CDP3430-V12	108047.00			
CDP3430-V24	108051.00	F02		
CDP3436	108019.00	F02		
CDP3440-V12	108048.00	F02		
CDP3440-V24	108052.00	F02		
CDP3443	108016.00	F02		
CDP3445	108022.00	F02		
CDP3445-V12	108322.00	F02		

Cross Reference Exception Codes

LEESON Product Construction Exceptions

C10 LEESON motor is capacitor start/induction run design
C15 LEESON motor is premium efficiency design
C47 LEESON motor is 208-230/460V
C55 LEESON motor has a solid-state switch

LEESON Product Frame Size Exceptions

F02 LEESON frame size is S56
F29 LEESON frame size is 56HC

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
CDP3445-V24	108053.00	F02		
CDP3450	108020.00	F02		
CDP3455	108023.00	F02		
CDP3455	128023.00			
CDP3460	108021.00	F02		
CDP3575	108092.00	F02		
CDP3575	128000.00			
CDP3580	108265.00	F02		
CDP3585	128010.00			
CDP3604	108502.00			
CDPSWD3410	109065.00			
CDPSWD3426	109070.00			
CDPSWD3430	109069.00			
CDPSWD3545	109075.00			
CDPSWD3555	109076.00			
CDPWD3310	108423.00	F02		
CDPWD3320	108424.00	F02		
CDPWD3326	108227.00	F02		
CDPWD3330	108226.00	F02		
CDPWD3440	108228.00			
CDPWD3445	108230.00	F02		
CDPWD3455	108231.00	F02		
CDPWD3575	108232.00	F02		
CDPX3420	118015.00	F02		
CDPX3426	118017.00	F02		
CDPX3430	118016.00	F02		
CDPX3436	118019.00	F02		
CDPX3440	118018.00	F02		
CECP83769T4	811550.00			
CEM2333T	171587.60			LM16762
CEM2333T	199060.00			
CEM2334T	171589.60			LM62032
CEM2334T	199062.00			
CEM2394T	171586.60			LM16761
CEM2394T	199059.00			
CEM2513T	199743.00			
CEM2514T	199744.00			
CEM2515T	199745.00			
CEM2516T	199746.00			
CEM2531T	199747.00			
CEM2535T	199749.00			
CEM2539T	199751.00			
CEM2547T	199755.00			
CEM2551T	199816.00			
CEM2555T	199759.00			
CEM3116T	121935.00			LM32762
CEM3154T	121675.00			
CEM3157T	121676.00			LM32768
CEM3158T	121928.00			
CEM3211T	132081.00			LM32771
CEM3211T	199735.00			
CEM3212T	132242.00			LM32773
CEM3212T	199736.00			
CEM3218T	132082.00			LM32774
CEM3218T	199737.00			
CEM3219T	132244.00			LM32776
CEM3219T	199738.00			
CEM3311T	140767.00			LM32666
CEM3311T	199739.00			
CEM3312T	141111.00			LM32778
CEM3312T	199740.00			
CEM3313T	140768.00			LM32649
CEM3313T	199741.00			
CEM3314T	141119.00			
CEM3314T	199742.00			
CEM3543T	199753.00			
CEM3546	116745.00			
CEM3546T	121179.00			LM32822
CEM3550T	121672.00			LM32824
CEM3554	116746.00			

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
CEM3554T	121180.00			LM32825
CEM3555T	121673.00			LM32828
CEM3558	116747.00			
CEM3558T	121181.00			LM32829
CEM3559T	121929.00			
CEM3610T	132079.00			LM16741
CEM3611T	131504.00			LM16742
CEM3613T	132080.00			LM16745
CEM3615T	131502.00			LM16747
CEM3660T	171564.60			LM16741
CEM3660T	199051.00			
CEM3661T	171565.60			LM16742
CEM3661T	199052.00			
CEM3663T	171446.60			LM16745
CEM3663T	199053.00			
CEM3664T	132243.00			LM32830
CEM36665T	171566.60			LM62020
CEM36665T	199054.00			
CEM3704T	140834.00			LM32833
CEM3709T	140770.00			LM16750
CEM3710T	140521.00			LM32838
CEM3714T	140522.00			LM32841
CEM3768T	171116.60			LM32835
CEM3769T	170166.60			LM16750
CEM3769T	199055.00			
CEM3770T	170165.60			
CEM3770T	199056.00			
CEM37711T	170168.60			LM62025
CEM37711T	199057.00			
CEM4103T	171591.60			LM62035
CEM4103T	199064.00			
CEM4104T	171592.60			LM16744
CEM4104T	199066.00			
CEM4106T	171588.60			LM62031
CEM4106T	199061.00			
CEM4107T	171590.60			LM32659
CEM4107T	199063.00			
CEM4108T	170108.60			LM16773
CEM4108T	199065.00			
CEM4109T	170110.60			LM13725
CEM4109T	199067.00			
CEM4110T	171593.60			LM62041
CEM4110T	199068.00			
CEM4114T	170112.60			LM13727
CEM4114T	199069.00			
CEM4115T	171594.60			LM62044
CEM4115T	199070.00			
CEM4198T	171591.60			LM62035
CEM4310T	170114.60			LM15562
CEM4310T	199071.00			
CEM4313T	171115.60			LM15566
CEM4313T	199073.00			
CEM4314T	171595.60			LM62047
CEM4314T	199072.00			
CEM4316T	171596.60			LM15567
CEM4316T	199074.00			
CEM4400T	171597.60			LM15263
CEM4400T	199076.00			
CEM7053T	825076.00			
CEM7054T	825077.00			
CEM7058T	825081.00			
CEM7059T	825078.00			
CEM7060T	825082.00			
CEM7062T	825083.00			
CEM7063T	825080.00			
CEM7064T	825084.00			
CEM7170T	825075.00			
CEM7174T	825074.00			
CESSWDM3550T	121874.00	F02		
CESSWDM3554T	121873.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
CESSWDM3558T	121877.00			
CESSWDM3559T	121878.00			
CESSWDM3613T	132207.00			
CESSWDM3615T	132208.00			
CESSWDM3709T	140825.00			
CESSWDM3710T	140826.00			
CESSWDM3711T	140827.00			
CESSWDM3714T	140828.00			
CESWDM35554T	121912.00			
CESWDM3558T	121913.00			
CEWDBM3615T	G121618.00			
CEWDM3546T	121867.00			
CEWDM3558T	121868.00			
CEWDM3559T	121870.00			
CEWDM3611T	132198.00			
CEWDM3613T	132200.00			
CEWDM3615T	132201.00			
CEWDM3709T	141120.00			
CEWDM3710T	140822.00			
CEWDM3711T	140823.00			
CEWDM3714T	140821.00			
CFDL3501M	116485.00			
CFDL3504M	116486.00			
CFDL3507M	116487.00			
CFDL3516TM	121625.00			
CFM3156A	111147.00			
CFM3166A	111148.00			
CHC144A	100803.00			LM2447
CHC164A	100824.00			LM24442
CHC244A	100804.00			LM24448
CHC264A	100825.00			LM24443
CHC3413A	100803.00			LM2447
CHC3414A	100824.00			LM24442
CHC3416A	100804.00			LM24448
CHC3417A	100825.00			LM24443
CHC345A	111323.00			
CHC3524A	101645.00			LM24444
CHC3524A	111323.00			
CHC3525A	111321.00			
CHC3526A	111919.00			
CHC3528A	111322.00			
CHC364A	101645.00			LM24444
CHC365A	111321.00			
CHC445A	111324.00			
CHC465A	111266.00			
CHC545A	111267.00			
CJL3504A	113637.00			
CJL3507A	113638.00			
CJM3107	102199.00			
CJM3111	101776.00			
CJM3115	101775.00			
CJM3120	114203.00			
CJM3155	114202.00			
CJM3158	114201.00			
CJM3542	113028.00			
CL1301	103023.00			
CL1303	103024.00			
CL1304	101651.00			LM24697
CL1307	101650.00			LM24699
CL1310	113930.00			LM24700
CL1408TM	131629.00			
CL1408TM	131853.00			
CL1410TM	131630.00			
CL1430TM	131630.00			
CL3403	102916.00	F02		LM24723
CL3405	102929.00	F02		LM24724
CL3501	102930.00	F02		LM24600
CL3503	102903.00			LM24725
CL3504	102907.00			LM24628
CL3506	112135.00			LM24726

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Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
CL3507	110905.00			LM24615
CL3509	110180.00			LM24727
CL3510	110908.00			LM24616
CL3513	110909.00			LM24539
CL3514	110910.00			LM24728
CL3515	113931.00			LM24729
CL3515T	121008.00			LM24730
CL3612TM	131633.00			
Cl3619TM	131631.00			
CL3711T	140695.00			
CL5001A	116606.00			
CM2333T	G150102.60			
CM2334T	G150080.60			
CM3104	100599.00	F02		LM24277
CM3107	100600.00	F02		LM24879
CM3108	100601.00	F02		LM24880
CM3112	100602.00			LM24267
CM3116T	G121650.00			
CM3154T	121674.00			
CM3154T	G121651.00			
CM3155	114218.00			
CM3157T	G120275.00			
CM3211T	G130325.00			
CM3212T	G131249.00			
CM3218T	G130327.00			
CM3219T	G131250.00			
CM3311T	G140589.00			
CM3312T	G140692.00			
CM3313T	G140146.00			
CM3314T	G140693.00			
CM3534	102922.00			LM24114
CM3537	114142.00			LM24129
CM3538	102917.00			LM24074
CM3539	110914.00			LM24104
CM3541	110915.00			LM24134
CM3542	110916.00			LM24076
CM3543	116340.00			LM24140
CM3545	110181.00			LM24126
CM3546	110912.00			LM24079
CM3546T	121936.00			
CM3550	110917.00			LM24135
CM3550T	G121290.00			
CM3554	110918.00			LM24095
CM3554T	G121287.00			
CM3555	113927.00			LM24121
CM3555T	G121510.00			
CM3556T	G120428.00			
CM3557	114198.00			
CM3558T	G120276.00			
CM3559T	G120991.00			
CM3607T	116592.00			
CM3610T	G131899.00			
CM3611T	G130326.00			
CM3614T	G131497.00			
CM3615T	G130328.00			
CM3616T	G130990.00			
CM3660T	G151564.60			
CM3661T	G151565.60			
CM3663T	G151446.60			
CM3665T	G151566.60			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
CM3704T	G140602.00			
CM3708T	G140482.00			
CM3709T	G131774.00			
CM3710T	G140183.00			
CM3711T	G140696.00			
CM3714T	G140147.00			
CM3769T	G150166.60			
CM3770T	G150165.60			
CM3771T	G150168.60			
CM3773T	G140697.00			
CM3774T	170167.60	C15		LM62026
CM3774T	199058.00			
CM3774T	G150167.60			LM62026
CM4103T	G150081.60			
CM4104T	G150082.60			
CM4106T	G150079.60			
CM4107T	G150106.60			
CM4108T	G150108.60			
CM4109T	G150110.60			
CM4110T	G150083.60			
CM4114T	G150112.60			
CM4115T	G150084.60			
CM4310T	G150114.60			
CM4313T	G150115.60			
CM4314T	G150085.60			
CM4316T	G150086.60			
CM4400T	G151680.60			
CM7006A	114628.00			
CM7009A	114629.00			
CM7010A	114630.00			
CM7013	114631.00			
CM7014T	G121541.00			
CM7037T	G121182.00			
CM7053T	G850591.00			
CM7054T	G850621.00			
CM7056T	G850622.00			
CM7058T	G850623.00			
CM7059T	G850592.00			
CM7060T	G850624.00			
CM7062T	G850625.00			
CM7063T	G850593.00			
CM7064T	G850626.00			
CM7170T	G850620.00			
CM7174T	G850590.00			
CNM3538	102919.00	F02		
CP4400T-4	LM32896			
CP4402T	LM14644			
CP4406T-4	LM32902			
CP4407T-4	LM32905			
CP4408T-4	LM14643			
CP4410T-4	LM32899			
CP44256T-4	LM15723			
CP44304T	LM14642			
CP44354T-4	LM14645			
CSSEWDM3537	117118.00			
CSSEWDM3538	117119.00			
CSSEWDM3541	117120.00			
CSSEWDM3542	117121.00			
CSSEWDM3544	117296.00			
CSSEWDM3545	117122.00			
CSSEWDM3546	117123.00			
CSSEWDM3550T	121879.00			
CSSEWDM3550T	121908.00			
CSSEWDM3554T	121880.00			
CSSEWDM3554T	121909.00			
CSSEWDM3555T	121881.00			
CSSEWDM3555T	121910.00			
CSSEWDM3558T	117299.00			
CSSEWDM3558T	121882.00			
CSSEWDM3558T	121911.00			

Cross Reference Exception Codes

LEESON Product Construction Exceptions

C10 LEESON motor is capacitor start/induction run design
C15 LEESON motor is premium efficiency design
C47 LEESON motor is 208-230/460V
C55 LEESON motor has a solid-state switch

LEESON Product Frame Size Exceptions

F02 LEESON frame size is S56
F29 LEESON frame size is 56HC

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
CSSSWDM3537	117118.00			
CSSSWDM3538	117119.00			
CSSSWDM3541	117120.00			
CSSSWDM3542	117121.00			
CSSSWDM3544	117296.00			
CSSSWDM3545	117122.00			
CSSSWDM3546	117123.00			
CSSSWDM3550T	121879.00			
CSSSWDM3550T	G121748.00			
CSSSWDM3554T	121880.00			
CSSSWDM3554T	G121749.00			
CSSSWDM3555T	121881.00			
CSSSWDM3555T	G121739.00			
CSSSWDM3558T	117299.00			
CSSSWDM3558T	121882.00			
CSSSWDM3558T	G121740.00			
CSSWDM3538	103387.00	F02		
CSSWDM3538	103411.00	F02		
CSSWDM3542	103388.00	F02		
CSSWDM3542	103412.00	F02		
CSSWDM3555T	G121812.00			
CSSWDM3559T	G121528.00			
CSSWDM3611T	G131900.00			
CSSWDM3613T	G131901.00			
CSSWDM3615T	G131902.00			
CSSWDM3709T	G140698.00			
CSSWDM3710T	G140675.00			
CSSWDM3711T	G140699.00			
CSSWDM3714T	G140676.00			
CSSWDN3554T	121875.00			
CSWDM3537	114560.00			
CSWDM3538	191204.00			
CSWDM3542	114561.00			
CSWDM3542	191207.00			
CSWDM3546	114562.00			
CSWDM3546	191291.00			
CSWDM3546T	121165.00			
CSWDM3558T	G191224.00			
CWDL3504	112527.00	C55		
CWDL3507	112528.00	C55		
CWDL3509	113583.00	C55		
CWDL3510	112529.00	C55		
CWDL3513	113584.00	C55		
CWDL3514	113300.00	C55	F29	
CWDM3537	113588.00			
CWDM3538	113586.00			
CWDM3539	115743.00			
CWDM3541	113589.00			
CWDM3542	113587.00			
CWDM3545	113590.00			
CWDM3554T	121871.00			
CWDM3558	112644.00			
CWDM3558T	121868.00			
CWDM3558T	G120588.00			
CWDM3559T	G120911.00			
CWDM3611T	G130664.00			
CWDM3613T	G131167.00			
CWDM3615T	G131171.00			
CWDM3616T	132199.00			
CWDM3616T	G132016.00			
CWDM3709T	G131165.00			
CWDM3710T	G140466.00			
CWDM3711T	G140700.00			
CWDM3713T	G140701.00			
CWDM3714T	G140464.00			
CWSSWDM3610T	132206.00			
DGC1301M	191742.00			
DGC1304M	100802.00			
DGC1307M	113642.00			
ECP2276T	171636.60			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
ECP2276T	LM16656			
ECP2276T-4	199011.00			
ECP2294T	171620.60			
ECP2332T	171637.60			
ECP2332T-4	199014.00			
ECP2333T	171632.60			
ECP2333T	LM32873			
ECP2333T-4	199016.00			
ECP2334T	171633.60			
ECP2334T	LM32876			
ECP2334T-4	199019.00			
ECP2394T-4	199015.00			
ECP3581T	LM32856			
ECP3582T	LM32587			
ECP3661T	171623.60			
ECP3661T	LM16644			
ECP3661T-4	199004.00			
ECP3663T	LM32864			
ECP3664T	171634.60			
ECP3665T	171630.60			
ECP3665T	LM16650			
ECP3665T4	171630.60			
ECP3764T	171634.60			
ECP3764T-4	199005.00			
ECP3768T	171635.60			
ECP3768T	LM32867			
ECP3768T-4	199008.00			
ECP3769T	171616.60			
ECP3769T-4	199009.00			
ECP3770T	171622.60			
ECP3770T	LM32869			
ECP3770T-4	199010.00			
ECP3771T	171617.60			
ECP3771T-4	199012.00			
ECP3774T	171631.60			
ECP3774T	LM16919			
ECP3774T-4	199013.00			
ECP4100T	171638.60			
ECP4100T	LM32874			
ECP4100T-4	199017.00			
ECP4102T	171639.60			
ECP4102T	LM32877			
ECP4102T-4	199020.00			
ECP4103T	171779.60			
ECP4103T	LM32879			
ECP4103T-4	199022.00			
ECP4104T	171782.60			
ECP4104T	LM32882			
ECP4104T-4	199025.00			
ECP4106T	171621.60			
ECP4106T-4	199018.00			
ECP4107T-4	199021.00			
ECP4108T	171781.60			
ECP4108T-4	199024.00			
ECP4109T	171784.60			
ECP4109T-4	199027.00			
ECP4110T	171785.60			
ECP4110T-4	199028.00			
ECP4111T	171780.60			
ECP4111T-4	199023.00			
ECP4114T	LM32685			
ECP4114T-4	199030.00			
ECP4115T	171788.60			
ECP4115T	LM32887			
ECP4115T-4	199031.00			
ECP4117T	171783.60			
ECP4117T-4	199026.00			
ECP4308T	171786.60			
ECP4308T-4	199029.00			
ECP4310T	171790.60			

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Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
ECP4310T-4	199033.00			
ECP4312T	171789.60			
ECP4312T	LM32888			
ECP4312T-4	199032.00			
ECP4313T	171793.60			
ECP4313T-4	199036.00			
ECP4314T	171791.60			
ECP4314T-4	199034.00			
ECP4316T	171794.60			
ECP4316T	LM32893			
ECP4316T-4	199037.00			
ECP4400T-4	199040.00			
ECP4402T	171796.60			
ECP4402T	LM32895			
ECP4402T-4	199039.00			
ECP4403T	171792.60			
ECP4403T-4	199035.00			
ECP4404T	171795.60			
ECP4404T-4	199038.00			
ECP4406T-4	171803.60			LM13707
ECP4406T-4	199046.00			
ECP4407T-4	171806.60			LM16230
ECP4407T-4	199049.00			
ECP4409T-4	171798.60			LM13702
ECP4409T-4	199041.00			
ECP4410T-4	171800.60			LM60065
ECP4410T-4	199043.00			
ECP4411T-4	171801.60			LM13705
ECP4411T-4	199044.00			
ECP4412T-4	171799.60			
ECP4413T-4	171802.60			
ECP44156T-4	171804.60			LM16231
ECP4416T-4	171805.60			
ECP44206T-4	171807.60			LM60072
ECP44206T-4	199050.00			
ECP64314T-4	811567.00			
ECP82333T-4	811555.00			
ECP82334T-4	811557.00			
ECP82394T-4	811554.00			
ECP83581T-4	811541.00			
ECP83583t-4	811542.00			
ECP83584T-4	811543.00			
ECP83586T-4	811544.00			
ECP83587T-4	811545.00			
ECP83660T	811546.00			
ECP83661T	811547.00			
ECP83663T	811548.00			
ECP83665T-4	811549.00			
ECP83769T-4	811550.00			
ECP83770T-4	811551.00			
ECP83774T-4	811553.00			
ECP8377IT-4	811552.00			
ECP84103T-4	811559.00			
ECP84104T-4	811561.00			
ECP84106T-4	811556.00			
ECP84107T-4	811558.00			
ECP84108T-4	811560.00			
ECP84109T-4	811562.00			
ECP84110T-4	811563.00			
ECP84114-T	811564.00			
ECP84115T-4	811564.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
ECP84310T-4	811566.00			
ECP84313T-4	811568.00			
ECP84400T-4	811571.00			
ECP84402T-4	811570.00			
ECP94316T-4	811569.00			
EFM2513T	199699.00			
EFM2515T	199702.00			
EFM2531T	199705.00			
EFM2535T	199708.00			
EFM2539T	199711.00			
EFM2543T	199714.00			
EFM2547T	199717.00			
EFM3211T	G131240.00			LM60026
EFM3218T	199007.00			
EFM3218T	G131239.00			LM24195
EFM3311T	199693.00			
EFM3311T	G140609.00			
EFM3313T	199696.00			
EJMM2333T	199976.00			
EJMM2334T	199978.00			
EJMM2394T	199975.00			
EJMM2513T	199964.00			
EJMM2514T	199965.00			
EJMM2534T	199969.00			
EJMM2535T	199970.00			
EJMM2538T	199971.00			
EJMM2539T	199972.00			
EJMM2542T	199973.00			
EJMM2543T	199974.00			
EJMM3116T	122115.00			
EJMM3211T	199589.00			
EJMM3212T	199763.00			
EJMM3218T	199590.00			
EJMM3219T	199765.00			
EJMM3311T	199775.00			
EJMM3312T	199090.00			
EJMM3313T	199777.00			
EJMM3314T	199091.00			
EJMM3546T	122083.00			
EJMM3550T	122085.00			
EJMM3554T	122087.00			
EJMM3555T	122089.00			
EJMM3558T	122091.00			
EJMM3559T	199766.00			
EJMM3611T	199767.00			
EJMM3613T	199768.00			
EJMM3615T	199769.00			
EJMM3616T	199769.00			
EJMM3616T	199779.00			
EJMM3709T	199780.00			
EJMM3711T	199781.00			
EJMM3714T	199782.00			
EJMM4103T	199980.00			
EJMM4104T	199982.00			
EJMM4106T	199977.00			
EJMM4107T	199979.00			
EJMM4108T	199981.00			
EJMM4109T	199983.00			
EJMM4110T	199984.00			
EJMM4114T	199985.00			
EJMM4115T	194127.00			
EJMM4115T	199986.00			
EJPM2334T	194119.00			
EJPM2394T	199998.00			
EJPM2513T	199987.00			
EJPM2514T	199988.00			
EJPM2515T	199989.00			
EJPM2516T	199990.00			
EJPM2531T	199991.00			
EJPM2534T	199992.00			

Cross Reference Exception Codes

LEESON Product Construction Exceptions

C10 LEESON motor is capacitor start/induction run design
C15 LEESON motor is premium efficiency design
C47 LEESON motor is 208-230/460V
C55 LEESON motor has a solid-state switch

LEESON Product Frame Size Exceptions

F02 LEESON frame size is S56
F29 LEESON frame size is 56HC

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
EJPM2535T	199993.00			
EJPM2538T	199994.00			
EJPM2539T	199995.00			
EJPM2542T	199996.00			
EJPM2543T	199997.00			
EJPM3312T	199784.00			
EJPM3313T	199785.00			
EJPM3314T	199786.00			
EJPM3714T	199789.00			
EJPM4103T	194121.00			
EJPM4104T	194123.00			
EJPM4106T	194118.00			
EJPM4107T	194120.00			
EJPM4108T	194122.00			
EJPM4109T	194124.00			
EJPM4110T	194125.00			
EJPM4114T	194126.00			
EL1307	101544.00	F02		LM24504
EL1310	113630.00			
EL1408T	131851.00			LM24680
EM2276T	170122.60			LM15892
EM2332T	170123.60			LM15675
EM2333T	170066.60			LM24208
EM2334T	170007.60			LM24207
EM2394T	170062.60			LM15890
EM2506T	199694.00			
EM2511T	199697.00			
EM2514T	199701.00			
EM2516T	199704.00			
EM2524T	199700.00			
EM2528T	199703.00			
EM2532T	199706.00			
EM2534T	199707.00			
EM2536T	199709.00			
EM2538T	199710.00			
EM2540T	170147.60			LM13924
EM2540T	199712.00			
EM2542T	199713.00			
EM2544T	170148.60			LM13927
EM2544T	199715.00			
EM2546T	199716.00			
EM2548T	199718.00			
EM2549T	199719.00			
EM2550T	199722.00			
EM2551T	199720.00			
EM2552T	199721.00			
EM2554T-4	199725.00			
EM2555T	199723.00			
EM2556T-4	199728.00			
EM2557T-4	170155.60	C47		LM13946
EM2557T-4	170259.60			LM13946
EM2557T-4	199727.00			
EM2558T-4	171522.60			LM13817
EM2558T-4	199729.00			
EM2560T-4	171576.60			LM13818
EM2560T-4	199730.00			
EM2562T-4	171573.60			LM13819
EM2562T-4	199731.00			
EM2563T-4	171523.60			LM13820
EM2563T-4	199732.00			
EM2564T-4	171577.60			LM16239
EM2564T-4	199733.00			
EM2583T-4	170255.60			LM13815
EM2583T-4	199724.00			
EM3115	116128.00			
EM3116T	121003.00			LM24871
EM3120T	121514.00			LM32727
EM3154T	121004.00			LM24875
EM3155T	121515.00			LM33137
EM3156T	121517.00			LM24872

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
EM3157T	121005.00			LM24169
EM3158T	121516.00			LM32731
EM3207T	131971.00			
EM3207T	199685.00			
EM3211T	131519.00			LM24222
EM3211T	199687.00			
EM3212T	199689.00			
EM3215T	131972.00			
EM3218T	131520.00			LM24202
EM3218T	199690.00			
EM3219T	131988.00			LM32737
EM3219T	199692.00			
EM32IIT-8	LM33056			
EM3305T	199688.00			
EM3309T	199691.00			
EM3311T	140470.00			LM24194
EM3312T	140753.00			LM32740
EM3313T	140472.00			LM24193
EM3314T	140754.00			LM32743
EM3314T	199698.00			
EM3545	116129.00			
EM3546	116757.00			
EM3546T	120921.00			LM32796
EM3546T-5	120122.00			
EM3546T-5	121937.00			
EM3550	116758.00			
EM3550T	121518.00			LM33122
EM3550T-5	121939.00			LM25102
EM3554	116759.00			
EM3554T	120922.00			LM33123
EM3554T-5	121940.00			LM24142
EM3555	116760.00			
EM3555T	121519.00			LM33124
EM3555T-5	121941.00			LM25103
EM3556T	121520.00			LM33121
EM3556T-5	121938.00			
EM3558T	120923.00			LM33125
EM3581T	171640.60			LM32796
EM3582T	171643.60			LM33121
EM3583T	171642.60			
EM3584T	171646.60			LM33123
EM3586T	171648.60			LM33124
EM3587T	171647.60			LM33125
EM3607T-5	132251.00			LM17059
EM3610T	131985.00			LM15646
EM3610T	199003.00			
EM3611T	131463.00			LM32741
EM3611T-5	132253.00			LM16384
EM3613T	131987.00			LM15649
EM3613T	199006.00			
EM3613T-5	132254.00			LM16386
EM3614T	131981.00			
EM3614T	199002.00			
EM3614T-5	132252.00			LM17062
EM3615T	131464.00			LM15650
EM3615T-5	132255.00			LM17067
EM3661T	171320.60			LM60026
EM3665T	171322.60			LM24195
EM3667T	199001.00			
EM3709T	140756.00			LM32804
EM3710T	140450.00			LM16029
EM3710T-5	141116.00			LM16391
EM3711T	140755.00			LM32808
EM3714T	140451.00			LM32809
EM3714T-5	170212.60			
EM3764T	171378.60			LM60027
EM3768T	171379.60			LM15883
EM3769T	170158.60			LM15878
EM3770T	170157.60			LM24209
EM3771T	170159.60			LM15861

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Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
EM3774T	170140.60			LM60036
EM4100T	170068.60			LM15793
EM4102T	170001.60			LM15796
EM4103T	170011.60			LM15792
EM4104T	170015.60			LM13964
EM4106T	170033.60			LM15673
EM4107T	170035.60			LM13960
EM4108T	170037.60			LM60046
EM4109T	170039.60			LM19749
EM4110T	170019.60			LM13699
EM4111T	170003.60			LM13696
EM4114T	170041.60			LM60052
EM4115T	170023.60			LM19753
EM4117T	170005.60			LM60048
EM4308T	170096.60			LM13918
EM4310T	170043.60			LM14808
EM4312T	170097.60			LM19754
EM4313T	170045.60			LM14810
EM4314T	170027.60			LM14809
EM4316T	170031.60			LM14811
EM4400T	170087.60			LM19762
EM4402T-4	170160.60			LM13939
EM4403T	170098.60			LM13938
EM4404T	170099.60			LM60060
EM4406T-4	170371.60			LM13707
EM4407TR-4	170352.60			LM16230
EM4409T-4	170256.60			LM13702
EM4410T-4	170369.60			LM60065
EM4411T-4	170260.60			LM13705
EM4412T-4	171580.60			LM60064
EM4412T-4	199042.00			
EM4413T-4	171578.60			LM13706
EM4413T-4	199045.00			
EM44156T-4	171315.60			LM16231
EM4416T-4	171579.60	C15		LM16229
EM4416T-4	199048.00			
EM44206T	171316.60			LM60072
EM7037T	121917.00			
EM7053T	825092.00			
EM7054T	825093.00			
EM7056T	825095.00			
EM7058T	825097.00			
EM7059T	825094.00			
EM7060T	825099.00			
EM7062T	825101.00			
EM7063T	825096.00			
EM7064T	825103.00			
EM7066T	825105.00			
EM7067T	825100.00			
EM7068T	825107.00			
EM7075T	121918.00			
EM7081T	825102.00			
EM7083T	825098.00			
EM7142T	825085.00			
EM7144T	825087.00			
EM7145T	825088.00			
EM7147T	825089.00			
EM7170T	825091.00			
EM7172T	825086.00			
EM7174T	825090.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
EM74154T	825113.00			
EM74204T	825115.00			
EMM2333	193316.60			
EMM2334	193319.60			
EMM3559	192209.00			
EMM3611	193301.60			
EMM3613	193306.60			
EMM3615	193307.60			
EMM3709	193309.60			
EMM3710	193310.60			
EMM3711	193312.60			
EMM3714	193313.60			
EMM4103	193322.60			
EMM4104	193325.60			
EMM4110	193328.60			
EMM5700	192208.00			
EMM5700-5	192231.00			
EMM5750	192205.00			
EMM5750-5	192232.00			
EWDM3558T	121866.00			
EWDM3611T	132196.00			
EWDM3615T	132197.00			
EWDM3710T	140819.00			
EWDM3714T	140820.00			
FDL3501M	113256.00			LM24789
FDL3501M	M002256.00			LM24789
FDL3504M	110086.00			LM24790
FDL3504M	M009086.00			LM24790
FDL3507M	110087.00			LM24791
FDL3507M	M009087.00			LM24791
FDL3510TM	121569.00			LM24793
FDL3510TM	M009088.00			LM24793
FDL3510TM	M009089.00			LM24793
FDL3514TM	M009089.00			LM24793
FDL3516TM	110090.00			
FDL3610TM	131542.00			LM24801
FDL3611TM	131541.00			LM24796
FDL3612TM	131543.00			LM24798
FDL3619TM	131542.00			LM24801
FDL3712TM	140414.00			LM24805
FDL3731M	140203.00			LM24798
FDL3733TM	140130.00			
FDL3733TM	140707.00			LM24799
FDL3737TM	140414.00			LM24805
FDL3737TM	140706.00			
FM3211T	G131240.00			LM60026
FM3218T	G131239.00			LM24195
FM3311T	G140609.00			
FM3611T	G131237.00			
FM3615T	G131236.00			
FM3710T	G140604.00			
GDM2333T	171841.60			
GDM2334T	171842.60			
GDM3611T	171845.60			
GDM3615T	171846.60			
GDM3710T	171847.60			
GDM3714T	171848.60			
GDM4103T	171843.60			
GDM4104T	171844.60			
GLP3330	096049.00			
GLP3332	096050.00			
GLP3336	096051.00			
GMP3330	096013.00			
GMP3332	096014.00			
GMP3336	096015.00			
GMP3338	096016.00			
GPP12503	M1125004.00			
GPP12545	M1125072.00			
GPP12547	M1125070.00			
GPP231108	M1115001.00			

Cross Reference Exception Codes

LEESON Product Construction Exceptions

C10 LEESON motor is capacitor start/induction run design
C15 LEESON motor is premium efficiency design
C47 LEESON motor is 208-230/460V
C55 LEESON motor has a solid-state switch

LEESON Product Frame Size Exceptions

F02 LEESON frame size is S56
F29 LEESON frame size is 56HC

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
GPP231109	M1115002.00			
GPP232110	M1115000.00			
GPP233111	M1115028.00			
GPP233112	M1115027.00			
GPP233120	M1125048.00			
GPP233121	M1125036.00			
GPP7451	M1135116.00			
GPP7452	M1135112.00			
GPP7453	M1135111.00			
GPP7454	M1135114.00			
GPP7455	M1135110.00			
GPP7456	M1135108.00			
GPP7457	M1135117.00			
GPP7458	M1135107.00			
GPP7459	M1135106.00			
GPP7460	M1135109.00			
GPP7461	M1135115.00			
GPP7470	M1135150.00			
GPP7471	M1135149.00			
GPP7472	M1135148.00			
GPP7473	M1135147.00			
GPP7474	M1135146.00			
GPP7475	M1135145.00			
GPP7476	M1135143.00			
GPP7477	M1135141.00			
GPP7478	M1135140.00			
GPP7479	M1135139.00			
GSL3509M	111330.00			
HM3112	100030.00			LM24099
HM3116	115827.00			
HM3154	115825.00			
HM3157	115826.00			
HM3218TA	G130565.00			
IDGMP2500	096070.00			
IDGMP2501	096069.00			
IDGMP2503	096068.00			
IDGMP2505	096067.00			
IDM4102T	810001.00			
IDM4103T	810011.00			
IDM4104T	810015.00			
IDM4110T	810019.00			
IDM4115T	810023.00			
IDM4117T	810005.00			
IDM4312T	810097.00			
IDM4314T	810027.00			
IDM4316T	810031.00			
IDM4400T-4	810087.00			
IDM4404T	810099.00			
IDM4406T-4	811371.00			LM03564
IDM4407T-4	810503.00			LM3596
IDM4409T-4	811367.00			
IDM4410T-4	811369.00			LM03516
IDNM2333T	810066.00			LM06135
IDNM3581T	810548.00			LM26359
IDNM3587T	810546.00			LM06113
IDNM3661T	811320.00			LM06119
IDNM3665T	811322.00			
IM3540A	111304.00			
IR3507M	114932.00			
JL1303A	100207.00			
JL1303A	101527.00			
JL1306A	100208.00			
JL1306A	101528.00			
JL1307A	100723.00			
JL1309A	100723.00			
JL1309A	101529.00			
JL1313A	110292.00			
JL1313A	113687.00			
JL1317A	110293.00			
JL1323A	110286.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
JL325A	100207.00			
JL3503A	113955.00			
JL3506A	113956.00			
JL3509A	113639.00			
JL3513A	113640.00			
JL3515A	113641.00			
JL425A	100208.00			
JL5003A	116188.00			
JL5006A	116186.00			
JL5009A	116185.00			
JL5030	116183.00			
JL5031	116181.00			
JL525A	100723.00			
JL625A	110292.00			
JL725A	110293.00			
JL825A	110286.00			
JM225	102197.00			
JM3006	102197.00			
JM3107	102198.00			
JM3111	101637.00			
JM3115	101638.00			
JM3120	113891.00			
JM3155	113892.00			
JM3158	113893.00			
JM3460	114931.00			
JM3463	114208.00			
JM3545	114207.00			
JM3550	114206.00			
JM3555	114205.00			
JM3559	114204.00			
JM625	113891.00			
JML1406T	131640.00			
JML1408T	131604.00			
JML1409T	131641.00			
JML1509T	140642.00			
JML1510T	140665.00			
JML1512T	140666.00			
JMM2333T	151568.60			
JMM2334T	151570.60			
JMM2394T	151567.60			
JMM2513T	G151361.60			
JMM3116T	121850.00			
JMM3154T	121851.00			
JMM3155T	121853.00			
JMM3157T	121852.00			
JMM3158T	121854.00			
JMM3211T	131562.00			
JMM3212T	131574.00			
JMM3218T	131563.00			
JMM3219T	131576.00			
JMM3311T	140618.00			
JMM3312T	131577.00			
JMM3313T	140619.00			
JMM3314T	151380.60			
JMM3546T	121855.00			
JMM3550T	121858.00			
JMM3554T	121856.00			
JMM3555T	121859.00			
JMM3558T	121857.00			
JMM3559T	121860.00			
JMM3611T	131579.00			
JMM3613T	131580.00			
JMM3615T	131581.00			
JMM3616T	131582.00			
JMM3709T	132027.00			
JMM3710T	140622.00			
JMM3711T	131583.00			
JMM3713T	140764.00			
JMM3714T	140623.00			
JMM4103T	151418.60			

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Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
JMM4104T	151422.60			
JMM4106T	151569.60			
JMM4107T	151417.60			
JMM4108T	151420.60			
JMM4109T	151424.60			
JMM4110T	151426.60			
JMWDM3550T	121580.00			
JMWDM3555T	121582.00			
JMWDM3555T	G121582.00			
JMWDM3558T	121583.00			
JMWDM3558T	G121583.00			
JMWDM3559T	121584.00			
JMWDM3599T	G121584.00			
JMWDM3611T	131967.00			
JMWDM3611T	G131967.00	C15		
JMWDM3613T	131968.00			
JMWDM3613T	G131968.00	C15		
JMWDM3615T	131969.00			
JMWDM3615T	G131969.00			
JMWDM3616T	G131970.00			
JMWDM3710T	140733.00			
JMWDM3710T	G140733.00			
JMWDM3711T	140734.00			
JMWDM3711T	G140734.00			
JMWDM3713T	G140736.00	C15		
JMWDM3714T	G140735.00			
JPL1409T	131881.00			
JPL1509T	140646.00			
JPM2333T	G151747.60			
JPM2334T	G151749.60			
JPM2513T	801051.00			
JPM2514T	801056.00			
JPM2515T	801052.00			
JPM2515T	G801056.00			
JPM2516T	801057.00			
JPM2531T	801053.00			
JPM3154T	121846.00			
JPM3157T	121847.00			
JPM3158T	121849.00			
JPM3158T	G121849.00			
JPM3211T	131882.00			
JPM3212T	131884.00			
JPM3218T	131883.00			
JPM3218T	G131883.00			
JPM3219T	131885.00			
JPM3311T	140667.00			
JPM3312T	140655.00			
JPM3313T	140668.00			
JPM3314T	140656.00			
JPM3558T	G151737.60			
JPM3610T	G151738.60			
JPM3611T	G151739.60			
JPM3613T	G151740.60			
JPM3615T	G151741.60			
JPM3709T	G151742.60			
JPM3710T	G151743.60			
JPM3711T	G151744.60			
JPM3713T	G151746.60			
JPM3714T	G151745.60			
JPM4103T	G151751.60			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
JPM4104T	G151753.60			
JPM4106T	G151748.60			
JPM4107T	G151750.60			
JPM4108T	G151752.60			
JPM4109T	G151754.60			
JPM4110T	G151755.60			
JPM4114T	G151756.60			
JSL1303A	MST1052.00			
JSL1306A	MST1072.00			
JSL1309A	MST1102.00			
JSL1313A	MST1152.00			
JSL1317A	MST1202.00			
JSL325A	MST1052.00			
JSL425A	MST1072.00			
JSL525A	MST1102.00			
JSL625A	MST1152.00			
JSL725A	MST1202.00			
K3403	102866.00	F02		
K3405	102870.00	F02		LM24736
KBL3406	114165.00			
KBL3409	111950.00			
KBM3458	114158.00			
KL3403	102866.00			
KL3405	102870.00			LM24736
KM3003	103014.00	F02		
KM3006	100375.00	F02		LM24909
KM3454	101767.00	F02		LM24964
KM3454-50	102184.00			
KNM3454	101648.00	F02		
KNM3534	102863.00	F02		
L1203M	101423.00	...		LM24458
L1205	100336.00	F02		LM24467
L1206M	100588.00	F02		LM24550
L1208	100184.00			LM24465
L1209	100338.00			
L1209M	100004.00	F02		LM24553
L1301	100006.00			LM24570
L1301M	100588.00			LM24550
L1302	110001.00			LM24540
L1303	100337.00	F02		
L1304	100007.00	F02		LM24551
L1304A	100002.00	F02		LM24552
L1304M	100004.00	F02		LM24553
L1306	100340.00			LM24674
L1306-50	113902.00			
L1307	100008.00	F02		LM24502
L1307-50	110396.00			
L1307A	100003.00	F02		LM24503
L1307M	100005.00	F02		
L1308	110003.00	F02		LM24543
L1309	110360.00			LM24525
L1309-50	113903.00			
L1310	110004.00			LM24580
L1313-50	113904.00			
L1313T	120107.00			LM24676
L1317-50	113905.00			
L1318-50	110397.00			
L1318T	120044.00			LM24675
L1319	110005.00			LM24583
L1319-50	110398.00			
L1319M	110006.00			LM24585
L1319T	120004.00			
L1319T	120042.00			LM24583
L1320T	120106.00			LM24806
L1321TM	120004.00			
L1322T	120067.00			LM24677
L1322TM	120879.00			LM24685
L1405T	131515.00			LM24678
L1405T-50	131553.00			
L1406T	131636.00			LM24679

Cross Reference Exception Codes

LEESON Product Construction Exceptions

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LEESON Product Frame Size Exceptions

F02 LEESON frame size is S56
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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
L1408T	131534.00			LM24680
L1408T-50	131554.00			
L1408TM	131561.00			
L1408TM	131851.00			LM24680
L1409T	131616.00			LM24681
L1410T	131537.00			LM24682
L1410TM	131622.00			
L1430T	131537.00			LM24682
L1430TM	131622.00			
L1508T-50	131555.00			
L1509T	140680.00			
L1510T	140155.00			LM24683
L1511T	140681.00			
L1512T	140311.00			LM24684
L206	100006.00			LM24570
L3351	092111.00			LM24208
L3353	092114.00			LM19754
L3355	092116.00			
L3356	092112.00			LM19754
L3400	102012.00			
L3401	102013.00			
L3403	102014.00			LM24606
L3403M	101446.00			
L3404	102015.00			
L3405	102016.00			LM24705
L3406	100955.00			
L3406M	102018.00			
L3407	102019.00			
L3408	102020.00			
L3409	100956.00			
L3500	114617.00			LM24545
L3501	102931.00			LM24597
L3501M	102933.00			LM24602
L3502	110009.00			LM24546
L3503	102905.00			LM24706
L3503-50	113917.00			
L3504	102906.00			LM24627
L3504-50	110064.00			
L3504A	102908.00			LM24603
L3504M	102909.00			LM24604
L3505	110011.00			LM24496
L3506	110276.00			LM24707
L3506-50	113918.00			
L3507	110013.00			LM24607
L3507-50	110065.00			
L3507A	110017.00			LM24608
L3507M	110022.00			
L3508	110400.00			LM24497
L3509-50	113919.00			
L3510T	120025.00			LM24709
L3510TM	120008.00			
L3513T	120130.00			LM24710
L3514	110253.00			LM24513
L3514A	110019.00			LM24514
L3514M	113333.00			LM24515
L3514T	120026.00			LM24711
L3514TM	120009.00			LM24746
L3515	110352.00			LM24534
L3515M	110402.00			LM24534
L3515T	120036.00			LM24712
L3516T	121507.00			
L3516TM	110090.00			
L3605T	131509.00			LM24713
L3605T-50	131556.00			
L3606T	131637.00			LM24715
L3608T	131549.00			LM24717
L3609T	131533.00	C10		LM24716
L3609T-50	131557.00			
L3613T	131526.00			
L3709T	140684.00			LM24719

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
L3710T	140120.00			LM24720
L3711T	140685.00			LM24721
L3712T	140581.00			LM24722
M1504T	120942.00			
M1506T	131473.00			
M1508T	140446.00			
M1554T	120944.00			
M1556T	120946.00			
M1558T	131469.00			
M1559T	140443.00			
M1704T	120943.00			
M1706T	131471.00			
M1707T	131470.00			
M1708T	140445.00			
M1756T	120940.00			
M1758T	131475.00			
M1760T	140448.00			
M2276T	G150122.60			
M2280T	151355.22			
M2280T	G151355.22			
M2332T	G150123.60			
M2333T	G150066.60			
M2333T-5	LM16400			
M2333T-50	170062.60			LM15890
M2333T-8	LM32691			
M2334T-12	G150007.60			
M2334T-5	LM15919			
M2394T	G150062.60			
M2395T	150261.22			
M2395T	G150261.22			
M2401T	151356.22			
M2401T	G151356.22			
M2402T	150282.22			
M2402T	G150282.22			
M2513T	G140579.00			
M2513T-5	LM24219			
M2513T-8	LM26334			
M2515T-5	LM24232			
M2515T-8	LM32675			
M2531T-5	LM29581			
M2531T-8	LM33067			
M2535T-5	LM29865			
M2535T-8	LM32670			
M2539T-5	LM14402			
M2539T-8	LM32680			
M2543T-5	LM14405			
M2543T-8	LM33070			
M2547T-5	LM18378			
M2551T-5	LM18384			
M2555T-5	LM18298			
M2557T-4	170259.60	C15		LM13946
M2560T-4	171576.60	C15		LM13818
M2562T-4	171573.60	C15		LM13819
M2563T-4	G151523.60			
M2564T-4	171577.60	C15		LM16239
M2566T-4	151524.60			
M2566T-4	G151524.60			
M2569T-4	151525.60			
M2569T-4	G151525.60			
M2583T	170255.60	C15		LM13815
M3003	100027.00	F02		LM24866
M3006	101447.00			LM24867
M3007	100446.00			
M3104	100028.00			LM24152
M3105	110425.00			LM24868
M3107	101448.00			LM24869
M3108	100029.00			LM24098
M3109	110027.00			LM24146
M3111	101449.00			LM24870
M3112	100030.00			LM24099

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Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
M3115	110426.00			LM24155
M3116	110029.00			LM24111
M3116T	G120010.00			
M3116T-5	LM24170			
M3116T-5	LM25066			
M3116T-8	LM33053			
M3120	110429.00			LM24874
M3120T	G120103.00			
M3153	110028.00			LM24162
M3154	110430.00			LM24117
M3154	111309.00			
M3154	115825.00			
M3154A	111309.00			
M3154T	G120011.00			
M3154T-8	LM33056			
M3155	113292.00			LM24877
M3155T	G120076.00			
M3156T	G120089.00			
M3157	111310.00			
M3157	113025.00			
M3157	115826.00			
M3157T	G120012.00			
M3157T-5	LM24124			
M3157T-8	LM33057			
M3158	113293.00			LM24878
M3158T	G120077.00			
M3207T	G130010.00			
M3211T	G130000.00			
M3211T/36	G130000.00			
M3211T-5	LM24227			
M3211T-50	131519.00			LM24222
M3211T-8	LM33059			
M3211TA	G131338.00			
M3212T	G130282.00			
M3215T	G130012.00			
M3218T	G130004.00			
M3218T-5	LM25070			
M3218T-8	131500.00			
M3218TA	G130565.00			
M3219T	G130284.00			
M3305T	G140550.00			
M3306T	G151809.22			
M3309T	G140122.00			
M3311T	G140471.00			
M3311T-5	LM24229			
M3311T-50	140470.00			LM24194
M3311T-8	131547.00			
M3312T	G140682.00			
M3313T	G140490.00			
M3313T-5	LM24231			
M3313T-8	140004.00			
M3314T	G140683.00			
M3454	101646.00			LM24929
M3457	102684.00			
M3457	102864.00			
M3458	101647.00			LM24930
M3460	100905.00			
M3461	100905.00			
M3463	100960.00			
M3534	101079.00			LM24107

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
M3535	110441.00			LM24931
M3537	110143.00			LM24869
M3538	100913.00			LM24073
M3538-50	102693.00			
M3539	110353.00			LM24105
M3541	110313.00			LM24133
M3541-5	110354.00			LM24110
M3541-50	114306.00			
M3542	110034.00			LM24075
M3542-5	110178.00			LM25095
M3543	121009.00			LM24136
M3543-5	111394.00			
M3543T	121009.00			LM24136
M3545	110145.00			LM24094
M3545-5	110715.00			LM25096
M3545-50	114308.00			
M3546	110035.00			LM24078
M3546-5	110206.00			LM25097
M3546T	G120014.00			
M3546T-5	LM24109			
M3546T-50	121096.00			
M3546T-8	120047.00			
M3550	110745.00			LM24144
M3550T	G120086.00			
M3550T-50	121097.00			
M3554	110444.00			LM24118
M3554T-50	121093.00			
M3554T-8	120032.00			
M3555T	G120088.00			
M3555T-50	121094.00			
M3556T	G120087.00			
M3557	114930.00			
M3558	113026.00			LM24097
M3558T	G120016.00			
M3558T-5	LM24108			
M3558T-50	121095.00			
M3558T-8	120034.00			
M3559T	G120185.00			
M3607T	G130015.00			
M3607T	G131479.00			
M3610T	G130099.00			
M3610T-50	131480.00			
M3611T	G130008.00			
M3611T/36	G130008.00			
M3611T-5	LM16384			
M3611T-50	131459.00			
M3611T-8	131465.00			
M3613T	G130101.00			
M3613T-50	131481.00			
M3614T	G130016.00			
M3615T	G130027.00			
M3615T-5	LM16387			
M3615T-50	131454.00			
M3615T-8	131466.00			
M3616T	G131082.00			
M3617T	131478.00			
M3617T	G131478.00			
M3618T	131479.00			
M3660T	G151563.60			
M3661T	G151320.60			
M3663T	G150299.60			
M3665T	G151322.60			
M3702T	140516.00			
M3702T	G140516.00			
M3705T	140518.00			
M3708T	G140126.00			
M3709T	G130103.00			
M3710T	G140578.00			
M3710T-5	140593.00			
M3710T-8	131467.00			

Cross Reference Exception Codes

LEESON Product Construction Exceptions

C10 LEESON motor is capacitor start/induction run design
C15 LEESON motor is premium efficiency design
C47 LEESON motor is 208-230/460V
C55 LEESON motor has a solid-state switch

LEESON Product Frame Size Exceptions

F02 LEESON frame size is S56
F29 LEESON frame size is 56HC

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
M3711T	G140686.00			
M3713T	G140687.00			
M3714T	G140489.00			
M3714T-5	LM16395			
M3714T-50	140451.00			LM32809
M3714T-8	140013.00			
M3750T	G151809.22			
M3769T	G150158.60			
M3770T	G150157.60			
M3771T	G150159.60			
M3774T	G150140.60			
M4100T	G150068.60			
M4102T	G150001.60			
M4103T-12	G150011.60			
M4103T-5	LM16407			
M4104T-12	G150015.60			
M4104T-5	LM19595			
M4104T-8	170015.60			LM13964
M4106T	G150033.60			
M4107T	G150035.60			
M4108T	G150037.60			
M4109T	G150039.60			
M4110T-12	G150019.60			
M4110T-5	LM14396			
M4111T	G150003.60			
M4112T	150263.22			
M4112T	G150263.22			
M4114T	G150041.60			
M4115T-12	G150023.60			
M4115T-5	LM14399			
M4116T	150265.22			
M4117T	G150005.60			
M4118T	G151318.60			
M4308T	G150096.60			
M4310T	G150043.60			
M4312T	G150097.60			
M4313T	G150045.60			
M43145T-5	LM18366			
M4314T-12	G150027.60			
M4316T-12	G150031.60			
M4316T-5	LM18372			
M4400T	LM18292			
M4400T-12	G150087.60			
M4402T-4	G150160.60			
M4403T	G150098.60			
M4404T	G150099.60			
M4406T-4	G151371.60			
M4407T-4	G150352.60			
M4409T	G151367.60			
M4410T-4	G151369.60			
M4411T-4	G151370.60			
M4412T-4	G151368.60			
M44156T-4	171315.60	C15		LM16231
M44206T-4	171316.60	C15		LM60072
M44304T-4	151529.60			
M44304T-4	G151529.60			
M44354T	G151530.60			LM13720
M44354T-4	151530.60			
M7009A	111937.00			
M7010A	111923.00			
M7013	111942.00			
M7018T	G120489.00			
M7034T	121915.00			
M7034T	G120490.00			
M7037T	G120391.00			
M7053T	G158000.00			
M7054T	G158001.00			
M7056T	G158010.00			
M7058T	G825047.00			
M7059T	G825039.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
M7060T	G825041.00			
M7062T	G825043.00			
M7063T	G825046.00			
M7064T	G825045.00			
M7066T	G825002.00			
M7067T	G825042.00			
M7068T	G825005.00			
M7071T	121916.00			
M7071T	G120491.00			
M7075T	G120387.00			
M7081T	G825044.00			
M7083T	G825040.00			
M7090T	G825008.00			
M7142T	G158362.00			
M7144T	G158366.00			
M7147T	G158157.00			
M7170T	G158140.00			
M7174T	G158159.00			
M74124T-4	G825011.00			
M74154T-4	G825014.00			
MM2333	193131.60			
MM2334	193141.60			
MM3554	192061.00			
MM3555	192070.00			
MM3558	192071.00			
MM3559	192080.00			
MM4103	193151.60			
MM4104	193161.60			
MM4110	193171.60			
MM5100	192010.00			
MM5100-5	192088.00			
MM5150	192011.00			
MM5150-5	192089.00			
MM5200	192020.00			
MM5200-5	192097.00			
MM5250	192021.00			
MM5250-5	192098.00			
MM5300	192030.00			
MM5300-5	192106.00			
MM5350	192031.00			
MM5350-5	192107.00			
MM5400	192040.00			
MM5400-5	192115.00			
MM5450	192041.00			
MM5450-5	192116.00			
MM5500	192050.00			
MM5500-5	192124.00			
MM5550	192051.00			
MM5550-5	192125.00			
MM5600	192060.00			
MM5600-5	192133.00			
MM5650	192061.00			
MM5650	192202.00			
MM5650-5	192134.00			
MM5650-5	192230.00			
MM5650D	192203.00			
MM5700	192070.00			
MM5700-5	192142.00			
MM5750	192071.00			
MM5750-5	192143.00			
MVM2613D	193336.60			
MVM3457D	192024.00			
MVM3458C	192028.00			
MVM3458D	192025.00			
MVM3460C	192037.00			
MVM3460D	192034.00			
MVM3461C	192038.00			
MVM3461D	192035.00			
MVM3463C	192047.00			
MVM3463D	192044.00			

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Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
MVM3542C	192048.00			
MVM3542D	192045.00			
MVM3545C	192057.00			
MVM3545D	192054.00			
MVM3546C	192058.00			
MVM3546D	192055.00			
MVM3550C	192067.00			
MVM3550D	192064.00			
MVM3554C	192068.00			
MVM3554D	192065.00			
MVM3555C	192077.00			
MVM3555D	192074.00			
MVM3558C	192078.00			
MVM3558D	192075.00			
MVM3559C	192087.00			
MVM3559C	192214.00			
MVM3559D	192084.00			
MVM3559D	192211.00			
MVM3611C	193088.60			
MVM3611C	193359.60			
MVM3611D	193334.60			
MVM3613C	193107.60			
MVM3615D	193337.60			
MVM3709D	193342.60			
MVM3710D	193343.60			
MVM3711D	193345.60			
MVM5100C	192017.00			
MVM5100D	192014.00			
MVM5150C	192018.00			
MVM5150D	192015.00			
MVM5200C	192027.00			
MVM5200D	192024.00			
MVM5250C	192028.00			
MVM5250D	192025.00			
MVM5300C	192037.00			
MVM5300D	192034.00			
MVM5350C	192038.00			
MVM5350D	192035.00			
MVM5400C	192047.00			
MVM5400D	192044.00			
MVM5450C	192048.00			
MVM5450D	192045.00			
MVM5500C	192057.00			
MVM5500D	192054.00			
MVM5550C	192058.00			
MVM5550D	192055.00			
MVM5600C	192067.00			
MVM5600D	192064.00			
MVM5650C	192068.00			
MVM5650C	192204.00			
MVM5650D	192065.00			
MVM5700C	192077.00			
MVM5700C	192213.00			
MVM5700D	192074.00			
MVM5700D	192210.00			
MVM570C	192207.00			
MVM5750C	192078.00			
MVM5750D	192075.00			
MVM5750D	192206.00			
NM3542	114309.00			
NM3546T	121098.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
PCL1313M	114214.00			
PCL1317M	114215.00			
PCL3513M	115024.00			
PL1313M	113631.00			LM24524
PL1317M	113632.00			
PL1319M	113266.00			
PL1327M	116708.00			
PL3513M	110109.00			LM24532
PSC3413A	100699.00			
PSC3413A	100701.00			
PSC3413A	M099801.00			
PSC3416A	100700.00			
PSC3416A	M090253.00			
PSC3524A	100701.00			
RHM3104	100210.00			
RHM3108	100145.00			
RHM3108A	100796.00			
RHM3111	101773.00			
RHM3111A	101641.00			
RHM3112A	100908.00			
RHM3115	114192.00			
RHM3116	110052.00			
RHM3116A	111311.00			
RHM3120A	113896.00			
RHM3154	110433.00			
RHM3154A	113846.00			
RHM3155A	113897.00			
RHM3157	114197.00			
RHM3157A	113847.00			
RHM3158	113926.00			
RHM3158TA	113926.00			
RHM3161TA	116593.00			
RHM3162TA	121665.00			
RL1301A	100110.00			
RL1301A277	102964.00			
RL1304A	100011.00			
RL1304A277	102965.00			
RL1307A	100065.00			
RL1307A277	102966.00			
RL1309A	110478.00			
RL1310A	110054.00			
RL1310A277	116599.00			
RL1313A	110479.00			
RL1317A	113633.00			
RL1319A	110579.00			
RL1319A277	116600.00			
RL1323A	100064.00			
RL144A	100109.00			
RL345A	100011.00			
RL425A	100603.00			
RM3104	100210.00			
RM3108	100145.00			
RM3108A	100796.00			
RM3111	101773.00			
RM3111A	101641.00			
RM3112	100146.00			
RM3112A	100908.00			
RM3115	114192.00			
RM3115A	113895.00			
RM3116	110052.00			
RM3116A	111311.00			
RM3120	114194.00			
RM3120A	113896.00			
RM3154	110433.00			
RM3154A	113846.00			
RM3155	114196.00			
RM3155A	113897.00			
RM3157	114197.00			
RM3157A	113847.00			
RM3158TA	113926.00			

Cross Reference Exception Codes

LEESON Product Construction Exceptions

C10 LEESON motor is capacitor start/induction run design
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LEESON Product Frame Size Exceptions

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F29 LEESON frame size is 56HC

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
RM3161TA	116593.00			
RSP1441A	191868.00			
RSP1442A	191868.00			
RSP2441A	191869.00			
RSP2442A	191869.00			
RSP3441A	191870.00			
RSP3442A	191870.00			
UCL1015	140640.00			LM24782
UCL1015	141084.00			LM24782
UCL570	131847.00			
UCL710	131848.00			LM24780
UCL710	140640.00			LM24782
UCM1014	140641.00			LM24785
UCM575	131849.00			LM24783
UCM713	131850.00			LM24784
UCME1014	140641.00			LM24785
UCME570	131849.00			LM24783
V2I325A	MK1052.00			
V2L425A	MK1072.00			
V2L525A	MK1102.00			
VBM3108	114156.00			
VBM3112	114157.00			
VBM3116	114166.00			
VBM3116T	121678.00			
VBM3154	116766.00			
VBM3154T	120372.00			
VBM3157T	120373.00			
VBM3211T	131624.00			
VBM3218T	131625.00			
VBM3248T	131625.00			
VBM3546	114161.00			
VBM3546T	121556.00			
VBM3554	116768.00			
VBM3554T	120331.00			
VBM3558T	120332.00			
VBM3611T	131610.00			
VBM3615T	131611.00			
VBM3710T	131612.00			
VBM3714T	140637.00			
VEFWDM3554T	G121655.00			
VEJMM3116T	122073.00			
VEJMM3154T	122077.00			
VEJMM3157T	122080.00			
VEJMM3546T	122084.00			
VEJMM3554T	122088.00			
VEJMM3558T	122092.00			
VEM3542	114213.00			
VEM3545	116748.00			
VEM3546	114638.00			
VEM3550	116750.00			
VEM3554	116743.00			
VEM3554T	121066.00			
VEM3555	116744.00			
VEM3555	116751.00			
VEM3556	116749.00			
VEM3558	116744.00			
VEM3558T	121065.00			
VEM3610T	199082.00			
VEM3610T	G131513.00			
VEM3615T	131501.00			LM16825
VEM3710T	140486.00			LM16826
VEM3714T	140484.00			
VFDL3501M	113290.00			
VFDL3501M	M002290.00			
VFDL3504M	110492.00			
VFDL3504M	M009492.00			
VFDL3507M	110493.00			
VFDL3507M	M009493.00			
VFDL3510M	110494.00			
VFDL3510M	M009494.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
VFDL3516TM	120855.00			
VL1303A	100204.00			
VL1303A	101524.00			
VL1306A	100205.00			
VL1306A	101525.00			
VL1309A	100722.00			
VL1309A	101526.00			
VL1313A	110288.00			
VL1313A	113686.00			
VL1317A	110289.00			
VL1323A	110280.00			
VL325A	100204.00			
VL3501	101766.00	F02		
VL3503	102864.00			
VL3503-50	113912.00			
VL3504-50	113922.00			
VL3505	110411.00			LM24737
VL3506	110413.00			LM24738
VL3506-50	113913.00			
VL3507	110057.00			LM24613
VL3507-50	113923.00			
VL3508	110414.00			LM24739
VL3509	110416.00			LM24740
VL3509-50	113914.00			
VL3510	110058.00			LM24614
VL3510-50	113924.00			
VL3510T	121001.00			LM24741
VL3513	110419.00			LM24535
VL3513T	120101.00			
VL3514	110420.00			LM24622
VL3514-50	113925.00			
VL3514T	120017.00			
VL3515	110422.00			LM24530
VL3515T	120102.00			
VL3605T	131516.00			
VL3609T	131545.00			
VL4005A	111095.00			
VL425A	100205.00			
VL5003A	111098.00			
VL5004A	111085.00			
VL5006A	111097.00			
VL5007A	111086.00			
VL5009A	111096.00			
VL5023A	110852.00			
VL5030	114424.00			
VL525A	100722.00			
VL625A	110288.00			
VL725A	110289.00			
VL825A	110280.00			
VM2333T	151350.60			
VM2333T	G151350.60			
VM2334T	151352.60			
VM2334T	G151352.60			
VM2513T	G151682.60			
VM2514T	G151683.60			
VM2515T	G151684.60			
VM2516T	G151685.60			
VM2531T	G151686.60			
VM2534T	G151687.60			
VM3104	100048.00	F02		LM24910
VM3107	100056.00	F02		LM24911
VM3108	100049.00			LM24912
VM3109	110434.00			LM24913
VM3111	100378.00	F02		LM24914
VM3112	100050.00	F02		LM24915
VM3115	110111.00			LM24916
VM3116T	G120172.00			
VM3120	110437.00			LM24919
VM3120T	121668.00			
VM3153	116728.00			

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Cross Reference

Baldor to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
VM3153T	120063.00			
VM3154	110044.00			LM24160
VM3154T	120081.00			
VM3154T	G120081.00			
VM3155	113894.00			LM24921
VM3155T	121670.00			
VM3155T	G121670.00			
VM3156T	120082.00			
VM3156T	G120082.00			
VM3157	115553.00			LM24131
VM3157T	120035.00			
VM3157T	G120035.00			
VM3158	114420.00			LM24923
VM3158T	121187.00			
VM3158T	G121187.00			
VM3159T	121669.00			
VM3159T	G121669.00			
VM3161T	121405.00			
VM3161T	G131489.00			
VM3211T	131489.00			
VM3211T	131518.00			
VM3212T	131779.00			
VM3212T	G131779.00			
VM3215T	132059.00			
VM3215T	G132059.00			
VM3218T	131490.00			
VM3218T	G131490.00			
VM3219T	131780.00			
VM3219T	G131780.00			
VM3305T	140765.00			
VM3305T	G140765.00			
VM3311T	131527.00			
VM3311T	G140580.00			
VM3312T	140688.00			
VM3313T	140108.00			
VM3313T	G140108.00			
VM3314T	140689.00			
VM3314T	G140689.00			
VM3534	101769.00	F02		LM24093
VM3534-50	102689.00			
VM3535	113311.00			LM24858
VM3537	114176.00			LM24138
VM3537-50	102691.00			
VM3538	102860.00			LM24083
VM3538-50	102694.00			
VM3539	110163.00			LM24128
VM3541	110448.00			LM24151
VM3541-50	114893.00			
VM3542	110047.00			LM24077
VM3542-5	110177.00			
VM3542-50	114894.00			
VM3543	112378.00			LM24153
VM3543T	120097.00			
VM3545	110112.00			LM24139
VM3545-50	114895.00			
VM3546	110048.00			LM24080
VM3546-5	110204.00			
VM3546T	120024.00			
VM3546T	G120024.00	C15		
VM3546T-5	120176.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
VM3546T-5	G120176.00			
VM3546T-50	121272.00			
VM3550	110192.00			LM24096
VM3550T	120105.00			
VM3550T	G120105.00	C15		
VM3550T-50	121274.00			
VM3554	110125.00			LM24112
VM3554-5	111444.00			
VM3554T	120037.00	.		
VM3554T	G120037.00	C15		
VM3554T-5	120177.00			
VM3554T-5	G120177.00			
VM3554T-50	121275.00			
VM3555	111273.00			LM24132
VM3555-5	111611.00			
VM3555T	120061.00			
VM3555T	G120061.00			
VM3555T-50	121276.00			
VM3556	112379.00			LM24130
VM3556T	120098.00			
VM3556T	G120098.00	C15		
VM3557	113634.00			
VM3557T	120161.00			
VM3558	110451.00			LM24084
VM3558T	120038.00			
VM3558T	G120038.00			
VM3558T-5	120178.00			
VM3558T-5	G120178.00			
VM3558T-50	121277.00			
VM3559	111630.00			LM24975
VM3559T	120993.00			
VM3559T	G120993.00			
VM3610T	131513.00			
VM3611T	131491.00			
VM3611T	199083.00			
VM3611T	G131491.00			
VM3611T-5	131498.00			
VM3611T-5	G131498.00			
VM3613T	131514.00			
VM3613T	199084.00			
VM3613T	G131514.00			
VM3614T	131525.00			
VM3614T	G131525.00			
VM3615T	131492.00			
VM3615T	199085.00			
VM3615T	G131492.00			
VM3615T-5	131499.00			
VM3615T-5	G131499.00			
VM3616T	131510.00			
VM3616T	G131510.00			
VM3704T	131642.00			
VM3704T	G131642.00			
VM3708T	140535.00			
VM3708T	G140535.00			
VM3709T	131912.00			
VM3709T	G131912.00			
VM3710T	131528.00			
VM3710T	G141113.00			
VM3711T	140690.00			
VM3711T	G140690.00			
VM3713T	140691.00			
VM3713T	G140691.00			
VM3714T	140109.00			
VM3714T	G140109.00	C15		
VM3774T	199089.00			
VM3774T	G151348.60			LM16301
VM37770T	199087.00			
VM37770T	G151346.60			
VM4103T	151507.60			
VM4103T	G151507.60			

Cross Reference Exception Codes

LEESON Product Construction Exceptions

C10 LEESON motor is capacitor start/induction run design
C15 LEESON motor is premium efficiency design
C47 LEESON motor is 208-230/460V
C55 LEESON motor has a solid-state switch

LEESON Product Frame Size Exceptions

F02 LEESON frame size is S56
F29 LEESON frame size is 56HC

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
VM4104T	151508.60			
VM4104T	G151508.60			
VM4106T	151351.60			
VM4106T	G151351.60			
VM7009A	111936.00			
VM7010A	111935.00			
VM7037T	121178.00			
VMDM3554	116647.00			
VMDM3558	114616.00			
VNM3537	110144.00			
VNM3538	102861.00	F02		
VSSEWDM3537	117126.00			
VSSEWDM3538	117127.00			
VSSEWDM3541	117128.00			
VSSEWDM3542	117129.00			
VSSEWDM3545	117130.00			
VSSEWDM3546	117131.00			
VSSEWDM3550T	121750.00			
VSSEWDM3554	117297.00			
VSSEWDM3554T	121751.00			
VSSEWDM3555T	121742.00			
VSSEWDM3558	117298.00			
VSSEWDM3558T	121743.00			
VSSFWDM3542	103390.00			
VSSSWDM3537	117126.00			
VSSSWDM3538	103413.00			
VSSSWDM3538	117127.00			
VSSSWDM3541	117128.00			
VSSSWDM3542	103414.00			
VSSSWDM3542	117129.00			
VSSSWDM3545	117130.00			
VSSSWDM3546	117131.00			
VSSSWDM3550T	121750.00			
VSSSWDM3554	117297.00			
VSSSWDM3554T	121751.00			
VSSSWDM3555T	121742.00			
VSSSWDM3558	117298.00			
VSSSWDM3558T	121743.00			
VSSWDM3537	117279.00			
VSSWDM3538	116166.00			
VSSWDM3538	117270.00			
VSSWDM3541	117280.00	F02		
VSSWDM3542	116168.00			
VSSWDM3542	117272.00			
VSSWDM3545	116318.00			
VSSWDM3545	117281.00			
VSSWDM3546	116170.00			
VSSWDM3548	117274.00			
VSSWDM3554T	G121525.00			
VSSWDM3558T	G121527.00			
VSSWDM3559T	121562.00			
VSSWDM3559T	G121562.00			
VSSWDM355T	G121561.00			
VSSWDM3611T	131923.00			
VSSWDM3611T	G131923.00			
VSSWDM3613T	131949.00			
VSSWDM3613T	G131949.00			
VSSWDM3615T	131924.00			
VSSWDM3615T	G131924.00			
VSWDM3536	114437.00			
VSWDM3538	114394.00			
VSWDM3538	191205.00			
VSWDM3542	114395.00			
VSWDM3542	191208.00			
VSWDM3546	191290.00			
VSWDM3546T	121109.00			
VSWDM3546T	191214.00			
VSWDM3554	114581.00			
VSWDM3554	191219.00			
VSWDM3554T	191220.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON		Lincoln Catalog #
VSWDM3558T	191226.00			
VWDL3504	114313.00	C55		
VWDL3507	114315.00	C55		
VWDL3510	114317.00	C55		
VWDL3514	114319.00	C55		
VWDM2714T	G140465.00			
VWDM3538	113473.00			
VWDM3542	113019.00			
VWDM3546	113020.00			
VWDM3546T	120760.00			
VWDM3554	113021.00			
VWDM3554T	120761.00			
VWDM3558	114616.00			
VWDM3558T	120762.00			
VWDM3558T	G120762.00			
VWDM3559	115976.00			
VWDM3611T	131596.00			
VWDM3611T	G131596.00			
VWDM3615T	131597.00			
VWDM3615T	G131597.00			
VWDM3710T	140467.00			
VWDM3714T	140465.00			
WDM3558T	G120586.00			
WDM3558TP	G121191.00			
WDM3558TP9	121934.00			
WDM3561TP	115751.00			
WDM3561TP9	121944.00			
WDM3611T	G130662.00			
WDM3615T	G130663.00			
WDM3710T	G140280.00			
WDM3710T	G140467.00			
WDM3714T	G140281.00			
WWL3606	120728.00			
YPC144A	191872.00			
YPC164A	191891.00			
YPC244A	191871.00			
YPC245A	191910.00			
YPC264A	191892.00			
YPC265A	191911.00			
YPC344A	191873.00			
YPC345A	191875.00			
YPC364A	191893.00			
YPC365A	191912.00			

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Cross Reference

WEG to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
.00118ES3ED56CFL	110048.00	LM24080
.00136EP3ESS56C	191209.00	
.00136ES3EB65C	110181.00	LM24126
.00136OS1BJPR56C	100722.00	
.00136OS1BJPR56J	100723.00	
.00156OS1BJPR56C	110288.00	
.00156OS1BJPR56J	110292.00	
.00236OS1BJPR56C	110289.00	
.00236OS1BJPR56J	110293.00	
.00336OS1DJPR56C	110280.00	
.00336OS1DJPR56J	110286.00	
.05018OS3EA56C	100601.00	LM24880
.1812EP3EAL71	192012.00	
.1818EP3EAL63	192011.00	
.1836EP3EAL63	192010.00	
.2512EP3EAL71	192022.00	
.2518EP3EAL71	192021.00	
.2518ES1BB56C	102916.00	LM24723
.2518ES3EB56	101646.00	LM24929
.2518OS1BB48	101423.00	LM24458
.2536EP3EAL63	192020.00	
.2536OS3EA56	100027.00	LM24866
.3312OS3EA56	110425.00	LM24868
.33180S1BC48C	103023.00	
.33180S1BC56CFL	100024.00	LM24571
.33180S3EA56CFL	100048.00	LM24910
.3318EP3ESS56C	191201.00	
.3318EP3ESS56CFL	191202.00	
.3318ES1BB56	102931.00	LM24597
.3318ES1BB56C	102930.00	LM24600
.3318ES1BPFC48	101253.00	
.3318ES1BPFC48	M090253.00	
.3318ES1BRBPFC4	100804.00	LM24448
.3318ES1RADB56N	101435.00	LM24462
.3318ES1RFDB56	113256.00	LM24789
.3318ES1RFDB56	M002256.00	LM24789
.3318ES3EB56	101079.00	LM24107
.3318ES3EB56	101647.00	LM24930
.3318ES3EB56C	102922.00	LM24114
.3318ES3EB56CFL	101769.00	LM24093
.3318OS1BC48	100116.00	
.3318OS1BC56	100006.00	LM24570
.3318OS3EA56	100028.00	LM24152
.3318OS3EA56	100446.00	
.33360S1BC48	100336.00	LM24467
.33360S1BC56CFL	100354.00	LM24688
.33360S3EA56CFL	100375.00	LM24909
.3336ES1BB56C	102929.00	LM24724
.3336ES1BB56CFL	102870.00	LM24736
.3336ES3EB56	102864.00	
.3336ES3EB56CFL	110446.00	
.3336OS3EA56	101447.00	LM24867
.3336OS3EA56C	100599.00	LM24277
.3336OS3EJPR56J	102197.00	
.3712EP3EAL80	192032.00	
.3718EP3EAL71	192031.00	
.3736EP3EAL71	192030.00	
.50120S3EB56CFL	110434.00	LM24913
.5012EP3ESS56CFL	191419.00	
.5012ES1BD56CFL	110411.00	LM24737
.5012ES3EB56	110353.00	LM24105
.5012ES3EB56C	110914.00	LM24104
.5012ES3EB56CFL	110163.00	LM24128
.5012OS3EB56	110027.00	LM24146
.50180S1BC56C	101651.00	LM24697
.50180S1BC56CFL	100025.00	LM24555
.50180S3EA56CFL	100049.00	LM24912
.5018EP3ESS56C	191204.00	
.5018EP3ESS56CFL	191205.00	
.5018ES1BB56	102906.00	LM24627

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
.5018ES1BB56C	102907.00	LM24080
.5018ES1BB56CFL	102862.00	
.5018ES1BPFC56	101176.00	LM24126
.5018ES1BRBPFC56	111323.00	
.5018ES1RADB56N	101436.00	
.5018ES1RFDB56	110086.00	
.5018ES1RFDB56	M009086.00	
.5018ES3EB56	100913.00	
.5018ES3EB56	100961.00	
.5018ES3EB56C	102917.00	
.5018ES3EB56CFL	102860.00	
.5018OS1BC48	100338.00	LM24880
.5018OS1BC56	100007.00	
.5018OS3EA56	100029.00	
.50360S1BC56C	103024.00	
.50360S1BC56CFL	100356.00	
.5036EP3ESS56C	191203.00	
.5036ES1BB56	102905.00	LM24723
.5036ES1BB56C	102903.00	LM24929
.5036ES1BJP56J	113637.00	LM24458
.5036ES1BJPR56J	113955.00	
.5036ES3EB56	100905.00	LM24866
.5036ES3EB56	110143.00	LM24868
.5036ES3EB56C	114142.00	
.5036ES3EB56CFL	114176.00	LM24571
.5036ES3EJPR56J	114931.00	LM24910
.5036OS1BC48	100184.00	
.5036OS1BC56	100337.00	
.5036OS1BJP56J	101527.00	LM24597
.5036OS1BJP56J	110281.00	LM24600
.5036OS1BJPR56C	100204.00	
.5036OS1BJPR56C	101524.00	
.5036OS1BJPR56J	100207.00	LM24448
.5036OS3EA56	101448.00	LM24462
.5036OS3EA56C	100600.00	LM24789
.5036OS3EA56CFL	100056.00	LM24789
.5036OS3EJPR56J	102198.00	LM24107
.5036OS3EJPR56J	102199.00	LM24930
.503ES1BB56CFL	102864.00	LM24114
.5512EP3EAL80	192042.00	LM24093
.5518EP3EAL80	192041.00	
.5536EP3EAL71	192040.00	LM24570
.7512EP3EAL90S	192200.00	LM24152
.7512EP3ESS56C	191415.00	
.7512EP3ESS56CFL	191420.00	LM24467
.7512ES1BF56	110400.00	LM24688
.7512ES1BF56CFL	110414.00	LM24909
.7512ES3ED56	110275.00	LM24724
.7512ES3ED56	121009.00	LM24736
.7512ES3ED56C	116340.00	
.7512ES3ED56CFL	112378.00	
.7512OS3EB56CFL	116728.00	LM24867
.7512OS3ED56	110028.00	LM24277
.75180S1BD56C	101650.00	
.75180S1BD56CFL	100026.00	
.7518EP3EAL80	192051.00	
.7518EP3ESS56C	191207.00	
.7518EP3ESS56CFL	191208.00	LM24913
.7518ES1BB56	110013.00	
.7518ES1BB56C	110905.00	LM24737
.7518ES1BB56CFL	110057.00	LM24105
.7518ES1BRBPFB56	111324.00	LM24104
.7518ES1RADB56N	101437.00	LM24128
.7518ES1RFDB56	110087.00	LM24146
.7518ES1RFDB56	M009087.00	LM24697
.7518ES3EB56	110034.00	LM24555
.7518ES3EB56C	110916.00	LM24912
.7518ES3EB56CFL	110047.00	
.7518OS1BD56	100008.00	
.7518OS3EB56	100030.00	LM24627

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LEESON®

Always check cross reference motor design and outline information to determine suitability for direct replacement, at www.leeson.com

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
.7518OS3EB56C	100602.00	LM24628
.7518OS3EB56CFL	100050.00	LM24599
.75360S1BB56C	103025.00	
.75360S1BB56CFL	100357.00	
.7536EP3EAL80	192050.00	LM24463
.7536EP3ESS56C	191206.00	LM24790
.7536ES1BB56	110276.00	LM24790
.7536ES1BB56C	112135.00	LM24073
.7536ES1BB56CFL	110413.00	LM24932
.7536ES1BJP56J	113638.00	LM24074
.7536ES1BJPR56J	113956.00	LM24083
.7536ES3EB56	100960.00	
.7536ES3EB56	110313.00	LM24551
.7536ES3EB56C	110915.00	LM24098
.7536ES3EB56CFL	110448.00	
.7536ES3EJP56J	113028.00	LM24689
.7536ES3EJPR56J	114208.00	
.7536OS1BB56	100340.00	LM24706
.7536OS1BJP56J	101528.00	LM24725
.7536OS1BJPR56C	100205.00	
.7536OS1BJPR56C	101525.00	
.7536OS1BJPR56J	100208.00	
.7536OS1BJPR56J	110282.00	LM24869
.7536OS3EB56	101449.00	LM24129
.7536OS3EB56C	102971.00	LM24138
.7536OS3EB56CFL	100378.00	
.7536OS3EJPR56J	101637.00	LM24465
.7536OS3EJPR56J	101776.00	
000336ES3EF56	114614.00	
000412EP3EAL132M	193308.60	
000418EP3EAL112M	193307.60	
000436EP3EAL112M	193306.60	
000509EP3E254T	G151355.22	
000736ET3H213T	170196.60	LM24869
00109EP3E182T	G131478.00	LM24879
00112EP3ERS145TC	G120428.00	LM24911
00112EP3ERSR145TC	G120098.00	
00112ES3EF56CFL	112379.00	
00112ET3E145T	171643.60	
00112ET3E145T		
00112ET3H145T	121938.00	
00112OT3E145T	121517.00	
001180S1BD56C	113930.00	
001180S1BD56CFL	110220.00	
00118EP3E143JM	G121855.00	
00118EP3E143TC	121936.00	LM24497
00118EP3EAL90S	192202.00	LM24739
00118EP3ERS143TC	121179.00	LM24136
00118EP3ERSR143TC	G120024.00	LM24136
00118EP3ESS143TC	191487.00	LM24140
00118EP3ESS56CFL	191213.00	LM24153
00118ES1BD56C	110908.00	
00118ES1BD56CFL	110058.00	LM24162
00118ES1RADD56N	113301.00	LM24699
00118ES1RADD56N	113302.00	
00118ES1RFD143T	121569.00	
00118ES1RFDDB56	110088.00	
00118ES3ED56	110035.00	
00118ES3ED56	115830.00	LM24607
00118ET3E143JM-W22	122083.00	LM24615
00118ET3E143JP-W22	122105.00	LM24613
00118ET3E143T	171640.60	
00118ET3E143T		LM24812
00118ET3ERS143T	120921.00	LM24791
00118ET3ERS143TC	116745.00	LM24791
00118ET3H143T	121937.00	LM24075
00118NP3ESS56CFL	191290.00	LM24076
00118OP3E143JM	G121850.00	LM24077
00118OS1BD56	110004.00	LM24502
00118OS3EB56	110029.00	LM24099

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
00118OS3EB56	115827.00	LM24267
00118OS3EB56C	110901.00	LM24915
00118OT3E143JM-S1	122115.00	
00118OT3E143JP-S	122093.00	LM24690
00118OT3E143T	121003.00	
00118ST3QIE143T	811541.00	
0012ES3EBM145T	G121050.00	LM24707
0012ES3EF56	113933.00	LM24726
0013601BD56C	116769.00	LM24738
001360S1BD56CFL	110384.00	
00136EP3EAL80	192060.00	
00136ES1BD56	110059.00	
00136ES1BD56C	110180.00	LM24133
00136ES1BD56CFL	110416.00	LM24134
00136ES1BJP56J	113957.00	LM24151
00136ES1BJPR56J	113639.00	
00136ES3EB56CFL	110112.00	
00136ES3EB56CFL	116748.00	LM24674
00136ES3EJP56J	113029.00	
00136ES3EJPR56J	114207.00	
00136ES3ES3EB56	110145.00	
00136OS1BCDB56	110160.00	
00136OS1BD56	110360.00	
00136OS1BJP56J	101529.00	LM24870
00136OS1BJPR56C	101526.00	
00136OS1BJPR56J	110283.00	LM24914
00136OS3EB56	110426.00	
00136OS3EB56C	116784.00	
00136OS3EJPR56J	101638.00	
00136OS3EJPR56J	101775.00	
00136OS3EJPR56J	114203.00	
0013OS3EB56CFL	110111.00	
00152EP3ERS182T	G131479.00	
00152EP3ERSR182TC	G132249.00	LM16389
00152ES1E182T	131526.00	
00152ET3ERS182T	131980.00	
00152ET3H183T	132251.00	
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001560S1BD56C	116770.00	LM33121
001560S1BD56CFL	110387.00	LM32587
00156EP3E143JM	G121858.00	
00156EP3ERS143TC	121672.00	LM24872
00156EP3ERSR143TC	G120105.00	LM24700
00156EP3ESS143TC	191488.00	LM24586
00156EP3ESS56C	191215.00	
00156ES1BD56	110094.00	
00156ES1BD56C	110909.00	
00156ES1BD56CFL	110419.00	LM32822
00156ES1BJPR56J	113640.00	
00156ES1E143T	120130.00	
00156ES3EB56	110745.00	
00156ES3EB56C	110917.00	LM24616
00156ES3EB56CFL	110192.00	LM24614
00156ES3EJP56J	113030.00	LM24814
00156ES3EJPR56J	114206.00	LM24813
00156ET3E143JM-W22	122085.00	LM24793
00156ET3E143JP-W22	122107.00	LM24792
00156ET3E143T	171642.60	LM24078
00156ET3ERS143T	121518.00	
00156ET3H143T	121939.00	
00156OS1BCDD56	110161.00	
00156OS1BD56	110361.00	LM32796
00156OS1BJP56J	113687.00	LM32856
00156OS1BJPR56C	113686.00	LM32796
00156OS3ED56	110429.00	
00156OS3ED56C	116785.00	
00156OS3ED56CFL	110437.00	
00156OS3EJPR56J	113891.00	
00156OT3E143JM-S7	122074.00	LM24580
00156OT3E143JP-S	122095.00	LM24111

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Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
00156OT3E143T	121514.00	
00156ST3QIE143T	811542.00	
00156XP3E143T	121914.00	
001580S1BF56C	113932.00	
001580S1BF56CFL	110388.00	LM24871
00158EP3E145JM	G121856.00	
00158EP3E145JP	G151736.60	
00158EP3E184T	171630.60	LM24159
00158EP3ERS145TC	121180.00	
00158EP3ERSR145TC	120037.00	LM24526
00158EP3ERSR145TC	G120037.00	
00158EP3ESS145CFL	G191220.00	LM24708
00158EP3ESS56C	191217.00	LM24727
00158EP3ESS56CFL	191219.00	LM24740
00158ES1BF56	110019.00	
00158ES1BF56	110253.00	
00158ES1BF56C	110910.00	LM24139
00158ES1BF56CFL	110420.00	
00158ES1E145T	120026.00	
00158ES1RFD145T	113938.00	
00158ES1RFD56H	M009089.00	LM24094
00158ES1RFDF56H	110089.00	
00158ES3EBM145T	G120329.00	LM24525
00158ES3ED56	110444.00	
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00158ES3ED56C	110918.00	
00158ES3ED56CFL	110125.00	LM24155
00158ET3E145JM-W22	122087.00	
00158ET3E145JP-W22	122109.00	
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00158ET3ERS145T	120922.00	
00158ET3ERS145TC	116746.00	LM24916
00158ET3H145T	121940.00	
00158OP3E145JP	G121846.00	
00158OS1BF56	110005.00	
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00158OS3ED56	111309.00	LM17059
00158OS3ED56	115825.00	
00158OS3ED56C	110902.00	
00158OS3ED56CFL	110044.00	LM24523
00158OT3E145JP-S	122097.00	
00158OT3E145T	121004.00	LM32824
00158P3E145JM	G121851.00	
00158ST3QIE145T	811543.00	
00158XP3E145T	121915.00	
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0015OS1BJPR56J	110284.00	LM24539
0018EP3ESS143TCFL	G191214.00	LM24535
0018ES1BD56	110209.00	
0018ES1E143T	120025.00	LM24710
0018ES3EBM143T	G121679.00	LM24144
0018ES3ED56C	110912.00	LM24135
0018ESEBM143T	G121679.00	LM24096
0018OS3EB56CFL	110043.00	
001O8NP3ESS56C	191291.00	
00209EP3E213T	G140516.00	
002118EP3EAL100L	193301.60	
00212EP3E112M	193302.60	
00212EP3ERSR184TC	G131525.00	LM33122
00212ES1E213T	140747.00	LM25102
00212ES3EBM184T	G131620.00	
00212ET3ERS184T	131981.00	LM24524
00212ET3ERS184TC	132243.00	
00212ET3H184T	132252.00	
00212OT3E184T	131972.00	LM24874
00218EP3E145JM	G121857.00	
00218EP3E145JP	G151737.60	LM24919
00218EP3ER145TC	G121178.00	
00218EP3ERS145TC	G120038.00	
00218EP3ESS145TC	191491.00	

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
00218EP3ESS56C	191223.00	LM32727
00218EP3ESS56CFL	191225.00	
00218EP3ESS56CFL	G191226.00	
00218ES1E145T	121507.00	
00218ES1RFDF145T	110090.00	LM24587
00218ES1RFDF182T	131541.00	
00218ES1RFDG56H	M009090.00	
00218ES3EBM145T	G120330.00	
00218ES3EF56	113026.00	LM32825
00218ES3EF56	115828.00	
00218ES3EF56C	116106.00	
00218ES3EF56CFL	110451.00	
00218ES3ERS145TC	116747.00	
00218ET3E145JM-W22	122091.00	
00218ET3E145JP-W22	122113.00	LM24514
00218ET3E145T	171647.60	LM24513
00218ET3ERS145T	120923.00	LM24728
00218ET3ERS145TC	121181.00	LM24622
00218ET3H145T	121942.00	LM24711
00218OP3E145JM	G121852.00	LM24794
00218OP3E145JP	G121847.00	LM24793
00218OS1BG56	120067.00	LM24795
00218OS3EF56	111310.00	
00218OS3EF56	113025.00	LM24118
00218OS3EF56	115826.00	
00218OS3EF56C	116630.00	LM24095
00218OT3E145JP-S	122102.00	LM24112
00218OT3EN145T	121005.00	
00218ST3QIE145T	811545.00	
00218XP3E145T	121917.00	LM33123
0023600S1BF56C	116771.00	LM33123
002360S1BF56	110363.00	
002360S1BF56CFL	110390.00	LM24142
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00236EP3ERSR145TC	G120061.00	LM24117
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00236ES1BF56CFL	110422.00	
00236ES1BJP56J	113959.00	LM24875
00236ES1BJPR56J	113641.00	
00236ES1E145T	120036.00	
00236ES3ED56	111916.00	
00236ES3ED56C	113927.00	
00236ES3ED56CFL	111273.00	
00236ES3EJP56J	113031.00	
00236ES3EJPR56J	114205.00	LM24610
00236ET3E145JM-W22	122089.00	LM24709
00236ET3E145JP-W22	122111.00	
00236ET3E145T	171648.60	LM24079
00236ET3ERS145T	121519.00	
00236ET3ERS145TC	121673.00	LM24917
00236ET3H145T	121941.00	
00236OP3E145JM	G121853.00	
00236OS1BCDD56	110232.00	
00236OS1BJPR56J	110285.00	
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00236OS3ED56C	114218.00	
00236OS3ED56CFL	113894.00	
00236OS3EJPR56J	113892.00	
00236OS3EJPR56J	114202.00	LM32830
00236OT3E145JP-SE145JP-S	122100.00	LM17062
00236OT3E145T	121515.00	
00236ST3QIE145T	811544.00	
00236XP3E145T	121916.00	
00312EP3AL132S	193305.60	
00312EP3ERSR213TC	G131642.00	

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Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
00312ES3EBM213T	G140601.00	
00312ET3ERS213T	171378.60	
00312ET3ERS213TC	140834.00	
00312OT3E213T	171574.60	
00318EP3E182JM	G131579.00	
00318EP3E182JP	G151739.60	
00318EP3EAL100L	193304.60	LM24796
00318EP3ERSR182TC	G131491.00	
00318ES1DFD184T	131542.00	
00318ES1E184T	131533.00	LM24097
00318ES3EBM182T	G131613.00	
00318ET3E182JM-W22	199767.00	LM24081
00318ET3E182JP-W22	199093.00	LM24084
00318ET3E182T	171320.60	
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00318ET3E182TC	171565.60	
00318ET3ERS182T	131463.00	LM33125
00318ET3ERS182TC	131504.00	LM33125
00318ET3H182T	132253.00	LM32829
00318OP3E182JM	G131562.00	
00318OP3E182JP	G131882.00	
00318OS1D184T	131534.00	
00318OT3E182JM	199589.00	LM24677
00318OT3E182JP	199770.00	
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00318XP3ER182TC	G825116.00	
00318XT3E182T	825085.00	
00318XT3E182TC	825126.00	LM24169
00336EP3E145JM	G121860.00	
00336EP3E182JP	G151738.60	
00336EP3EAL100L	193303.60	
00336EP3ESS182TC	191492.00	LM24624
00336ES1E145T	120341.00	LM24527
00336ES1E182T	131637.00	
00336ES3EF56CFL	111630.00	
00336ES3EJP56J	113032.00	
00336ES3EJPR56J	114204.00	
00336ET3E182JM-W22	199766.00	
00336ET3E182JP-W22	199092.00	LM24534
00336ET3ERS182T	131985.00	LM24729
00336ET3ERS182TC	132079.00	LM24530
00336OP3E145JM	G121854.00	
00336OS1D182T	131636.00	
00336OS3EF56	113293.00	LM24712
00336OS3EF56C	121928.00	LM24347
00336OS3EF56CFL	114420.00	LM24121
00336OS3EJPR56J	113893.00	LM24132
00336OS3EJPR56J	114201.00	
00336OT3E145T	121516.00	
00336ST3QIE182T	811546.00	
00336XT3E182TC	825125.00	
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0036EP3ER182TC	G131513.00	LM33124
0036EP3ERS182TC	114615.00	LM32828
0036ET3E182TC	171564.60	LM25103
00512EP3EAL132M	193311.60	
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00512EP3ERSR215TC	G140535.00	
00512ET3E215T		LM24877
00512ET3E215TC	171116.60	
00512ET3ERS215T	171379.60	LM24921
00512OT3E215T	171575.60	
00518EP3E184JM	G131581.00	
00518EP3E184JP	G151741.60	
00518EP3EAL132S	193310.60	LM33137
00518EP3ERSR184TC	G131492.00	
00518ES1DFD184T	131543.00	
00518ES1DFD215	140223.00	
00518ES1DFD215T	140203.00	

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00518ES1E184T	131538.00	
00518ES3EBM184T	G131614.00	LM60027
00518ET3E184JM-W22	199769.00	LM32833
00518ET3E184JP-W22	199095.00	LM32733
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00518ET3ERS184TC	131502.00	LM24801
00518ET3H184T	132255.00	LM24716
00518OP3E184JM	G131563.00	
00518OS1C184T	131537.00	
00518OT3E184JM	199590.00	
00518OT3E184JP	199772.00	LM60026
00518OT3E184T	131520.00	LM16644
00518ST3QIE184T	811549.00	LM16742
00518XP3ER184TC	G825128.00	LM32741
00518XT3E184T	825087.00	LM16742
00518XT3E184TC	825071.00	LM16384
00536EP3E184JM	G131580.00	
00536EP3E184JP	G151740.60	
00536EP3EAL132S	193309.60	LM24680
00536EP3ERSR184TC	G131514.00	
00536ES1E184T	131549.00	
00536ET3E184JM-W22	199768.00	LM24222
00536ET3E184JP-W22	199094.00	
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00536ET3ERS184TC	132080.00	
00536ET3H184T	132254.00	
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00536OP3E182JP	G131884.00	
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00536OT3E182JP	199097.00	LM24975
00536OT3E182T	131986.00	
00536OT3V182JM	199763.00	
00536ST3QIE184T	811548.00	
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00709EP3E256T	G151356.22	LM15646
00712EP3E160M	193314.60	LM16741
00712ET3E254T	170122.60	
00712ET3ERS254T		LM24679
00712ETRS3E254TC	170138.60	LM24878
00712OT3E254T	170145.60	
00718EP3E213JM	G140622.00	LM24923
00718EP3E213JP	G151743.60	
00718EP3EAL132M	193313.60	
00718EP3ER213TC	G151346.60	LM32731
00718EP3ERSR213TC	G141113.00	
00718ES1DFD215T	140130.00	
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00718ES1E215T	140120.00	LM24953
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00718ET3E213JM-W22	199780.00	
00718ET3E213JP-W22	199787.00	
00718ET3E213T	170157.60	LM32867
00718ET3E213TC	170165.60	LM32835
00718ET3ERS213T	140450.00	LM15883
00718ET3ERS213TC	140521.00	LM32735
00718ET3H213T	141116.00	
00718OP3E213JM	G140618.00	
00718OP3E213JP	G140667.00	
00718OS1CCD215T	140155.00	
00718OT3E213JM	199775.00	LM24798
00718OT3E213JP	199783.00	
00718OT3E213T	140470.00	LM24798

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00718OT3E213T	170142.60	LM24718
00718ST3QIE213T	811551.00	
00718XT3E213T	825089.00	
00718XT3E213TC	825073.00	
00736EP3E184JM	G131582.00	LM24195
00736EP3E213JM	G132027.00	LM16650
00736EP3E213JP	G151742.60	LM62020
00736EP3ER213TC	G151345.60	LM15650
00736EP3ERSR213TC	G131510.00	LM16747
00736EP3ERSR213TC	G131912.00	LM17067
00736ES1E213T	140684.00	
00736ET3E213JM-W22	199779.00	LM24682
00736ET3E213JP-W22	199096.00	
00736ET3E213T	170158.60	
00736ET3E313TC	170166.60	LM24202
00736ET3ERS213T	140756.00	
00736ET3ERS213TC	140770.00	
00736OP3E184JM	G131576.00	
00736OP3E184JP	G131885.00	
00736OS1C184T	140680.00	
00736OT3E184JM	199765.00	
00736OT3E184JP	199773.00	
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00736ST3QIE213T	811550.00	LM24717
00736XT3E213T	825088.00	
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01012ET3E256T	170123.60	LM32864
01012ET3E356TC	170139.60	LM16745
01012OT3E256T	170146.60	LM15649
01018EP3E215JM	G140623.00	LM16745
01018EP3E215JP	G151745.60	LM16386
01018EP3ERSR215TC	G140109.00	
01018ES1DFD215T	140414.00	
01018ES1DFD215T	140706.00	
01018ES1E215T	140581.00	LM24681
01018ES3EBM215T	G140636.00	
01018ET3E215JM-W22	199782.00	LM32734
01018ET3E215JP-W22	199789.00	
01018ET3E215T	170140.60	
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01018OP3E215JM	G140619.00	LM16656
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01018OT3E215T	170144.60	
01018ST3QIE215T	811553.00	
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01036EP3E215JP	G151744.60	
01036EP3ER215TC	G151347.60	LM24720
01036EP3ERSR215TC	G140690.00	
01036ES1E215T	140685.00	LM32869
01036ET3E215JM-W22	199781.00	
01036ET3E215JP-W22	199788.00	
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01036ET3E215TC	170168.60	
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01036OP3E213JM	G141121.00	
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0108EP3ER215TC	G151348.60	
01112EP3E160L	193317.60	
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01512EP3E180L	193320.60	
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01512ET3E284T		LM24719
01512ET3E284TC	170104.60	
01512OT3E284T	170067.60	
01518EP3E160L	193319.60	LM15878
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01518EP3E254JP	G151747.60	LM32804
01518ET3E254JM-W22	199976.00	LM16750
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01518OP3E254JP	G801051.00	LM32737
01518OT3E254JP	199987.00	
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01518XT3E254TC	825077.00	
01536EP3E160M	193318.60	LM32742
01536EP3E215JM	G140764.00	
01536EP3E215JP	G151746.60	
01536EP3E254JM	G151567.60	
01536ET3E215JM-W22	199975.00	LM24805
01536ET3E254C	171586.60	
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01536ET3E254T	170062.60	
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01536OT3E215JP	199786.00	LM16919
01536OT3E215T	170064.60	LM62026
01536ST3QIE254T	811554.00	LM32809
01536XT3254T	825092.00	LM32841
0158EP3ER254TC	G151350.60	
01812EP3E200L	193323.60	
01818EP3E180M	193322.60	
01836EP3E160L	193321.60	
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02018EP3E256JM	G151570.60	
02018EP3E256JP	G151749.60	
02018EP3ER256TC	G151352.60	
02018ET3E256JM-W22	199978.00	
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02018OT3E256JP	199989.00	LM32808
02018OT3E256T	170006.60	LM32840
02018ST2QIE256T	811557.00	LM16389
02018XT3E256T	825095.00	
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02036EP3E254JP	G151748.60	LM32740
02036EP3ER256TC	G151351.60	
02036ET3E256JM-W22	199977.00	

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Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
02036ET3E256JP-W22	194118.00	LM16301
02036ET3E256T	170033.60	
02036ET3E256TC	171588.60	
02036OP3E254JM	G151381.60	
02036OP3E254JP	G801056.00	
02036OT3E254JM	199965.00	LM24793
02036OT3E254JP	199988.00	LM24793
02036OT3E254T	170032.60	
02036ST3QIE256T	811556.00	
02036XT3E256T	825094.00	LM15793
0208ET3H256T	170117.60	LM32874
02180S1BG56C(W/O MROL)	113281.00	
02212EP3E200L	193326.60	LM31244
02218EP3E180L	193325.60	
02236EP3E180M	193324.60	
0236ET2H256T	170199.60	
02509EP3E326T	150265.22	
02512ET3E324T	170003.60	
02512OT3E324T	170002.60	LM24208
02518EP3E284JM	G151418.60	LM32873
02518EP3E284JP	G151751.60	LM16762
02518EP3ER284TC	G151507.60	LM16400
02518ET3E284JM-W22	199980.00	
02518ET3E284JP-W22	194121.00	
02518ET3E284T	170011.60	LM24190
02518ET3E284T		
02518ET3E284TC	171591.60	
02518ET3H384T	170118.60	
02518OP3E284JM	G801028.00	
02518OP3E384JP	G801053.00	
02518OT3E284JP	199991.00	
02518OT3E284T	170009.60	
02518ST3QIE284T	811559.00	
02518XT3E284TC	825081.00	LM16761
02518XT3H284T	825097.00	
02536EP3E256JM	G151417.60	LM15890
02536EP3E256JP	G151750.60	
02536ET3E284JM-W22	199979.00	
02536ET3E284JP-W22	194120.00	
02536ET3E284TS	170035.60	
02536ET3E284TSC	171590.60	LM32743
02536ET3H284TS	170224.60	
02536OP3E256JM	G151382.60	
02536OP3E256JP	G801057.00	
02536OT3E256JP	199990.00	
02536OT3E256T	170034.60	
02536ST3QIE284TS	811558.00	
02536XT3E284TS	825096.00	
03012EP3E225S/M	193329.60	LM15796
03012ET3E326T	170005.60	LM32877
03012OT3E326T	170004.60	LM30273
03018EP3E286JM	G151422.60	
03018EP3E286JP	G151753.60	
03018EP3ER286TC	G151508.60	
03018ET3E286JM-W22	199982.00	
03018ET3E286JP-W22	194123.00	
03018ET3E286T	170015.60	LM24207
03018ET3E286T		LM32876
03018ET3E286TC	171592.60	LM62032
03018ET3H286T	170119.60	
03018OP3E286JM	G801029.00	
03018OP3E286JP	G801054.00	
03018OT3E286JM	199970.00	LM24199
03018OT3E286JP	199993.00	
03018OT3E286T	170013.60	
03018P3E200L	193328.60	
03018ST3QIE286T	811561.00	
03018XT3E286T	825099.00	
03018XT3E286TC	825082.00	

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
03036EP3E200L	193327.60	
03036EP3E284JM	G151420.60	
03036EP3E286JP	G151752.60	LM15673
03036ET3E286JM-W22	199981.00	LM62031
03036ET3E286JP-W22	194122.00	
03036ET3E286TC	170108.60	
03036ET3E286TS	170037.60	
03036ET3H286TS	170228.60	
03036OP3E284JM	G801040.00	LM32745
03036OP3E284JP	G801058.00	
03036OT3E284JM	199969.00	
03036OT3E284JP	199992.00	LM15919
03036OT3E284TS	170036.60	
03036ST2QIE286TS	811560.00	
03036XT3E286TS	825098.00	
03712EP3E205S/M	193332.60	
03718EP3E225S/M	193331.60	LM16403
03736EPE200L	193330.60	
04012ET3E364T	170096.60	LM13696
04012OT3E364T	170147.60	LM13809
04018EP3E324JM	G151426.60	
04018EP3E324JP	G151755.60	
04018ET3E324JM-W22	199984.00	
04018ET3E324JP-W22	194125.00	
04018ET3E324T	170019.60	
04018ET3E324TC	171593.60	LM15792
04018OP3E324JM	G801030.00	LM32879
04018OP3E324JP	G801055.00	LM62035
04018OT3E324JM	199972.00	LM16407
04018OT3E324JP	199995.00	
04018OT3E324T	170017.60	
04018ST3QIE324T	811563.00	
04018XT3E324T	825101.00	LM29576
04018XT3E324TC	825083.00	
04036EP3E286JM	G151424.60	
04036EP3E324JP	G151754.60	
04036ET3E324JM-W22	199983.00	
04036ET3E324JP-W22	194124.00	
04036ET3E324TS	170039.60	
04036ET3E324TSC	170110.60	
04036ET3H324TS	170232.60	LM13960
04036OP3E286JM	G801041.00	LM32659
04036OP3E286JP	G801059.00	LM16406
04036OT3E286JM	199971.00	
04036OT3E286JP	199994.00	
04036OT3E286TS	170038.60	
04036ST3QIE324TS	811562.00	LM32747
04036XT3E324TS	825100.00	
047018EP3ER324TC	G151509.60	
05012ET3E365T	170097.60	
05012ET3E365T		LM60048
05012OT3E365T	170148.60	LM13810
05018EP3ER326TC	G151510.60	
05018ET3E326JM-W22	199986.00	
05018ET3E326JP-W22	194127.00	
05018ET3E326T	170023.60	
05018ET3E326T		
05018ET3E326TC	171594.60	LM13964
05018ET3H326T	170121.60	LM32882
05018OT3E326JM	199974.00	LM16744
05018OT3E326JP	199997.00	LM19595
05018OT3E326T	170021.60	
05018ST3QIE326T	811564.00	
05018XT3E326T	825103.00	
05018XT3E326TC	825084.00	
05036EP3E324JP	G151756.60	LM29577
05036ET3326TS		
05036ET3E326JM-W22	199985.00	
05036ET3E326JP-W22	194126.00	
05036ET3E326TS	170041.60	

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Cross Reference

WEG to LEESON® and Lincoln Motors

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
05036ET3E326TSC	170112.60	
05036OP3E324JM	G801042.00	
05036OP3E324JP	G801060.00	
05036OT3E324JM	199973.00	
05036OT3E324JP	199996.00	
05036OT3E324TS	170040.60	LM16773
05036ST3QIE326TS	811564.00	LM60046
05036XT3E326TS	825102.00	LM20085
06012ET3E404T	170098.60	
06012OT3E404T	170149.60	
06016ST3QIE364T	811567.00	
06018ET3E364T	170027.60	
06018ET3E364TC	171595.60	LM32687
06018ET3H364T	170239.60	
06018OT3E364T	170025.60	
06018XT3E364T	825105.00	
06036ET3E364TS	170043.60	
06036ET3E364TSC	170114.60	
06036OT3E326TS	170042.60	LM13918
06036ST3QIE364TS	811566.00	LM13924
06036XT3E364TS	825104.00	
07512ET3E405T	170099.60	
07512OT3E405T	170150.60	
07518ET3E365T	170031.60	
07518ET3E365T		LM13699
07518ET3EE365TC	171596.60	LM62041
07518ET3H365T	170244.60	
07518OT3E365T	170029.60	
07518ST3QIE365T	811569.00	
07518XT3E365T	825107.00	
07536ET3E365TS	170045.60	LM13811
07536ET3E365TSC	171115.60	
07536OT3E364TS	170044.60	
07536ST3QIE365TS	811568.00	
07536XT3E365TS	825106.00	
10012ET3E444T	170256.60	
10012OT3E444T	170255.60	
10018ET3E405T	170087.60	
10018ET3E405T		LM19749
10018ET3E405TC	171597.60	LM13725
10018ET3H405T	170253.60	LM14407
10018OT3E404T	170152.60	
10018ST3QIE405T	811571.00	
10018XT3E405T	825109.00	
10036ET3E405T		
10036ET3E405TS	170160.60	LM13969
10036OT3E365TS	170151.60	
10036ST3QIE405TS	811570.00	
10036XT3E495TS	825108.00	
12512ET3E445T	170260.60	LM19754
12512OT3G445T	170259.60	LM32888
12518ET3E444T	170369.60	LM13927
12518ET3G444T		
12518OT3E405T	170155.60	
12518XT3E444T	825111.00	
12536ET3G444TS	171580.60	LM19753
12536OT3E404TS	170154.60	LM32887
12536XT3G444TS	825110.00	LM62044
15012ET3G447T	171315.60	LM14411
15012OT3G445T	171576.60	
15018ET3G445T	170371.60	
15018ET3G445T		LM13813
15018OT3G444T	171522.60	
15018XT3E445T	825113.00	
15036ET3G445TS	171578.60	
15036OT3G405TS	171449.60	
15036XT3G4445TS	825112.00	LM32685
20012ET3G447T	171316.60	
20012OT3G447/9T	171577.60	
20018ET3G447T	170352.60	LM60052

Competitor Catalog #	LEESON Catalog #	Lincoln Catalog #
20018ET3G447T		LM13727
20018OT3G445T	171523.60	
20036ET3G447TS	171579.60	
20036OT3G444TS	171573.60	
250180P3G445T	G151524.60	
25018ET3G447T		LM13812
30018OP3G447/9T	G151525.60	
35018OP3G447/9T	G151518.60	
518OS1CCDOL184T	131622.00	LM13938
EP3ESS56C	191414.00	LM13944
PCJ105H	MT1052.00	
PCJ107H	MT1072.00	LM14809
PCJ110H	MT1102.00	LM62047
PCJ115H	MT1152.00	LM18369
PCJ120H	MT1202.00	LM14813
PCQ105H	MST1052.00	
PCQ107H	MST1072.00	LM14808
PCQ110H	MST1102.00	LM15562
PCQ120H	MST1202.00	LM13814
PCQ150H	MST1152.00	
PCQ120H	MST1202.00	
PCQ150H	MST1152.00	LM60060

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PZ SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Dayton	Bodine	Baldor	Bison
4	100	1/40	M1115002	6Z911	199	—	011-190-0362
			M1125046	—	—	—	—
10	100	1/20	M1115001	6Z912	198	GPP231108	011-190-0186
			M1125047	—	—	—	—
20	100	1/20	M1115000	6Z913	196	GPP232110	011-190-0096
			M1125048	—	—	GPP233120	—
30	100	1/17	M1125002	6Z914	190	GPP233112	011-190-0072
			M1125037	—	—	—	—
60	56	1/17	M1125003	6Z914	—	GPP233111	011-190-0025
			M1125036	—	—	GPP233121	—
100	36	1/17	M1125004	—	189	GPP12503	011-190-0019
			M1125035	—	—	—	—
150	24	1/17	M1125005	6Z916	188	—	011-190-0013
			M1125034	—	—	—	—
300	10	1/17	M1125006	—	157	—	011-190-0007
			M1125033	—	—	—	—

P300 SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Dayton	Bodine	Baldor	Bison
5	353	1/20	M1115024	6A193	—	—	011-336-1369
9	268	1/20	M1115025	6A194	4147	GPP233141	011-336-1208
18	150	1/20	M1115026	4Z134	4146	GPP233140	011-336-1091
24	280	1/8	M1125069	4Z130	4156	—	011-336-2082
31	220	1/8	M1125070	4Z383	4155	GPP12547	011-336-2060
34	82	1/20	M1115027	4Z133	—	GPP233112	011-336-1053
51	130	1/8	M1125071	4Z129	4154	—	011-336-2036
51	55	1/20	M1115028	4Z132	—	GPP233111	011-336-1030
61	113	1/8	M1125072	4Z382	4154	GPP12545	011-336-2028
94	77	1/8	M1125073	4Z381	4153	GPP12544	011-336-2019
109	27	1/20	M1115029	4Z131	—	—	011-336-1017
170	43	1/8	M1125074	4Z128	4151	GPP12542	011-336-2011

P1100 SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Ratio to 1	Input HP	LEESON Catalog No.	Cross Reference	
					Dayton	Bison
8	1087	212	1/4	108700	6Z406	011-483-4197
12	1030	143	1/4	108701	6Z407	011-483-4131
18	750	95	1/4	108702	6Z408	011-483-4087
42	353	42	1/4	108703	6Z409	011-483-4041
60	238	29	1/4	108704	6Z410	011-483-4028
92	160	19	1/4	108705	6Z411	011-483-4018
135	105	13	1/4	108706	6Z412	011-483-4012
18	1112	95	1/2	108707*	6Z413	011-483-2087
33	882	53	1/2	108708*	6Z414	011-483-2058
42	705	42	1/2	108709*	6Z415	011-483-2041
60	476	29	1/2	108710*	6Z416	011-483-2028
92	320	19	1/2	108711*	6Z417	011-483-2018
135	210	13	1/2	108712*	6Z418	011-483-2012

* Indicates TEFC design, others are TENV

Application Notes:
P1100 DC gearmotors have the same mounting dimensions as Bison 483 gearmotors and Dayton gearmotors. For additional information, see Bulletin 1830.

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement.

RIGHT-ANGLE DC GEARMOTORS

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference		
				Dayton	Bodine	Baldor
42	30	1/17	M1115018	—	99	—
62	35	1/17	M1115019	—	98	GP233003~
125	20	1/17	M1115020	—	96	GP233007~
250	11	1/17	M1115021	—	94	—
500	6	1/17	M1115022	—	93	—
42	80	1/8	M1135069	6A192	—	GP7403~
62	70	1/8	M1135038	4Z137	4144	GP7402~
			M1135058	—	6144	—
125	45	1/8	M1135039	—	4142 6142	—
250	25	1/8	M1135040	—	4141	—
500	13	1/8	M1135041	—	4140	—
62	135	1/4	M1135042	1L498	4138	GP7405~
			M1135062	—	—	GP7425~
83	125	1/4	M1135043	1L499	4137	GP7407~
			M1135063	—	—	GP7427~
125	90	1/4	M1135044	—	4136	—
250	50	1/4	M1135045	—	4135	—
500	30	1/4	M1135046	—	4134	—

~Mounting base and output shaft height are not 'drop-in' replacement.
Some Dayton and all Baldor right-angle gearmotors have double output shafts.

PE350 SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Baldor	Cross Reference		
					Bodine	Bison	Dayton
7	330	1/8	M1135106	GPP7459	4175	011-348-7215	6ML63
			M1135139	GPP7479	—	—	6ML64
14	341	1/8	M1135107	GPP7462	4174	011-348-7102	6ML65
			M1135140	GPP7478	—	—	6ML66
21	371	1/4	M1135117	GPP7457	4173	—	6ML67
			M1135141	GPP7477	—	—	6ML68
27	305	1/4	M1135115	GPP7461	—	—	6ML69
			M1135142	—	—	—	6ML70
42	280	1/4	M1135108	GPP7456	4185	011-348-7041	6ML71
			M1135143	GPP7476	—	—	6ML72
50	250	1/4	M1135109	GPP7460	—	011-348-7034	6ML73
			M1135144	—	—	—	6ML74
62	220	1/4	M1135110	GPP7455	4184	011-348-7029	6ML75
			M1135145	GPP7475	—	—	6ML51
83	155	1/4	M1135114	GPP7454	4183	—	6ML52
			M1135146	GPP7474	—	—	6ML53
125	100	1/4	M1135111	GPP7453	4182	—	6ML54
			M1135147	GPP7473	—	—	6ML55
165	70	1/4	M1135112	GPP7452	4181	—	6ML56
			M1135148	GPP7472	—	—	6ML57
250	45	1/4	M1135116	GPP7451	4180	—	6ML58
			M1135149	GPP7471	—	—	6ML59
500	25	1/4	M1135113	GPP7450	4179	—	6ML60
			M1135150	GPP7470	—	—	6ML61

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Bison is believed to be the trademark or trade name of Bison Gear & Engineering Corporation.

Bodine is believed to be the trademark or trade name of Bodine Electric Company.

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Cross Reference

AC Sub-FHP Gearmotor Cross Reference

PZ SERIES AC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Dayton	Bodine	Baldor	Bison
2	100	1/150	M1125050	6Z074	—	—	016-103-2362
9	100	1/15	M1125127*	6Z076	0449	GCP24114	016-103-2186
19	100	1/15	M1125128*	6Z081	0448	GCP24122	016-103-1096
28	100	1/15	M1125129*	6Z082	0455	GCP24124	—
57	56	1/15	M1125130*	6Z083	0454	GCP24134	016-103-1025
94	36	1/15	M1125131*	6A197	0453	—	016-103-1019
142	24	1/15	M1125132*	—	0452	—	016-103-1013
283	12	1/15	M1125133*	—	0451	—	—

* These motors are TEFC.

P240 SERIES AC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Dayton	Bodine	Baldor	Bison
8	345	1/15	M1145029	6Z816	0476	GCP24004	016-226-6215
15	250	1/15	M1145023	4Z518	0485	—	—
16	391	1/6	M1145030	6Z817	0485	—	016-226-6102
30	135	1/15	M1145024	4Z519	—	—	—
30	295	1/6	M1145031	6Z818	0484	—	016-226-6058
40	219	1/6	M1145032	6Z819	0483	GCP25052	016-226-6036
45	92	1/15	M1145025	4Z520	—	—	—
60	157	1/6	M1145033	6Z820	0482	GCP25054	016-226-6028
70	61	1/15	M1145026	4Z521	—	—	—
90	103	1/6	M1145034	6Z821	0481	GCP25056	016-226-6019
97	43	1/15	M1145027	4Z522	—	—	—
139	30	1/15	M1145028	4Z523	0480	—	—
156	60	1/6	M1145035	6Z822	—	GCP25060	016-226-6011

PE350 SERIES AC GEARMOTORS • SINGLE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Baldor	Bodine	Bison	Dayton
5	310	1/12	096000	—	0671	016-246-6254	6MK70
9	341	1/12	096001	—	0669	016-246-6170	6MK71
14	330	1/12	096002	GCP9320	0636*	—	6MK72
19	250	1/12	096003	GCP9322	0635*	016-246-6082	6MK73
29	270	1/6	096004	—	0685	016-246-6058	6MK74
34	250	1/6	096005	—	—	—	6MK75
40	180	1/6	096006	—	0654*	—	6MK76
59	135	1/6	096007	GCP3305	0683	016-246-6028	6MK77
75	90	1/6	096008	—	0681	016-246-6023	6MK78
113	68	1/6	096009	—	0651*	016-246-6015	6MK79
160	45	1/6	096010	GCP3315	0680	016-246-6011	6MK80
340	25	1/6	096011	GCP3320	0679	016-246-6005	6MK81

*Split Phase Type

PE350 HIGH TORQUE • SINGLE PHASE: Cap Start

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Baldor	Bodine	Bison	Dayton
58	320	1/3	096049	GLP3330	0664*	—	—
85	218	1/3	096050	GLP3332	0663*	—	—
173	109	1/3	096051	GLP3336	0662*	—	—
345	55	1/3	096052	GLP3338	0662*	—	—

*Split Phase Type

PE350 SERIES AC GEARMOTORS •THREE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Baldor	Bodine	Bison	Dayton
58	320	1/3	096013	GMP3330	0666	017-246-0029	6MK82
85	218	1/3	096014	GMP3332	0642	017-246-0019	6MK83
173	109	1/3	096015	GMP3336	0665	017-246-0011	6MK84
345	55	1/3	096016	GMP3338	—	017-246-0005	6MK85

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement.

P1100 SERIES AC GEARMOTORS • SINGLE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Ratio to 1	Input HP	LEESON Catalog No.	Cross Reference	
					Dayton	Bison*
8	975	212	1/4	107000	6Z400	014-482-4211
12	1030	143	1/4	107004	6K351	014-482-4143
18	800	95	1/4	107003	6Z401	014-482-4095
26	569	66	1/4	107002	6K352	—
59	248	29	1/4	107005	6K353	014-482-4029
133	114	13	1/4	107001	6K354	014-482-4011
18	1089	95	1/3	107006	6Z402	014-482-3095
26	752	66	1/3	107012	6K396	014-482-3066
41	461	42	1/3	107011	2Z842	014-482-3042
59	330	29	1/3	107010	6K369	014-482-3029
91	224	19	1/3	107009	2Z843	014-482-3019
157	125	11	1/3	107008	2Z844	014-482-3011
288	70	6	1/3	107007	2Z845	014-482-3006
22	1105	79	1/2	107013	6Z403	—
41	700	42	1/2	107017	6K375	014-482-2042
59	496	29	1/2	107016	6K583	014-482-2029
91	336	19	1/2	107015	6K383	014-482-2019
133	229	13	1/2	107014	6K506	014-482-2011

* Bison units are split phase design.

P1100 SERIES AC GEARMOTORS •THREE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Ratio to 1	Input HP	LEESON Catalog No.	Cross Reference	
					Dayton	Bison
18	1089	95	1/3	107025	6Z404	—
26	752	66	1/3	107026	4Z384	—
41	461	42	1/3	107027	4Z385	—
59	330	29	1/3	107028	4Z386	—
91	224	19	1/3	107029	4Z387	—
157	125	11	1/3	107030	4Z388	—
288	70	6	1/3	107031	4Z389	—
22	1105	79	1/2	107032	6Z405	017-482-0095
41	700	42	1/2	107033	4Z390	017-482-0042
59	496	29	1/2	107034	4Z391	017-482-0029
91	336	19	1/2	107035	4Z392	017-482-0019
133	229	13	1/2	107036	4Z393	017-482-0011
288	100	6	1/2	107037	4Z394	017-482-0006

Application Notes:
P1100 AC gearmotors have the same mounting dimensions as Bison 482 gearmotors and Dayton gearmotors. For additional information, see Bulletin 1830.

RIGHT-ANGLE AC GEARMOTORS

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference			
				Dayton	Bodine	Baldor	Bison
28	37	1/15	M1125080	IL536	0492	—	—
43	34	1/15	M1125081	IL538	0491	GC24310~	—
58	40	1/15	M1125082	IL535	0487	—	—
85	24	1/15	M1125083	IL534	0490	GC24306~	—
173	14	1/15	M1125084	IL533	0488	GC24302~	—
29	110	1/6	M1145037	IL501	—	—	—
43	113	1/6	M1145038	IL502	0678	GC25020~	—
57	95	1/6	M1145082	IL503	—	GC25015~	026-756-8030
83	75	1/6	M1145039	IL504	0677	GC25010~	026-756-8020
170	43	1/6	M1145040	IL505	0672	—	026-756-8010
340	23	1/6	M1145041	—	0670	—	026-756-8005

~Mounting base and output shaft height are not 'drop-in' replacement.
Some Dayton and all Baldor right-angle gearmotors have double output shafts.

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LM15572	49	12,574
LM15670	61	2,696
LM15671	61	2,384
LM15672	60	2,854
LM15673	61	3,143
LM15674	61	2,991
LM15675	61	3,355
LM15869	60	1,570
LM15919	238	2,557
LM16029	60	1,866
LM16030	59	1,675
LM16031	61	1,966
LM16032	61	1,979
LM16033	60	1,943
LM16222	63	36,407
LM16226	45	33,021
LM16235	45	28,354
LM16237	45	41,693
LM16239	45	22,871
LM16383	237	908
LM16384	237	818
LM16388	237	1,713
LM16391	237	1,518
LM16395	237	1,678
LM16572	404	303
LM16574	404	882
LM16577	404	1,242
LM16602	240	2,284
LM16644	100	1,241
LM16650	100	1,357
LM16719	72	18,730
LM16741	70	1,253
LM16744	70	1,776
LM16745	70	1,628
LM16748	70	2,036
LM16752	70	1,925
LM16753	70	2,787
LM16755	71	2,065
LM16757	71	2,035
LM16759	71	3,483
LM16762	71	2,868
LM16767	71	3,118
LM16769	71	6,199
LM16772	71	4,237
LM16774	71	5,507
LM16828	67	2,789
LM16919	100	2,236
LM17076	238	3,046
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LM17186	240	1,716
LM17187	240	1,655
LM17189	240	2,143
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LM17193	240	2,546
LM17195	240	3,338
LM17196	240	3,161
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LM17388	49	16,101
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LM18866	404	310
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LM18868	404	780
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LM25061	241	523
LM25063	241	644
LM25068	241	663
LM25069	241	743
LM25070	241	711
LM25071	241	1,023
LM25112	114	783
LM25114	114	768
LM25115	113	619
LM25116	113	840
LM25117	114	677
LM25119	114	704
LM25121	114	845
LM25123	113	582
LM25124	113	523
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LM32671	62	7,689
LM32672	62	12,343
LM32674	44	8,437
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LM32746	43	3,567
LM32748	43	3,369
LM32749	43	3,905
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LM32755	44	11,622
LM32756	44	11,224
LM32757	44	12,799
LM32758	45	13,631
LM32759	45	12,946
LM32760	45	16,586
LM32761	45	20,399
LM32778	49	1,573
LM32781	49	2,569
LM32783	49	3,812
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LM32786	49	4,278
LM32787	49	11,547
LM32788	49	12,421
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LM32807	60	3,260
LM32808	61	1,869
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LM32845	72	24,141
LM32846	65	845
LM32848	66	929
LM32856	100	917
LM32857	100	1,142
LM32862	100	1,021
LM32869	100	1,770
LM32873	100	2,801
LM32876	100	3,611
LM32879	100	4,251
LM32882	100	5,022
LM32885	100	6,631
LM32887	100	7,723
LM32890	100	12,486
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LM32896	100	17,133
LM32899	100	21,818
LM32902	100	28,325
LM32905	100	32,226
LM33046	259, 261	3,235
LM33048	260, 261	3,752
LM33121	58	889
LM33122	58	812
LM33123	58	814
LM33124	59	888
LM33125	59	733
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LM33262	59	1,102
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LM33566	68	1,526
LM33567	69	1,130
LM33569	69	1,249
LM33570	70	1,253
LM33571	70	1,628
LM33573	66	1,087
LM33574	66	888
LM33575	67	1,243
LM33591	83	1,824
LM33595	87	3,680
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LM34055	48	533
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LM34057	48	809
LM34058	48	904
LM34059	20	527
LM34060	21	905
LM34061	241	477
LM34062	241	553
LM34063	241	610
LM34064	241	685
LM34065	241	745
LM34066	241	734
LM34067	241	772
LM34068	241	857
LM34069	241	873
LM34097	45	32,162
LM34101	100	36,450
LM34108	115	1,800
LM34109	116	7,439
LM34110	116	21,053
LM34112	117	1,858
LM34113	117	1,957
LM34114	117	2,212
LM34115	115	1,656
LM34117	237	2,861
LM34118	241	2,258
LM34119	241	3,905
LM34120	241	8,334
LM34121	241	11,622
LM34123	241	3,567
LM34126	241	3,369
LM34127	241	12,799
LM34128	242	2,258
LM34129	242	2,604
LM34130	242	4,056
LM34134	242	2,991
LM34139	58	784
LM34140	58	772
LM34141	58	601
LM34142	58	800
LM34144	59	847
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LM34149	242	9,038
LM34153	66	1,014
LM34154	65	965
LM34155	66	1,014
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LM34159	65	915
LM34160	66	962
LM34161	65	965
LM34162	65	962
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LM34166	67	1,978
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LM34263	58	966
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LM34366	101	9,679
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LM80029	139	5,799
LM80030	139	8,628
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LM80032	139	10,276
LM80033	139	10,084
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MOTOR SELECTION

Electric motors are the workhorses of industry. Many applications exist where more than one motor can be used and/or the exact replacement is not available. LEESON makes every effort to maximize interchangeability, mechanically and electrically, where compromise does not interfere with reliability and safety standards. If you are not certain of a replacement condition, contact any LEESON Authorized Distributor or the LEESON District Sales Office.

SELECTION

Identifying a motor for replacement purposes or specifying a motor for new applications can be done easily if the following information is known:

1. Nameplate Data
2. Motor Type
3. Electrical and Performance Characteristics
4. Mechanical Construction

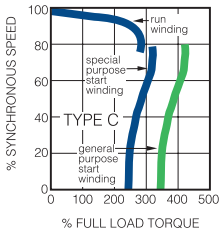
NAMEPLATE DATA

Nameplate data is the most important first step in determining motor replacement. Much of the information needed can generally be obtained from the nameplate of the motor to be replaced. Take time to record all the nameplate information because it can save time, avoid confusion and MISAPPLICATION.

MOTOR TYPE

Alternating current (AC) induction motors are divided into two electrical categories, based on power source—single phase and polyphase (three phase). Direct current (DC) motors are used in applications where precise speed control is required or when battery or generated direct current is the available power source.

TYPICAL SPEED TORQUE CURVES



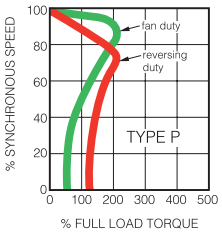
Capacitor Start/Induction Run

A single phase general purpose design, with an electrolytic capacitor in series with the start winding, offering maximum starting torque per ampere.

A centrifugal switch removes the auxiliary winding and capacitor when the motor approaches full load speed. The design is a heavy-duty unit which has approximately 300% (of full load) starting torque. Common applications include compressors, pumps, conveyors and other "hard-to-start" applications.

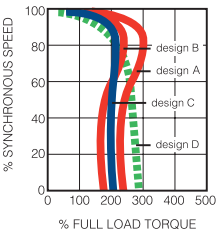
Capacitor Start/Capacitor Run

This design has two capacitors of different values. A centrifugal switch is used to remove the electrolytic capacitor when the motor approaches full load speed. A second run capacitor remains in series with the auxiliary winding during full load operation. This type of design has lower full-load amps as a result of the run capacitor and is consequently used on most higher horsepower single phase motors.



Permanent Split Capacitor (PSC)

This design has an auxiliary winding with a "run" capacitor, but unlike the capacitor start/induction run motor, the capacitor and auxiliary winding remain in the circuit under running conditions. (There is no centrifugal switch on this type motor.) A permanent split capacitor design has low starting torque and low starting current. They are generally used on direct-drive fans and blowers. They can also be designed for higher starting torque and intermittent applications, where rapid reversing is desired.

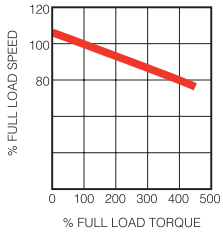


Three Phase or Polyphase

General purpose three phase motors have different electrical design classifications as defined by NEMA®. NEMA Design A and B motors are of normal starting torque with normal starting current. NEMA Design C motors have higher starting torque with normal starting current. All three types have slip of less than 5%. ("Slip" being a term which expresses, as a percentage, the difference between synchronous motor speed and full load motor speed, for example, 1800 rpm synchronous versus a full load speed of 1740 rpm.

NEMA's Design B and C standards are minimum performance standards. In practice, some manufacturers (including LEESON) build small integral HP Design B motors with locked rotor and breakdown torque levels equalling NEMA Design C standards.

NEMA T frame motors 1 through 200 HP *covered* by EPAct (identified with a "G" catalog prefix) are labeled Design B, exceed NEMA Design B performance levels, and have efficiencies equal to EPAct mandated levels. EPAct *exempt* three phase, base-mounted motors are labeled Design C and have performance characteristics meeting NEMA's Design C standards, with standard motor efficiencies. Motors 250 HP and larger are exempt from EPAct legislation.



Permanent Magnet DC

This design has linear speed/torque characteristics over the entire speed range. SCR rated motor features include high starting torque for heavy load applications and dynamic braking, variable speed and reversing capabilities. Designs are also available for use on generated low voltage DC power or remote applications requiring battery power.

ELECTRICAL AND PERFORMANCE CHARACTERISTICS

One of the best ways to guarantee economical performance and long motor life is to make sure your motors operate at nameplate voltage. Applying too high a voltage may reduce the motor's efficiency and increase operating temperatures. The net result is shorter motor life.

Under-voltage can also shorten motor life. Operating on too low a voltage reduces the motor's effective horsepower. The motor will attempt to drive the load it was intended to drive, become overloaded, draw more current than normal, and overheat. Again, the result will be premature failure.

ENCLOSURES AND ENVIRONMENT

DRIP-PROOF: Venting in end frame and/or main frame located to prevent drops of liquid from falling into motor within a 15˚ angle from vertical. Designed for use in areas that are reasonably dry, clean, and well ventilated (usually indoors). If installed outdoors, it is recommended that the motor be protected with a cover that does not restrict the flow of air to the motor.

TOTALLY ENCLOSED AIR OVER (TEAO): Dust-tight fan and blower duty motors designed for shaft mounted fans or belt driven fans. The motor must be mounted within the airflow of the fan.

TOTALLY ENCLOSED NON-VENTILATED (TENV): No vent openings, tightly enclosed to prevent the free exchange of air, but not airtight. Has no external cooling fan and relies on convection for cooling. Suitable for use where exposed to dirt or dampness, but not for hazardous (explosive) locations.

TOTALLY ENCLOSED FAN COOLED (TEFC): Same as the TENV except has external fan as an integral part of the motor, to provide cooling by blowing air around the outside frame of the motor.

TOTALLY ENCLOSED, HOSTILE AND SEVERE ENVIRONMENT MOTORS: Designed for use in extremely moist or chemical environments, but not for hazardous locations.

TOTALLY ENCLOSED BLOWER COOLED MOTORS (TEBC): Used to extend the safe speed range of inverter-fed motors. Similar to TEFC except a small, constant-speed fan provides uniform airflow regardless of the drive motor's operating speed.

EXPLOSION-PROOF MOTORS: These motors meet Underwriters Laboratories and Canadian Standards Association standards for use in hazardous (explosive) locations, as indicated by the UL label affixed to the motor. Locations are considered hazardous because the atmosphere doesor may contain gas, vapor, or dust in explosive quantities.

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Technical Information

NEMA® SERVICE FACTORS

HP	Enclosure	RPM		
		3600	1800	1200
1/4 -1/3	Open	1.35	1.35	1.35
1/2 - 3/4	Open	1.25	1.25	1.25
1 & Larger	Open	1.15	1.15	1.15
All	Totally Enclosed	1.00	1.00	1.00

Most LEESON® Totally Enclosed Motors have 1.15 Service Factor. Refer to the Service Factor information on each page to identify specific totally enclosed motors with NEMA 1.00 Service Factor or LEESON 1.15 Service Factor. All drip-proof motors have NEMA Service Factors of 1.15 or higher. All three phase totally enclosed motors have NEMA Service Factors of 1.15 except when noted ([]).

SCR PM DC MOTORS ON PWM POWER SUPPLIES

Pulse width modulated DC controls have a voltage output similar to pure direct current which has a form factor of 1.00. SCR thyristor drives, such as the SPEEDMASTER® controls, have a form factor of 1.4.

LEESON® stock SCR rated motors can also be used with PWM controls. In fact, the motor's HP rating can be increased because of less heating in the motor. In addition, the motor will operate quieter and the brush life will be extended.

Rated HP 1.40 FF	Rated RPM	Rated Volts	Catalog Number	Rated HP 1.05 FF
1/4	1750	90	098002	0.40
1/4	1750	180	098003	0.50
1/3	1750	90	098004	0.50
1/3	1750	90	108424	0.56
1/3	1750	180	098005	0.50
1/2	2500	90	098006	0.75
1/2	2500	180	098007	0.70
1/2	1750	90	098000	0.70
1/2	1750	90	108014	0.75
1/2	1750	90	108226	0.75
1/2	1750	180	098008	0.56
1/2	1750	180	108015	0.70
1/2	1750	180	108227	0.70
3/4	2500	90	098009	1.00
3/4	2500	90	108016	1.00
3/4	2500	180	098010	1.00
3/4	2500	180	108017	0.86
3/4	1750	90	098032	1.00
3/4	1750	90	108018	1.00
3/4	1750	90	108228	1.25
3/4	1750	180	098069	1.00
3/4	1750	180	108019	1.00
3/4	1750	180	108229	1.25
1	2500	90	108020	1.50
1	2500	180	108021	1.50
1	1750	90	108022	1.25
1	1750	90	108230	1.25
1	1750	180	108023	1.25
1	1750	180	108231	1.25
1 1/2	2500	180	108265	2.00
1 1/2	1750	180	108092	1.75
1 1/2	1750	180	108262	1.75
1 1/2	1750	180	108232	1.75
1 1/2	1750	180	128000	–
2	2500	180	108266	3.00
2	1750	180	128001	–
2	1750	180	128010	–
3	2500	180	128008	–
3	1750	180	108502	–

METRIC (IEC) DESIGNATIONS

The International Electrotechnical Commission (IEC) is a European-based organization that publishes and promotes worldwide mechanical and electrical standards for motors, among other things. In simple terms, it can be said that IEC is the international counterpart to the National Electrical Manufacturers Association (NEMA), which publishes the motor standards used in the United States.

IEC standards are expressed in metric units.

IEC ENCLOSURE PROTECTION INDEXES

Like NEMA, IEC has designations indicating the protection provided by a motor's enclosure. However, where NEMA designations are word descriptive, such as Open Drip-Proof or Totally Enclosed Fan Cooled. IEC uses a two-digit Index of Protection (IP) designation. The first digit indicates how well-protected the motor is against the entry of solid objects, the second digit refers to water entry.

By way of general comparison, an IP22 motor relates to Open Drip-Proof, IP54 to totally enclosed.

Protection Against Solid Objects		Protection Against Liquids	
No.	Definition	No.	Definition
0	No protection	0	No protection
1	Protected against solid objects of over 50 mm (e.g. accidental hand contact)	1	Protected against water vertically dripping (condensation)
2	Protected against solid objects of over 12 mm (e.g. finger)	2	Protected against water dripping up to 15° from the vertical
3	Protected against solid objects of over 2.5 mm (e.g. tools, wire)	3	Protected against rain falling at up to 60° from the vertical
4	Protected against solid objects of over 1 mm (e.g. thin wire)	4	Protected against water splashes from all directions
5	Protected against dust	5	Protected against jets of water from all directions
6	Totally protected against dust	6	Protected against jets of water comparable to heavy seas
		7	Protected against the effects of immersion to depths of between 0.15 and 1m
		8	Protected against the effects of immersion of depths greater than 1 m

IEC DESIGN TYPES

The electrical performance characteristics of IEC Design N motors in general mirror those of NEMA Design B—the most common type of motor for industrial applications. By the same token, the characteristics of IEC Design H are nearly identical to those of NEMA Design C. There is no specific IEC equivalent to NEMA Design D.

MOTOR EFFICIENCY TEST METHODS

Performance data of single phase motors is determined by using I.E.E.E. Std. 114 (Method B), three phase motors by I.E.E.E. Std. 112 (Method B). Motor efficiency is calculated using CSA C390. These testing methods meet the requirements of EPAct of 1992 and most utility companies.

For complete performance data on all LEESON motors, please review the Find-A-Product section on *www.leeson.com*.

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Motors Designed For Use In The Automotive Industry

Automotive Duty 56 frame and U Frame motors (pages 233-240) are designed to meet automotive industry specifications from General Motors (GM-7EQ, GM-7EH), Ford (EM1) and Chrysler (NPEM-100). Actual qualifications for individual ratings are indicated in the footnotes on the price pages.

Automotive Duty T Frame motors are designed to meet or exceed Ford EM1-1996 specification(see footnotes on the price pages).

UL Recognized Component Listing

Low voltage (< 600 V) motors in frames 48-449T and 182U-445U listed in this catalog (excludes REW, SREW, SEW, SSEW, MD and SE models) carry UL Recognized Component Listing (contact Lincoln for file number).

Web: www.ul.com

NAFTA

A NAFTA (North American Free Trade Agreement) Certificate of Origin can be supplied on request.

Canadian Standards Association (CSA)

Low voltage (< 600 V) motors in frames 48-449T and 182U-445U listed in this catalog have Canadian Standards Association approval (contact Lincoln for file number).

Web: www.csa-international.org

CE (Conformité Européene)

Lincoln offers a variety of CE-compliant motors. Copies of Lincoln's Declaration of Conformity for the Low Voltage Directive and Manufacturer's Declaration for the Machinery Directive are available on request.

Motors for Hazardous Locations

NEMA defines an explosion-proof motor as follows: "a totally-enclosed machine designed and constructed to withstand an explosion of a specified gas or vapor which may occur within it and to prevent ignition of specified gas or vapor surrounding the machine by sparks, flashes or explosions of the specified gas or vapor which may occur within the machine casing".

Typical applications include petroleum and chemical plants or pipelines, gasoline pumps and natural gas compressors.

A **dust-ignition-proof** motor is "a totally enclosed machine whose enclosure is designed and constructed in a manner which will exclude ignitable amounts of dust or amounts which might affect performance or rating, and which will not permit arcs, sparks, or heat otherwise generated or liberated inside of the enclosure to cause ignition of exterior accumulations or atmospheric suspensions of a specific dust on or in the vicinity of the enclosure. Successful operation of this type of machine requires avoidance of overheating from such causes as excessive overloads, stalling, or accumulation of excessive quantities of dust on the machine".

Typical applications include grain elevators, coal handling equipment, feed and cereal mills, sugar refineries and chemical plants. Both types of motors are submitted to Underwriters Laboratories (UL) for approval.

The following is a brief description of the hazardous locations of both gaseous and dusty atmospheres as classified by the National Fire Protection Association's (NFPA) National Electrical Code (NEC) and printed from the 1996 Handbook. Consult the National Electrical Code for more information on explosion proof regulations.

Class 1 Group Classifications:

Class C - Atmospheres containing ethyl ether, ethylene, or gases or vapors of equivalent hazard.

Class D - Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methanol, methane, natural gas, naphtha, propane,or gases or vapors of equivalent hazard.

Class 2 Group Classifications:

Group F - atmospheres containing carbonaceous dusts, including carbon black, charcoal, coal or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.

Group G - atmospheres containing combustible dusts not included in Group E or F, including flour, grain, wood, plastic, and chemicals.

BAKING INDUSTRY SANITATION STANDARDS COMMITTEE

WASHGUARD® II, stainless steel washdown duty motors, NEMA frames 56, 143T, 145T, 182T and 184T are certified to Standard No. 29 for Electric Motors and Accessory Equipment, authorization number 769. The WBMQ Series of gear reducers are BISSC certified to Standard No. 29 for Electric Motors and Accessory Equipment, authorization number 941.

SAUDI ARABIAN STANDARDS ORGANIZATION

SCCP Ref. No.: R-100157

U.S. DEPARTMENT OF ENERGY (DOE)

Compliance Certification (CC) number: CC005A

The CE Mark

CE is an acronym for the French phrase *"Conformite Europeene"* and is similar to the UL or CSA marks of North America. However, unlike UL or CSA which require independent laboratory testing, the CE mark can be applied by the motor manufacturer through "self certifying" that its products are designed to the appropriate standards. The European Union has issued 24 directives related to the **CE** mark. Three Directives apply to electric motors.

Low Voltage Directive (2006/95/EC) This directive applies to electrical equipment operating in the voltage range of 50-1000 volts AC or 75-1500 volts DC. Virtually all LEESON® motors (except low voltage DC) are included in this directive.

Based on our testing to the applicable electrical and mechanical standards EN60034 and IEC 34, LEESON certifies conformity to this directive. All three phase 50 Hz stock motors comply with the nameplate designations, lead markings and connection diagrams required. A "Declaration of Conformity" accompanies these motors and a CE label is applied.

Machinery Directive (89/3392/EEC) This directive applies to machinery that may contain certain motors. This is an issue with equipment manufacturers and requires the use of a motor meeting the Low Voltage Directive and requires a "Declaration of Incorporation" document which means that only the motor complies with the requirements of the Low Voltage Directive. A CE label is applied to the motor but it remains the responsibility of the equipment manufacturer to obtain certification for the finished product.

Electromagnetic Compatibility (EMC) Directive (2004/108/EC) This directive addresses the final product and is again a concern for the equipment manufacturer. Since this Directive addresses electromagnetic interference (EMI) concerns, it does not affect three phase AC motors because they do not produce EMI. DC motors, however, do produce EMI. How much of the "noise" is emitted outside the machine depends on a host of factors. LEESON's Engineering Department can assist OEM's in applying DC motors in machinery destined for Europe and requiring certification to the EMC Directive.

CE CONFORMITE EUROPEENE

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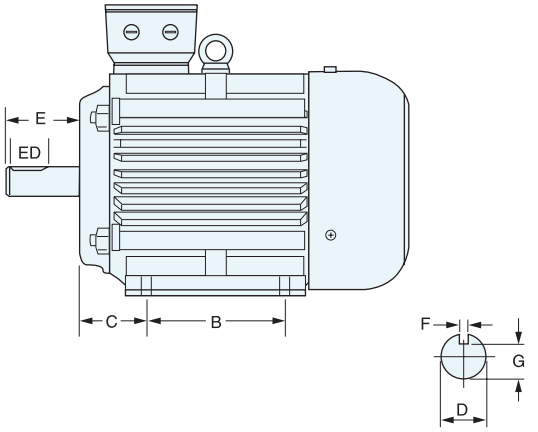
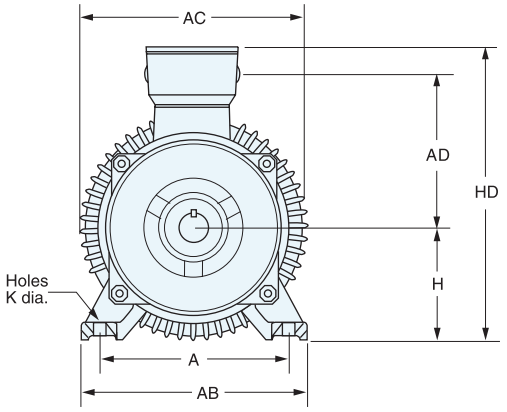
Technical Information

Dimensions - AC Metric (IEC) Motors

B3 FOOT-MOUNTED

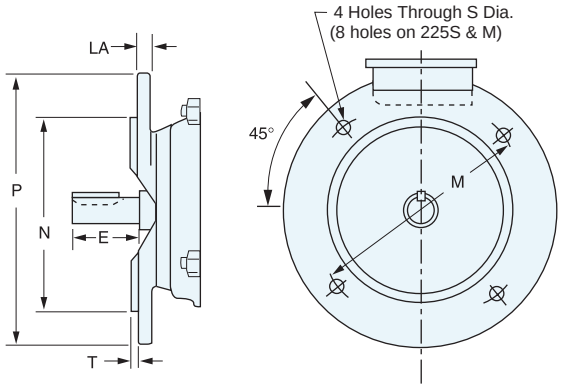




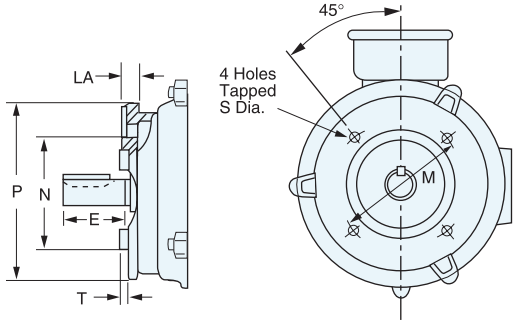
METRIC (IEC) FRAME DIMENSIONS (Millimeters)

Frame	Mounting						Shaft						General			B5 Flange						B14 Face					
	A	B	C	H	AB	K	D	E	F	G	ED	DH	AC	AD	HD	M	N	P	S	T	LA	M	N	P	S	T	LA
D56	90	71	36	56	107	6	9	20	3	7.5	8	M3 x 8	–	–	–	100	80	120	7	2.5	7	65	50	80	M5	2.5	7
D63	100	80	40	63	122	7	11	23	4	8.5	10	M4 x 10	126	84	171	115	95	140	10	3.0	7	75	60	90	M5	2.5	7
D71	112	90	45	71	136	7	14	30	5	11.0	20	M5 x 12.5	141	94	191	130	110	160	10	3.5	7	85	70	105	M6	2.5	9
D80	125	100	50	80	154	10	19	40	6	15.5	25	M6 x 16	159	102	206	165	130	200	12	3.5	12	100	80	120	M6	3.0	9
D90S	140	100	56	90	172	10	24	50	8	20.0	32	M8 x 19	180	112	229	165	130	200	12	3.5	12	115	95	140	M8	3.0	9
D90L	140	125	56	90	172	10	24	50	8	20.0	32	M8 x 19	180	112	229	165	130	200	12	3.5	12	115	95	140	M8	3.0	9
DF100L	160	140	63	100	205	12	28	60	8	24.0	40	M10 x 22	205	130	270	215	180	250	15	4.0	11	130	110	160	M8	3.5	14
DF112M	190	140	70	112	230	12	28	60	8	24.0	40	M10 x 22	240	150	300	215	180	250	15	4.0	12	130	110	160	M8	3.5	11
DF132S	216	140	89	132	270	12	38	80	10	33.0	56	M12 x 28	275	180	345	265	230	300	15	4.0	12	165	130	200	M10	3.5	14
DF132M	216	178	89	132	270	12	38	80	10	33.0	56	M12 x 28	275	180	345	265	230	300	15	4.0	12	165	130	200	M10	3.5	14
DF160M	254	210	108	160	320	15	42	110	12	37.0	80	M16 x 36	330	210	420	300	250	350	19	5.0	13	215	180	250	M12	4.0	13
DF160L	254	254	108	160	320	15	42	110	12	37.0	80	M16 x 36	330	210	420	300	250	350	19	5.0	13	215	180	250	M12	4.0	13
DF180M	279	241	121	180	355	15	48	110	14	42.5	80	M16 x 36	360	236	455	300	250	350	19	5.0	15	–	–	–	–	–	–
DF180L	279	279	121	180	355	15	48	110	14	42.5	80	M16 x 36	360	236	455	300	250	350	19	5.0	15	–	–	–	–	–	–
DF200L	318	305	133	200	395	19	55	110	16	49.0	100	M20 x 42	420	260	505	350	300	400	19	5.0	18	–	–	–	–	–	–
DF225S	356	286	149	225	435	19	55*/ 60	110*/ 140	16*/ 18	49*/ 53	100*/ 125	M20 x 42	450	275	580	400	350	450	19	5.0	18	–	–	–	–	–	–
DF225M	356	311	149	225	435	19	55*/ 60	110*/ 140	16*/ 18	49*/ 53	100*/ 125	M20 x 42	450	275	580	400	350	450	19	5.0	18	–	–	–	–	–	–
DF250M	406	349	168	250		24	60*/ 65	140*/ 140	18*/ 18	53*/ 58	125*/ 125	M20 x 42	508	300	625	–	–	–	–	–	–	–	–	–	–	–	–

* 2 Pole Dimensions
For overall length dimensions for our IEC motors, please refer to our IEC motor section of this catalog.
Frames DF100L through DF132M, conduit box is located in the center of the frame.

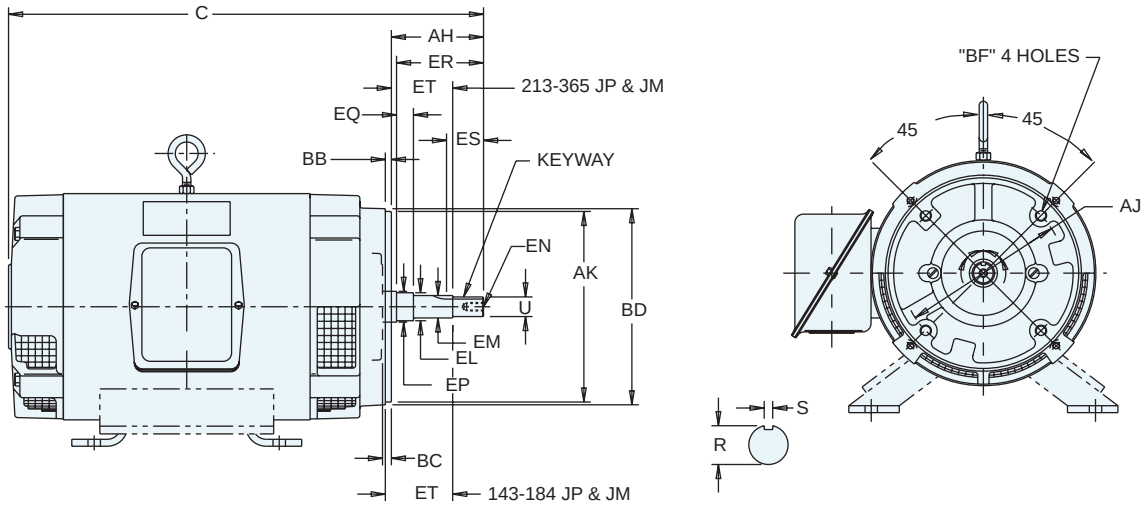


B5 FLANGE



B14 FACE

TYPICAL CLOSE COUPLED PUMP MOTOR



Dimensions for Type JM

Frame Desig.	U	AH	AJ	AK	BB	BD Max.	BF No.	BF Tap Size	BF Bolt Pen. Allow.	EL	EM	EN Tap Size	EN Tap Drill Depth Max.	EN Bolt Pen. Allow.	EP Min.	EQ	ER Min.	Keyseat R	Keyseat ES Min.	Keyseat S	ET
143 & 145JM	0.8745 0.8740	4.15 4.10	5.890 5.860	4.500 4.497	0.150 0.10	6.62	4	3/8-16	0.56	1.156 1.154	1.0000 0.9995	3/8-16	1.12	0.75	1.156	0.640 0.610	4.25	0.771 0.756	1.65	0.190 0.188	2.890 2.860
182 & 184JM	0.8745 0.8740	4.13 4.09	5.89 5.86	4.500 4.497	0.16 0.125	6.62	4	3/8-16	0.56	1.250 1.248	1.0000 0.9995	3/8-16	1.12	0.75	1.250	0.640 0.610	4.25	0.771 0.756	1.65	0.190 0.188	2.890 2.860
213 & 215JM	0.8750 0.8745	4.25	7.265 7.235	8.500 8.497	0.312 0.250	9.00	4	1/2-13	0.75	1.250 1.248	1.0000 0.9995	3/8-16	1.12	0.75	1.750	0.640 0.610	4.25	0.771 0.756	1.65	0.190 0.188	2.890 2.860
254 & 256JM	1.2495 1.2490	5.25	7.250	8.500 8.497	0.312 0.250	10.00	4	1/2-13	0.75	1.750 1.748	1.3750 1.3745	1/2-13	1.50	1.00	1.750	0.640 0.610	5.25	1.112 1.097	2.53	0.252 0.250	3.015 2.985
284 & 286JM	1.2495 1.2490	5.281 5.219	11.00	12.500 12.495	0.312 0.250	14.00	4	5/8-11	0.94	1.750 1.748	1.3750 1.3745	1/2-13	1.50	1.00	2.125	0.645 0.605	5.25	1.112 1.097	2.53	0.252 0.250	3.020 2.980
324 & 326JM	1.2495 1.2490	5.281 5.219	11.00	12.500 12.495	0.312 0.250	14.00	4	5/8-11	0.94	1.750 1.478	1.3750 1.3745	1/2-13	1.50	1.00	2.125	0.645 0.605	5.25	1.112 1.097	2.53	0.252 0.250	3.020 2.980

Dimensions for Type JP

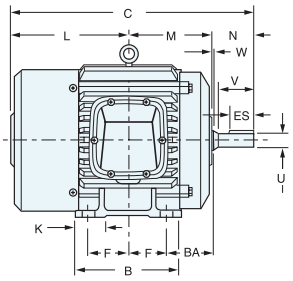
Frame Desig.	U	AH	AJ	AK	BB	BD Max.	BF No.	BF Tap Size	BF Bolt Pen. Allow.	EL	EM	EN Tap Size	EN Tap Drill Depth Max.	EN Bolt Pen. Allow.	EP Min.	EQ	ER Min.	Keyseat R	Keyseat ES Min.	Keyseat S	ET
143 & 145JP	0.8745 0.8740	7.19 7.15	5.890 5.860	4.500 4.497	0.156 0.125	6.62	4	3/8-16	0.56	1.156 1.154	1.0000 0.9995	3/8-16	1.12	0.75	1.156	1.578 1.548	7.312	0.771 0.756	1.65 1.65	0.190 0.188	5.952 5.922
182 & 184JP	0.8745 0.8740	7.21 7.15	5.890 5.860	4.500 4.497	0.156 0.100	6.62	4	3/8-16	0.56	1.250 1.248	1.0000 0.9995	3/8-16	1.12	0.75	1.250	1.578 1.548	7.312	0.771 0.756	1.65	0.190 0.188	5.952 5.922
213 & 215JP	1.2495 1.2490	8.12	7.250	8.500 8.497	0.312 0.250	9.00	4	1/2-13	0.75	1.750 1.748	1.3750 1.3745	1/2-13	1.50	1.00	1.750	2.390 2.360	8.125	1.112 1.097	2.53	0.252 0.250	5.890 5.860
254 & 256JP	1.2495 1.2490	8.156 8.094	7.250	8.500 8.497	0.312 0.250	10.00	4	1/2-13	0.75	1.750 1.748	1.3750 1.3745	1/2-13	1.50	1.00	1.750	2.390 2.360	8.125	1.112 1.097	2.53	0.252 0.250	5.890 5.855
284 & 286JP	1.2495 1.2490	8.156 8.094	11.00	12.500 12.495	0.312 0.250	14.00	4	5/8-11	0.94	1.750 1.748	1.3750 1.3745	1/2-13	1.50	1.00	2.125	2.390 2.360	8.125	1.112 1.097	2.53	0.252 0.250	5.895 5.860
324JP & 326JP	1.2495 1.2490	8.12	11.00	12.500 12.495	0.312 0.250	14.00	4	5/8-11	0.94	1.750 1.748	1.3750 1.3745	1/2-13	1.50	1.00	2.125	2.395 2.355	8.125	1.112 1.097	2.53	0.252 0.250	5.895 5.855
364JP & 365JP	1.6245 1.6240	8.12	11.00	12.500 12.495	0.312 0.250	14.00	4	5/8-11	0.94	2.125 2.13	1.7500 1.7495	1/2-13	1.50	1.00	2.500	2.395 2.355	8.125	1.416 1.401	2.53	0.377 0.375	5.895 5.855

All dimensions are measured in inches. For "C" dimensions, refer to the appropriate catalog page. Certified drawings are available upon request - contact LEESON for details.

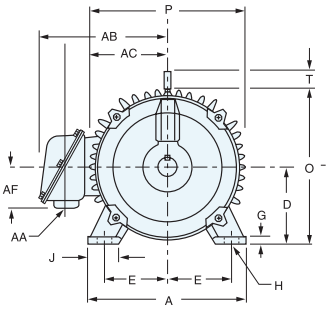
Technical Information

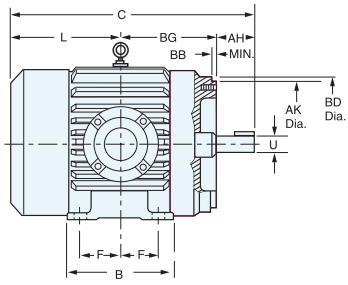
Dimensions - NEMA® Explosion Proof - 158 Series

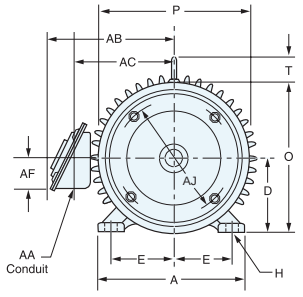
RIGID MOUNT 158 SERIES



C FACE 158 SERIES







NEMA EXPLOSION-PROOF • 158 SERIES • RIGID MOUNT DIMENSIONS (Inches)

Frame Size	A	B	D	E	F	G	H	J	K	L	M	N	O	P	T	U	V	N-W	ES	AA	AB	AC	AF	BA	KEY
182T	9	6	4 1/2	3 3/4	2 1/4	7/16	7/16	1 3/4	1 7/8	6 13/16	4 15/16	2 13/16	9 1/8	9 1/4	—	1.125	2 1/2	2 3/4	1 7/8	3/4	7 13/16	6 9/16	3 1/8	2 3/4	
184T		7			2 3/4					7 5/16	5 7/16	2 15/16													
213T	10 1/2	7	5 1/4	4 1/4	2 3/4	7/16	7/16	2	1 7/8	8 1/8	6 3/16	3 7/16	10 1/2	10 1/2	2 5/16	1.375	3 1/8	3 1/4	2 7/16	1	9 1/4	7 5/8	3 1/2	3 1/2	5/16
215T		8 1/2			3 1/2					8 7/8	6 15/16														
254T	12 1/2	10 1/4	6 1/4	5	4 1/8	5/8	9/16	2 1/2	2 5/8	10 3/8	8 5/16	4 1/16	12 1/2	12 1/2	2 5/16	1.625	3 3/4	3 7/8	2 15/16	1 1/4	10 1/4	8 7/8	3 7/8	4 1/4	
256T		12			5					11 1/4	9 3/16														
284T	13 3/4	11 1/2	7	5 1/2	4 3/4	5/8	9/16	2 1/2	2 3/4	11 13/16	9 7/16	4 11/16	14	14	2 7/16	1.875	4 3/8	4 1/2	3 1/4	1 1/2	12 1/8	10	4 7/16	4 3/4	1/2
284TS												3 5/16				1.625	3	3 1/8	1 15/16						3/8
286T		13			5 1/2					12 9/16	10 3/16	4 11/16				1.875	4 3/8	4 1/2	3 1/4						1/2
286TS												3 5/16				1.625	3	3 1/8	1 15/16						3/8
324T	15 1/2	13 1/4	8	6 1/4	5 1/4	5/8	11/16	2 3/4	3 1/8	13 3/16	10 7/16	5 5/16	16	16	2 5/8	2.125	5	5 1/8	4	2	14 3/8	11 3/4	5 3/8	5 1/4	
324TS												3 13/16				1.875	3 1/2	3 5/8	2						
326T		14 3/4			6					13 15/16	11 3/16	5 5/16				2.125	5	5 1/8	3						
326TS												3 13/16				1.875	3 1/2	3 5/8	2 1/16						
364T	17	15	9	7	5 5/8	7/8	11/16	2 3/4	3 7/8	16 1/16	11 3/8	6	18 1/2	19	12 7/8	2.375	5 5/8	5 3/4	4 1/4	3	16 1/16	13 5/16	6 7/8	5 7/8	5/8
364TS												3 7/8				1.875	3 1/2	3 5/8	2 1/16						1/2
365T					6 1/8					15 9/16	11 7/8	6				2.375	5 5/8	5 3/4	4 1/4						5/8
365TS								3 3/4				3 7/8				1.875	3 1/2	3 5/8	2 1/16						1/2
405T	19	16	10	8	6 7/8	1 1/8	13/16	3 1/4	3 1/4	17 9/16	13 1/8	7 5/8	21 5/16	22 5/16	2 15/16	2.875	7	7 1/8	5 11/16	4	16 3/8	13 1/4	7 1/2	6 5/8	3/4
405TS												4 5/8				2.125	4	4 1/8	2 7/8						1/2

NEMA EXPLOSION-PROOF • 158 SERIES • C FACE DIMENSIONS (Inches)

Frame Size	A	B	D	E	F	H	L	O	P	T	U	V	AH	AJ DIA.	AJ BARR.	BB	AK	BD	BG	AA	AB	AC	AF	KEYWAY
182T	9	6	4 1/2	3 3/4	2 1/4	7/16	6 5/8	9 1/8	9 1/4	—	1.1250	2 1/2	2 5/8	7 1/4	4	9/32	8.500	8 3/4	5 7/8	3/4	9 3/8	7 1/8	2 1/2	1/4
184T		7			2 3/4		7 1/8												6 3/8					

The condensed dimensions shown on these pages are for general reference only and are not for construction. The overall length or "C" dimension for each catalog item is included in this catalog. Certified drawings of all ratings are available for construction purposes.

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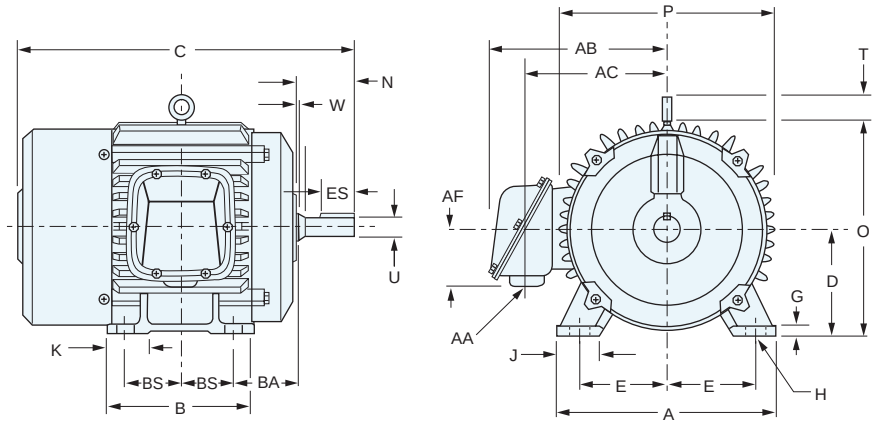
LEESON®

RIGID MOUNT G-SERIES



NEMA EXPLOSION-PROOF • RIGID MOUNT DIMENSIONS (Inches)

Frame Size	A	B	D	E	2F*	G	H	J	K	N	O	P	T	U	N-W	ES	AA	AB	AC	AF	BA	BS	KEY	C Dim
182T	8.88	7.75	—	3.75	6.75	0.45	0.41-0.46	1.56	—	2.78	9.36	9.76	2.62	1.125	2.75	1.75	0.75	9.73	7.13	—	2.75	3.37	0.25	17.12
184T																								
213T	10.38	8.50	5.19	4.25	7.00	0.60	0.44	1.87	_	3.41	10.60	11.50	2.62	1.375	3.38	2.38	0.75	10.94	8.32	2.55	3.50	3.50	0.31	20.18
215T			5.25																					
254T	12.12	10.25	6.19	5.00	8.25	0.55	0.53-0.58	2.08	—	4.19	14.07	14.12	—	1.625	4.00	2.88	1.25	13.67	10.65	3.12	4.25	4.12	0.38	23.52
256T			6.25		10.00																	5.00		25.27
284T	13.00	11.50	6.94	5.50	9.50	0.88	0.53-0.58	2.50	2.50	4.81	14.74	15.50	3.25	1.875	4.62	3.25	1.50	15.33	11.44	5.38	4.75	4.75	0.50	26.30
284TS										3.44				1.625		1.88							0.38	24.94
286T		13.00	7.00		11.00					4.81				1.875		3.25						5.50	0.50	27.80
286TS										3.44				1.625		1.88							0.38	26.44
324T	15.75	13.00	7.94	6.25	10.50	0.86	0.66-0.71	3.50	—	5.50	17.10	16.00	3.25	2.125	5.25	3.88	2.00	16.50	12.64	5.38	5.25	5.25	0.50	28.87
324TS										4.00				1.875	3.75	2.00								27.37
326T		14.50	8.00		12.00					5.50				2.125	5.25	3.88						6.00	0.50	30.37
326TS										4.00				1.875	3.75	2.00								28.87
364T	17.75	13.25	8.94	7.00	11.25	1.12	0.66-0.71	4.00	3.25	6.12	19.00	20.00	3.62	2.375	5.88	4.24	2.50	19.75	14.50	5.38	5.88	5.62	0.62	31.50
364TS										4.00				1.875	3.75									29.38
365T		14.25	9.00		12.25					6.12				2.375	5.88							6.12		32.50
365TS										4.00				1.875	3.75									30.38
405T	19.25	16.25	—	8.00	13.75	1.12	0.81-0.86	4.25	3.75	7.50	20.87	21.75	3.62	2.875	7.25	5.62	2.50	21.50	16.38	5.38	6.62	6.88	0.75	37.12
405TS										4.50				2.125	4.25	2.75							0.50	34.12
444T	21.50	18.00	10.94	9.00	14.50	1.25	0.81-0.86	3.75	4.50	8.75	23.12	24.25	3.62	3.375	8.50	6.88	2.50	22.75	17.50	5.38	7.50	7.25	0.88	41.25
444TS										5.00				2.375	4.75	3.00							0.62	37.50
445T		19.75	11.00		16.50	1.22			5.12	8.75	24.11	26.31	2.44	3.375	8.50	6.88	3.00	27.24	20.06	6.18		8.25	0.88	43.19
445TS										5.00				2.375	4.75	3.00							0.62	39.44
449T		28.25			25.00	1.25			9.88	8.75	24.19	26.31	0.77	3.375	8.50	6.88		26.09	18.88			1.78	0.88	51.69
449TS										5.00				2.375	4.75	3.00							0.62	47.97

* 182-4T and 213-5T frames have eight-hole bases. 449T and TS frames have six-hole bases. Others have four-hole bases.

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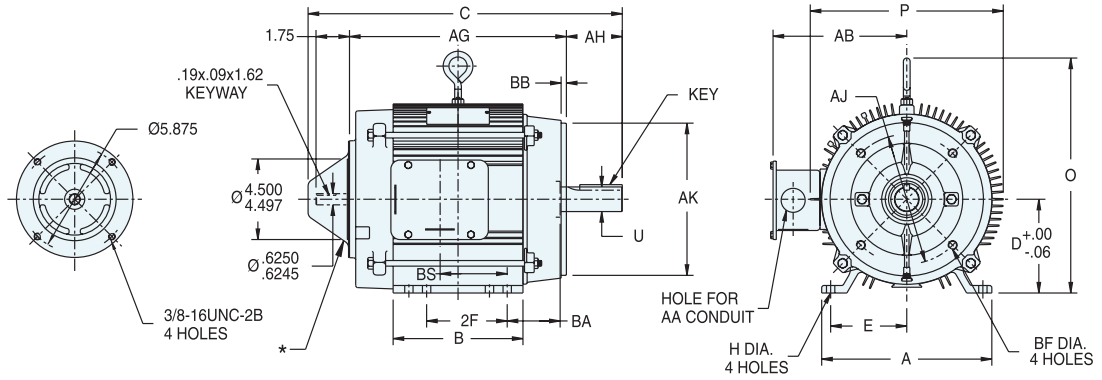
Technical Information

Dimensions - Speedmaster® Inverter Duty Motors

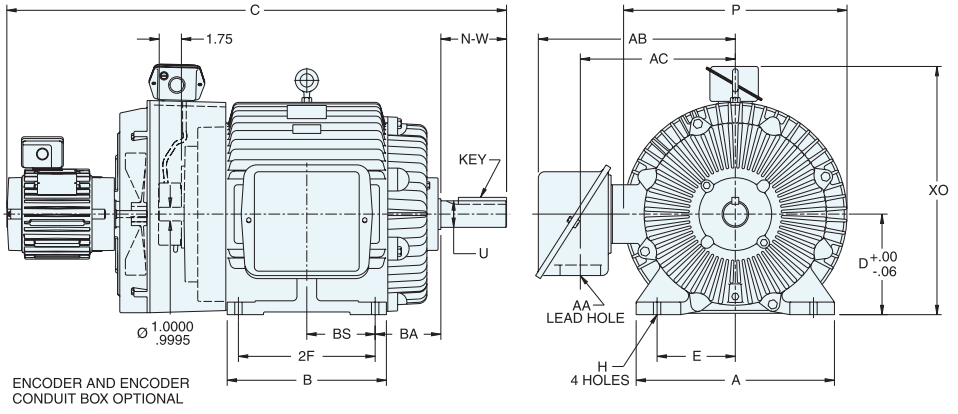
TENV—C FACE, RIGID BASE



TENV • C FACE • RIGID BASE • DIMENSIONS (Inches)

Frame Size	D	E	2F	H	O MAX.	P MAX.	U	AA	AB MAX.	AG MAX.	AH	AJ	AK	BA	BB	BF	BS	KEY
143TC	3.50	2.75	4.00	.38	7.45	7.98	.875	1.09	7.04	9.25	2.12	5.875	4.50	2.62	.13	3/8-16	2.81	.19 x .19 x 1.38
145TC	3.50	2.75	5.00	.35	7.45	7.98	.875	1.09	7.04	10.25	2.12	5.875	4.50	2.62	.13	3/8-16	3.81	.19 x .19 x 1.38
182TC	4.50	3.75	4.50	.41	9.36	9.76	1.125	1.09	8.08	11.75	2.62	7.250	8.50	3.50	.27	1/2-13	2.25	.25 x .25 x 1.75
184TC	4.50	3.75	5.50	.41	9.36	9.76	1.125	1.09	8.08	12.75	2.62	7.250	8.50	3.50	.27	1/2-13	2.75	.25 x .25 x 1.75
213TC	5.25	4.25	5.50	.44	10.97	11.50	1.375	1.09	9.31	15.12	3.12	7.250	8.50	4.25	.27	1/2-13	3.50	.31 x .31 x 2.38
215TC	5.25	4.25	7.00	.44	10.97	11.50	1.375	1.09	9.31	17.31	3.12	7.250	8.50	4.25	.27	1/2-13	6.18	.31 x .31 x 2.38
254TC	6.25	5.00	8.25	.53	14.09	14.27	1.625	1.25	9.83	19.06	3.75	7.250	8.50	4.75	.27	1/2-13	6.31	.38 x .38 x 2.88
256TC	6.25	5.00	10.00	.56	14.09	14.27	1.625	1.25	11.08	18.82	3.75	7.250	8.50	4.75	.27	1/2-13	5.00	.38 x .38 x 2.88
284TC	7.00	5.50	9.50	.56	14.16	14.32	1.875	1.50	12.31	20.57	4.38	9.000	10.50	4.75	.27	1/2-13	5.50	.50 x .50 x 3.25

TEBC—TOTALLY ENCLOSED BLOWER COOLED, RIGID BASE



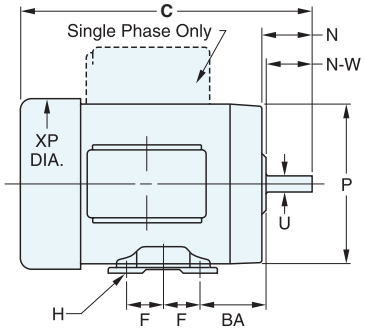
TEBC • TOTALLY ENCLOSED BLOWER COOLED • RIGID BASE • DIMENSIONS (Inches)

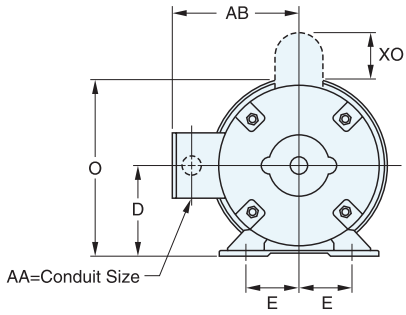
Frame Size	D	E	2F	H	O MAX.	P MAX.	U	AA	AB MAX.	AC MAX.	BA	BS	FU	N-W	KEY
325T	8.00	6.25	10.50	.66	16.00	15.88	2.12	2.00	13.69	10.69	5.25	5.25	1.00	5.25	.50 x .50 x 3.88
326T	8.00	6.25	12.00	.66	16.00	15.88	2.12	2.00	13.69	10.69	5.25	6.00	1.00	5.25	.50 x .50 x 3.88
364T	9.00	7.00	11.25	.66	19.00	20.00	2.38	3.62	17.85	14.56	5.88	5.62	1.00	5.88	.62 x .62 x 4.25
365T	9.00	7.00	12.25	.66	19.00	20.00	2.38	3.62	17.85	14.56	5.88	6.12	1.00	5.88	.62 x .62 x 4.25
404T	10.00	8.00	12.25	.81	20.88	21.75	2.88	3.62	18.75	14.75	6.62	6.12	1.00	7.25	.75 x .75 x 5.62
405T	10.00	8.00	13.75	.81	20.88	21.75	2.88	3.62	19.75	16.25	6.62	6.88	1.00	7.25	.75 x .75 x 5.62
444T	11.00	9.00	14.50	.81	24.19	25.31	3.38	3.62	20.94	17.38	7.50	7.25	1.00	8.50	.88 x .88 x 6.88
445T	11.00	9.00	16.50	.81	24.19	26.31	3.38	3.62	20.94	17.38	7.50	8.25	1.00	8.50	.88 x .88 x 6.88
449T	11.00	9.00	25.00	.81	24.22	26.31	3.38	4.62	25.90	19.31	7.50	1.78	1.00	8.50	.88 x .88 x 6.88

Technical Information

Dimensions - NEMA® Steel Frame Motors

RIGID MOUNT





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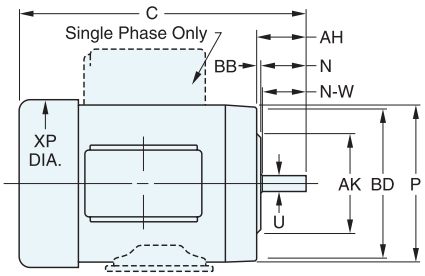
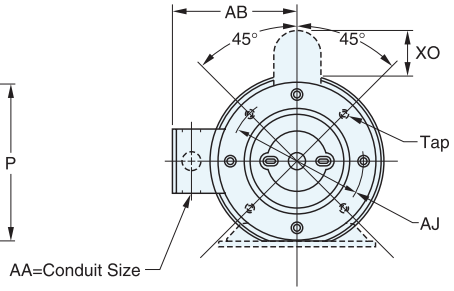
C FACE





NEMA SHAFT AND KEYWAY DIMENSIONS ■ (Inches)

NEMA SHAFT (U)	KEYWAY DIMENSIONS (R)	KEYWAY DIMENSIONS (S)	NEMA SHAFT (U)	KEYWAY DIMENSIONS (R)	KEYWAY DIMENSIONS (S)
3/8	21/64	FLAT	1-7/8	1-19/32	1/2
1/2	29/64	FLAT	2-1/8	1-27/32	1/2
5/8	33/64	3/16	2-3/8	2-1/64	5/8
7/8	49/64	3/16	2-1/2	2-3/16	5/8
1-1/8	63/64	1/4	2-7/8	2-29/64	3/4
1-3/8	1-13/64	5/16	3-3/8	2-7/8	7/8
1-5/8	1-13/32	3/8	3-7/8	3-5/16	1

■ S is keyway width.
U minus R is keyway depth.

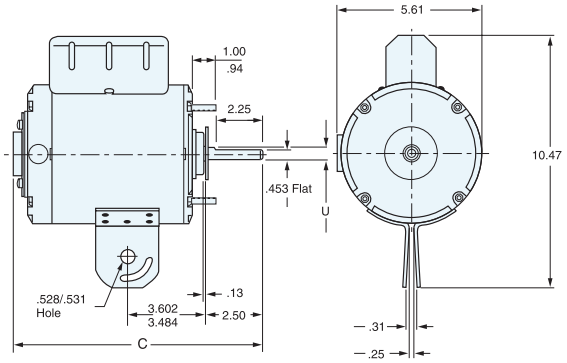
NEMA STEEL FRAME DIMENSIONS (Inches)

Frame Size ▲	D	E	F	H	N	O	P	U	N-W	AA	AB	AH	AJ	AK	BA	BB	BD	XO	XP	TAP **	KEY
42	2 5/8	1 3/4	27/32	9/32 Slot	1 3/16	5 1/16	4 7/8	3/8	1 1/8	3/8	4 1/2	1 5/16	3 3/4	3	2 1/16	1/8	4 7/8	1 5/8	5 1/8	1/4-20	3/64 Flat
48	3	2 1/8	1 3/8	11/32 Slot	1 9/16	5 13/16	5 19/32	1/2	1 1/2	1/2	4 7/8	1 11/16	3 3/4	3	2 1/2	1/8	5	2 1/4	5 7/8	1/4-20	3/64 Flat
S56	3 1/2	2 7/16	1 1/2	11/32 Slot	1 15/16	6 5/16	5 19/32	5/8	1 7/8	1/2	4 7/8	2 1/16	5 7/8	4 1/2	2 3/4	1/8	6 1/2	2 1/4	5 7/8	3/8-16	3/16
56						6 13/16	6 19/32				5 5/16								7 5/32		
143T	3 1/2	2 3/4	2	11/32	2 3/8	6 13/16	6 19/32	7/8	2 1/4	3/4	5 5/16	2 1/8	5 7/8	4 1/2	*2 1/4	1/8	6 1/2	2 1/4	7 5/32	3/8-16	3/16
145T			2 1/2																		
182T	4 1/2	3 3/4	2 1/4	13/32	2 7/8	8 3/4	8 15/32	1 1/8	2 3/4	3/4	6 7/16	2 5/8	7 1/4	8 1/2	*2 3/4	1/4	8 7/8	2 1/4	9 7/32	1/2-13	1/4
184T			2 3/4																		
S213T	5 1/4	4 1/4	2 3/4	13/32	3 1/2	9 27/32	8 13/32	1 3/8	3 3/8	3/4	7 19/32	3 1/8	7 1/4	8 1/2	*3 1/2	1/4	8 7/8	2 1/4	9 7/32	1/2-13	5/16
213T			2 3/4			10 5/8	9 21/32										8 5/8		10 13/16		
215T			3 1/2		—																

* 143-5TC NEMA C face BA dimension is 2¾". 182-4TC NEMA C face BA dimension is 3½". 213-5TC NEMA C face BA dimension is 4¼".
** 326TC and smaller have 4 mounting holes in NEMA C face, 364TC and larger have 8 mounting holes.
▲ Blue shading denotes dimensions established by NEMA standard MG1, others are unique to LEESON, and will vary with each manufacturer.

Pedestal Fan Motors

Note: Motors with U = .625 have a 3/16" keyway.



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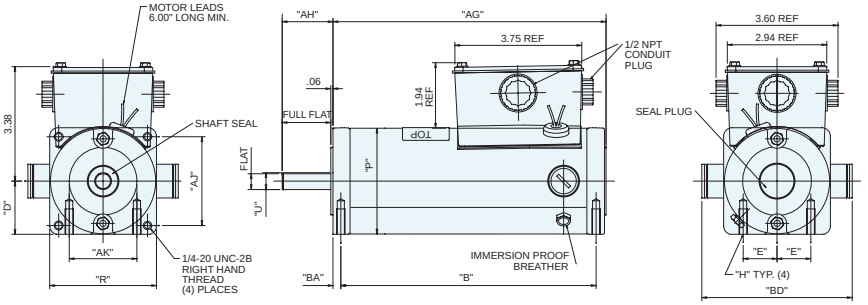
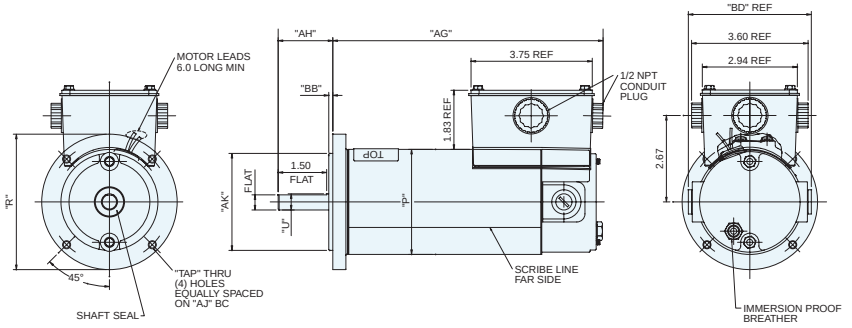
Technical Information

Dimensions - NEMA® Steel Frame Motors



WASHGUARD® 31 FRAME SQUARE FLANGE MOUNT STYLE DIMENSIONS (Inches)

Catalog Number	Frame	AG	P	BD	U	AH	AH-BB	AJ	Tap	R	AK	BB	D	BA	E	F	H
M1120181	31S	7.07	3.13	3.80	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	6.55	1/4-20
M1120182	31S	6.57	3.13	4.45	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	6.05	1/4-20
M1120183	31S	8.57	3.13	3.80	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	8.05	1/4-20
M1120184	31S	8.07	3.13	4.45	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	7.55	1/4-20



WASHGUARD 42C FACE MOUNT STYLE DIMENSIONS (Inches)

Catalog Number	Frame	AG	P	U	AH	AH-BB	KEY	AJ	TAP	AK	R	BD
M1120185	32F42CZ	8.36	3.25	.500	1.69	1.50	.13 SQ	3.750	1/4-20	3.00	4.19	3.80
M1120186	32F42CZ	7.86	3.25	.500	1.69	1.50	.13 SQ	3.750	1/4-20	3.00	4.19	4.43

ALL DIMENSIONS IN INCHES

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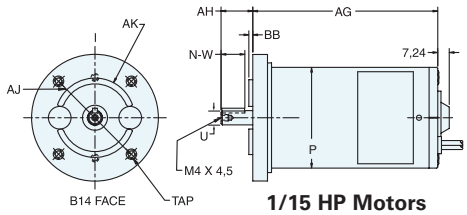
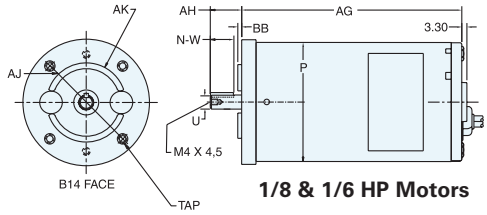
Commercial Duty Metric (IEC) Frame Motors

DIMENSIONS (Inches)

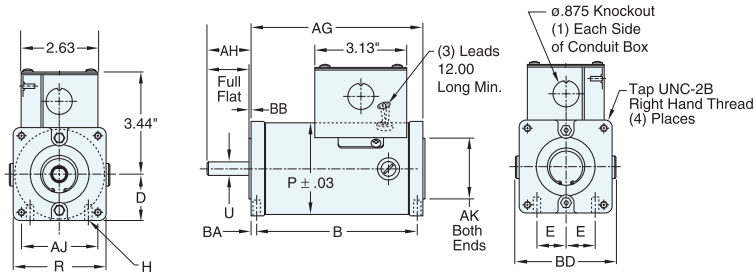
Frame	Voltage	AG	P	U	AH	N-W	AJ	TAP	AK	BB
	12	4.59	2.50	.35	.787	.591	2.56	M5x.8	1.97	.10
2.50	24	4.59	2.50	.35	.787	.591	2.56	M5x.8	1.97	.10
	90	4.59	2.50	.35	.787	.591	2.56	M5x.8	1.97	.10
	12	5.53	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
3.00	24	5.53	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
	90	5.53	3.13	.35	.787	.591	2.56	M5x.8	1.97	.10
	12	5.87	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
3.00	24	5.87	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
	90	5.87	3.13	.35	.787	.591	2.56	M5x.8	1.97	.10



1/15 HP Motors



1/8 & 1/6 HP Motors



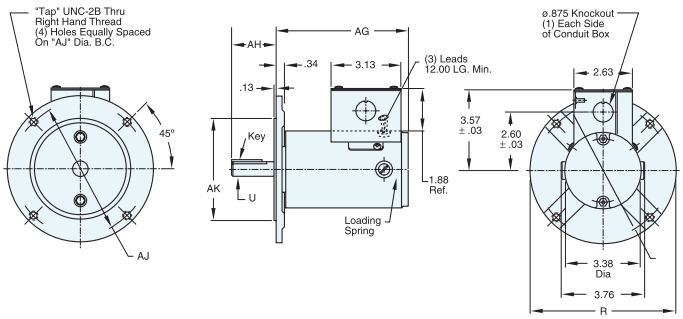
Note: Optional conduit box not included on 25 frame models.

Conduit box dimensions shown here are for 31 frame only.

25 & 31 FRAME SQUARE FLANGE MOUNT DIMENSIONS (Inches)

Frame	& Type	AG	P	BD	U	AH	AH-BB	AJ	TAP	R	AK	BB	D	BA	E	B	H
25	**AS**	4.08	2.50	3.00	.312	1.5	1.00	1.73	8-32	2.62	.997	.03	1.28	.125	.625	3.83	8-32
	CS	4.94	2.50	3.00	.312	1.5	1.00	1.73	8-32	2.62	.997	.03	1.28	.125	.625	4.69	8-32
31	**BS**	5.39	3.07	3.45	.5000	1.5	1.00	2.63	¼-20	3.16	1.99	.07	1.57	.235	1.000	4.92	¼-20
	CS**	5.89	3.07	3.45	.5000	1.5	1.00	2.63	¼-20	3.16	1.99	.07	1.57	.235	1.000	5.42	¼-20
	ES**	6.89	3.07	3.45	.5000	1.5	1.00	2.63	¼-20	3.16	1.99	.07	1.57	.235	1.000	6.42	¼-20
	GS	7.89	3.07	3.45	.5000	1.5	1.00	2.63	¼-20	3.16	1.99	.07	1.57	.235	1.000	7.42	¼-20

**Catalog numbers M1120041 & M1120044 have an 'AG' & 'F' dimension that is .5" longer than stated in table.



42C FACE MOUNT DIMENSIONS (Inches)

Frame	AG	P	U	AH	AH-BB	KEY	AJ	TAP	AK	R
34D42C	6.43	3.38	.500	1.38	1.25	.13 SQ	3.750	¼-20	3.00	4.25

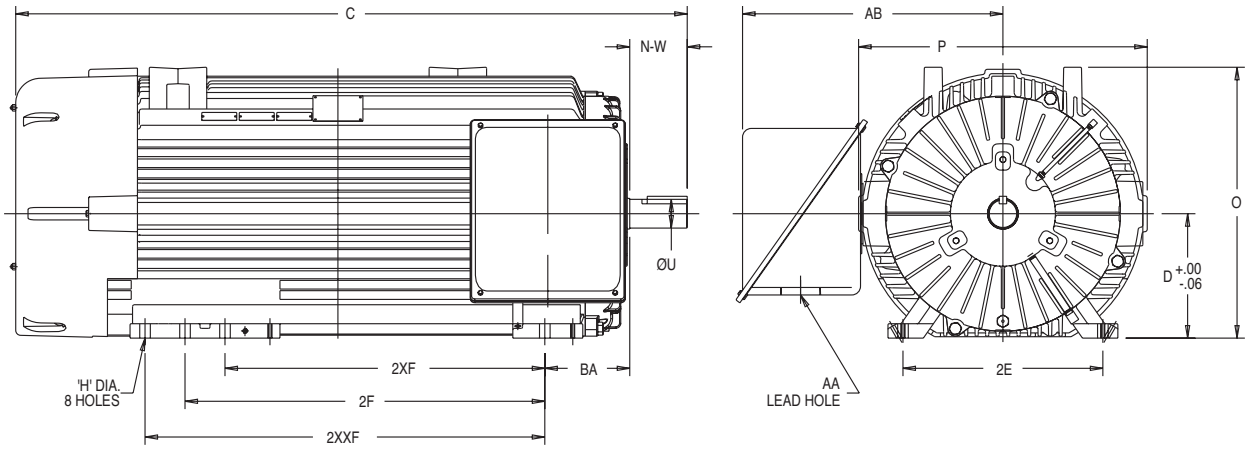
56C FACE MOUNT DIMENSIONS (Inches)

Frame	AG	P*	U	AH	AH-BB	KEY	AJ	TAP	AK	R
34E56C	6.87	3.38	.625	2.06	1.93	.19 SQ	5.875	⅜-16	4.50	6.50
34G56C	8.59	3.38	.625	2.06	1.93	.19 SQ	5.875	⅜-16	4.50	6.50

*For 1/4 HP 34 frame TEFC designs. Fan cover diameter is 3.88".

Technical Information

5000 Frame Motors



FRAME	H	BA	2XF	2F	2XXF	N-W	U	AB (MAX.)	P (MAX.)	O (MAX.)	D	2E	AA
5010LS	1.062 1.077	8.50	32.00	—	—	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011LS	1.062 1.077	8.50	—	36.00	—	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012LS	1.062 1.077	8.50	—	—	40.00	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013LS	1.062 1.077	8.50	45.00	—	—	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5010LX	1.062 1.077	8.50	32.00	—	—	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011LX	1.062 1.077	8.50	—	36.00	—	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012LX	1.062 1.077	8.50	—	—	40.00	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013LX	1.062 1.077	8.50	45.00	—	—	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5010L	1.062 1.077	8.50	32.00	—	—	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011L	1.062 1.077	8.50	—	36.00	—	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012L	1.062 1.077	8.50	—	—	40.00	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013L	1.062 1.077	8.50	45.00	—	—	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5010S	1.062 1.077	8.50	32.00	—	—	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011S	1.062 1.077	8.50	—	36.00	—	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012S	1.062 1.077	8.50	—	—	40.00	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013S	1.062 1.077	8.50	45.00	—	—	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT

All dimensions are measured in inches. For "C" dimensions, refer to the appropriate catalog page. Certified drawings are available upon request - contact LEESON Electric for details.

SAFETY

Safety is emphasized throughout this catalog. These are safety alert symbols and signal words. They alert the user to potential personal injury hazards. Obey all safety messages to avoid possible injury or death or damage to equipment and other property.

⚠ WARNING WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

IMPORTANT INFORMATION PLEASE READ CAREFULLY

This catalog is not intended to provide operational instructions. Appropriate LEESON® Electric instructions provided with the motor and precautions attached to the motor should be read carefully prior to installation, operation and/or maintenance of the equipment. Injury to personnel or motor failure may be caused by improper installation, maintenance or operation.

The following **WARNING** and **CAUTION** information is supplied to you for your protection and to provide you with many years of trouble free and safe operation of your LEESON Electric product:

⚠ WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury. Failure to follow the steps listed below could result in damage to equipment or personal injury.

- Disconnect power and lock out driven equipment before working on a motor.
- Keep hands and clothing away from moving parts.
- The lifting support on the motor is not to be used to lift the entire machine. Only the motor attached directly to the support may be safely lifted by the support.
- Install and ground per local and national codes.
- Discharge all capacitors before servicing a single phase motor.
- Misapplication of a motor in hazardous environments can cause fire or an explosion and result in serious injury. Only the end user, local authority having jurisdiction, and/or insurance underwriter are qualified to identify the appropriate class(es), group(s), division(s), and temperature code(s) that applies(y) in a hazardous environment. LEESON Electric personnel cannot evaluate or recommend what motors may be suitable for use in hazardous environments. If a motor is name plated for hazardous locations, do not operate the motor without all of the grease and drain plugs installed.
- Never attempt to measure the temperature rise of a motor by touch. Temperature rise must be measured by thermometer, resistance, resistance, imbedded detector or thermocouple.
- Motors with automatic reset thermal protectors will automatically restart when the protector temperature drops sufficiently. Do not use motors with automatic reset thermal protectors in applications where automatic restart will be hazardous to personnel or equipment.
- Motors with manual reset thermal protectors may start unexpectedly after the protector trips when the surrounding air is at +20˚ Fahrenheit or lower. If the manual reset protector trips, disconnect motor from its power supply. After the protector cools (five minutes or more), it can be reset and power may be applied to the motor.
- Connect all protective device leads, marked P1, P2, etc., per instructions supplied with the motor.
- Operation of a motor at other than its nameplate rating may result in fire, damage to equipment or serious injury to personnel.
- For safety, buyer or user should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The user is responsible for checking all applicable safety codes in his area and providing suitable guards. Failure to do so may result in bodily injury and/or damage to equipment.

Continued On Next Page

Warnings and Cautions

Electrical

IMPORTANT INFORMATION CONTINUED PLEASE READ CAREFULLY

⚠ CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. Failure to follow the steps listed below could result in damage to equipment or personal injury.

- Consult qualified personnel with questions and all electrical repairs must be performed by trained and qualified personnel only.
- For motors nameplated as "belted duty only", do not operate the motor without belts properly installed.
- Motors and/or driven equipment should not be operated faster than their rated speed.
- For inverter applications, follow the inverter manufacturer's installation guidelines.
- Make sure the motor is properly secured and aligned before operation.

In the event of the resale of any of the goods, in whatever form, Resellers/Buyers will include the following language in a conspicuous place and in a conspicuous manner in a written agreement covering such sale:

> THE MANUFACTURER MAKES NO WARRANTY OR REPRESENTATIONS, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE GOODS SOLD HEREUNDER. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE GOODS PURCHASED HEREUNDER WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. In no event will the manufacturer be liable for consequential, incidental or other damages. Even if the repair or replacement remedy shall be deemed to have failed of its essential purpose under Section 2-719 of the Uniform Commercial Code, the manufacturer shall have no liability to Buyer for consequential damages.

Resellers/Buyers agree to also include this entire document including the warnings and cautions above in a conspicuous place and in a conspicuous manner in writing to instruct users on the safe usage of the product.

This information should be read together with all other printed information supplied by LEESON Electric.

For more information contact: LEESON Electric, Regal Beloit America, Inc., 1051 Cheyenne Avenue, Grafton, Wisconsin 53024

Phone: 262-377-8810 or Fax: 262-377-3440

IMPORTANT INFORMATION PLEASE READ CAREFULLY

The following **WARNING** and **CAUTION** information is supplied to you for your protection and to provide you with many years of trouble free and safe operation of your LEESON® Electric product:

Read ALL instructions prior to operating reducer. Injury to personnel or reducer failure may be caused by improper installation, maintenance or operation.

⚠ WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury. Failure to follow the steps listed below could result in damage to equipment or personal injury.

- Written authorization from LEESON Electric is required to operate or use reducers in man lift or people moving devices.
- Check to make certain application does not exceed the allowable load capacities published in the current catalog.
- Buyer shall be solely responsible for determining the adequacy of the product for any and all uses to which buyer shall apply the product. The application by buyer shall not be subject to any implied warranty of fitness for a particular purpose.
- For safety, buyer or user should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The User is responsible for checking all applicable safety codes in his area and providing suitable guards. Failure to do so may result in bodily injury and/or damage to equipment.
- Hot oil and reducers can cause severe burns. Use extreme care when removing lubrication plugs and vents.
- Make certain that the power supply is disconnected before attempting to service or remove any components. Lock out the power supply and tag it to prevent unexpected application of power.
- Reducers are not to be considered fail safe or self-locking devices. If these features are required, a properly sized, independent holding device should be utilized. Reducers should not be used as a brake.
- Any brakes that are used in conjunction with a reducer must be sized or positioned in such a way so as to not subject thereducer to loads beyond the catalog rating.
- Lifting supports including eyebolts are to be used for vertically lifting the gearbox only and no other associated attachments or motors.
- Use of an oil with an EP additive on units with backstops may prevent proper operation of the backstop. Injury to personnel, damage to the reducer or other equipment may result.
- Overhung loads subject shaft bearings and shafts to stress which may cause premature bearing failure and/or shaft breakage from bending fatigue, if not sized properly.

⚠ CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. Failure to follow the steps listed below could result in damage to equipment or personal injury.

- Test run unit to verify operation. If the unit tested is a prototype, that unit must be of current production.
- If the speed reducer cannot be located in a clear and dry area with access to adequate cooling air supply, then precautions must be taken to avoid the ingestion of contaminants such as water and the reduction in cooling ability due to exterior contaminants.
- Mounting bolts should be routinely checked to ensure that the unit is firmly anchored for proper operation.

In the event of the resale of any of the goods, in whatever form, resellers/buyers will include the following language in a conspicuous place and in a conspicuous manner in a written agreement covering such sale:

> THE MANUFACTURER MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE GOODS SOLD HEREUNDER. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE GOODS PURCHASED HEREUNDER WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. IN NO EVENT WILL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR OTHER DAMAGES. Even if the repair or replacement remedy shall be deemed to have failed of its essential purpose under Section 2-719 of the Uniform Commercial Code, the manufacturer shall have no liability to Buyer for consequential damages.

Resellers/buyers agree to also include this entire document including the warnings and cautions above in a conspicuous place and in a conspicuous manner in writing to instruct users on the safe usage of the product. This information should be read together with all other printed information supplied by LEESON Electric.

Other Products
Pulleys and Sheaves

power+plus™

INDUSTRY STANDARD POWER TRANSMISSION SOLUTIONS!

ISO9001 certified manufacturing facility

LEESON®

STANDARDIZED TAPER BUSHINGS & SHEAVES FOR ALL YOUR POWER TRANSMISSION NEEDS!

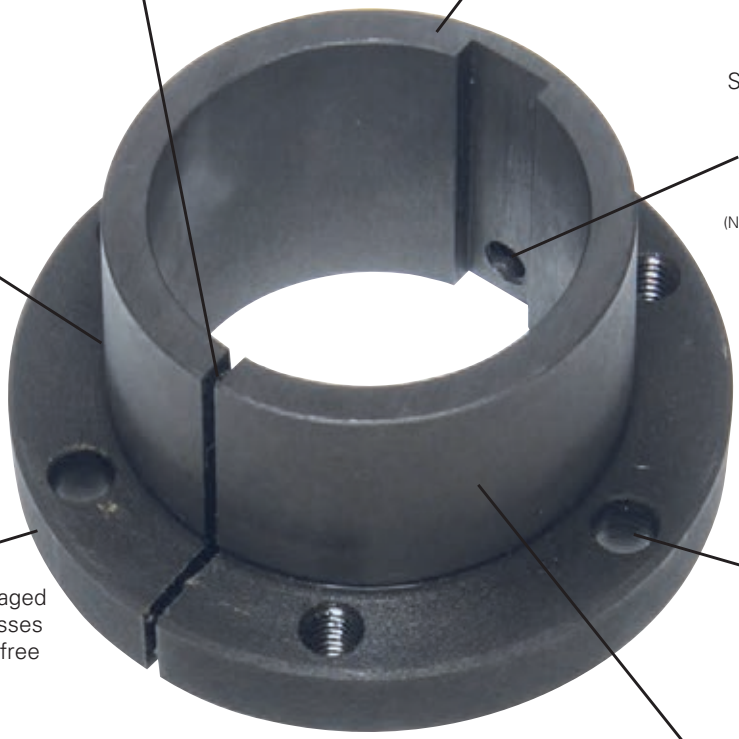
Full split allowing the bushing to compress evenly throughout the bushing length for a secure, even fit

Made from GGG40 ductile iron, precision machined and phosphate coated

Precision machined taper insuring a snug, concentric fit with the sheave. Powerplus+ bushings & sheaves run true.

Set screw over the key secures key in place. Especially helpful for vertical shaft down applications

(Not available on smaller bushings, see catalog for detail)



Castings are vibration aged to relieve internal stresses insuring long, trouble free service life

2 sets of mounting holes to insure easy installation and removal. Use the thru holes to draw the bushing tight, use the threaded holes to push the bushing off the sheave.

Industry standard taper design insures interchangeability

Supplied with all necessary mounting hardware including 12.9 grade UNC bolts, lock washers, set screws and shaft key

LEESON University.
It's everything you need to know.

Subjects Covered:

Regal Overview

AC Electric Motor Principles

DC Electric Motor Principles

PMAC Electric Motor Principles

Motor Applications

Power Transmission

Gear Reducer Principles

LEESON.com review

Manufacturing Plant Workshop

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Dave Richardson
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Fax: 925/371-5673

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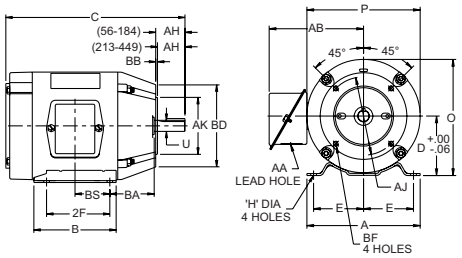
Notes

S	Steel frame
A	Aluminum frame
C	Cast Iron frame
US	Made in the USA
MX	Made in Mexico
CA	Made in Canada
CN	Made in China
2	These combination 56H base motors have mounting holes for 56 and 143-5T, and 1/2 diameter shaft with flat 1.5" long
3	Combination 56 H base has mounting holes for NEMA 56 and 143-5T and a standar MA 145T frame shaft of 7/8" Dia.
4	These motors have a NEMA 215T base mounting pattern and shaft height of 5.25", with usable length of 3 3/8 and diameter of 1 1/8 with standard key
5	Combination 56 H base has mounting holes for NEMA 56, and has a standard NEMA 145T frame shaft of 7/8"" Dia.
6	Combination 56H base has mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft of 5/8"
7	48YZ motors have std. 48-frame base with 1/2" dia. X 1 7/8 long shaft ext. with flat. Also includes sleeve to convert shaft to 5/8" dia. With 3/16" square key"
8	NEMA 145TC shaft, 7/8" X 2 1/4" and NEMA 56 removable base
9	S56CZ motors have mounting bases with NEMA 56 mounting holes, NEMA 56/143-5T C-face and a NEMA 143-5T shaft extension (7/8"" dia x 2 1/4" long)
10	Motor has mounting base with 182T mounting holes, shaft height is 4.5". Shaft is std. NEMA 56-5/8" dia. X 1 7/8 long
11	TEBC totally enclosed blower cooled
12	TENV totally enclosed non-vented
13	TEFC totally enclosed fan cooled
14	F1 mounting only
15	Built-in conduit box located at 12:00
16	1/2" diameter shaft - 2 1/4" long
17	5/8" diameter shaft - 2 5/8" long
18	Shaft extension has keyway and flat 180° apart for ease of mounting
19	Shaft is 5/8" Dia.by 2.0" long
20	Shaft is 5/8" Dia.by 2 5/8" long
21	Shaft is 3/4" Dia.by 3 1/2" long
22	Standard 5/8" diameter shaft with keyway plus 3/4" deep hole drilled and tapped to 1/4-20 UNC in end of shaft to facilitate mounting of some fan blades
23	Standard 7/8" diameter shaft with keyway plus 3/4" deep hole drilled and tapped to 1/4-20 UNC in end of shaft to facilitate mounting of some fan blades
24	Motor's shaft is 1 inch longer than standard
25	Shaft extension has keyway and flat 180° apart for ease of mounting. Useable shaft is 1 1/2" long by 1/2 Dia., 1/8" keyway
26	Shaft is 1/2"" Dia. X 1 1/2"" long with flat
27	Shaft is 5/8" Dia. X 1.97" ling with 3/16" keyway
28	1/4" long extended through-bolts
29	IEC Frame - See IEC dimension chart in back of catalog for dimension information
30	CW rotation only, from lead end of motor
31	For motors having a "P" suffix letter in the date code
32	Motor has terminal board connection
33	Automatic overload - cannot use with VFD
34	1" long extended through-bolts
35	Terminal studs at 12:00
36	Special BA dimension 2.31 for belt guard clearance
37	Uses drip cover kit 175305.00
38	Uses drip cover kit 175004.00
39	Uses drip cover kit 175932.00
40	Uses drip cover kit 175933.00
41	Uses drip cover kit 175846.00
42	Uses drip cover kit 175849.00
43	Uses drip cover kit 175962.00
44	Uses drip cover kit 175963.00
45	Uses drip cover kit 175614.00
46	50 Hz operation at rated HP
47	Rated at 50Hz at full rated HP
48	190/380V, 50Hz at next lowest HP @1.15 S.F.
49	Class F insulated
50	Suitable for single speed operation only
51	Mechanical centrifugal starting switch with overspeed protection, others have electronic start switch
52	Extra high starting torque
53	Capacitor start/capcitor run design for reduced amperage, others are capacitor start/induction run
54	Split phase start, capacitor run is suitable for belt drive within the airflow of the fan
55	Split phase start, capacitor run
56	Designed for inverter duty operation
57	Rated for farm duty service
58	Provision for belly band mount, no base
59	Resilient base with provision for belly band mount
60	Rigid base
61	Nema 145TC face mounting with removable NEMA 182T rigid base
62	Provision for belly band and pedestal fan mounting, no rigid base
63	Resilient base
64	Stub shaft on ODE for manual jogging

NEMA® Quick Reference Dimensional Chart

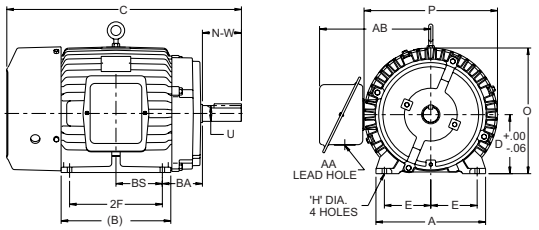
Typical C-Face Motor



NEMA C-Face	BA Dimensions
143-5TC	2-3/4
182-4TC	3-1/2
213-5TC	4-1/4
254-6TC	4-3/4

Contact your LEESON sales representative for "AB", "O", & "P" Dimensions.

Typical Rigid Base Motor



Refer to your LEESON catalog for "C" Dimensions.

Frame	D	E	2F	H	U	N-W	AA	AH	AJ	AK	BA	BBk (MIN)	BD (MAX)	BF
48	3.00	2.12	2.75	.34 SLOT	.5000	1.50	1/2	1.69	3.750	3.000	2.50	.13	5.62	1/4-20
56	3.50	2.44	3.00	.34 SLOT	.6250	1.88	1/2	2.06	5.875	4.500	2.75	.13	6.50	3/8-16
56H	3.50	2.44	5.00	.34 SLOT	.6250	1.88	1/2	2.06	5.875	4.500	2.75	.13	6.50	3/8-16
143T	3.50	2.75	4.00	.34	.8750	2.25	3/4	2.12	5.875	4.500	2.25	.13	6.50	3/8-16
145T	3.50	2.75	5.00	.34	.8750	2.25	3/4	2.12	5.875	4.500	2.25	.13	6.50	3/8-16
182	4.50	3.75	4.50	.41	.8750	2.25	3/4	2.12	5.875	4.500	2.75	.13	6.50	3/8-16
184	4.50	3.75	5.50	.41	.8750	2.25	3/4	2.12	5.875	4.500	2.75	.13	6.50	3/8-16
182T	4.50	3.75	4.50	.41	1.125	2.75	3/4	2.62	7.250	8.500	2.75	.25	9.00	1/2-13
184T	4.50	3.75	5.50	.41	1.125	2.75	3/4	2.62	7.250	8.500	2.75	.25	9.00	1/2-13
213	5.25	4.25	5.50	.41	1.125	3.00	1	2.75	7.250	8.500	3.50	.25	9.00	1/2-13
215	5.25	4.25	7.00	.41	1.125	3.00	1	2.75	7.250	8.500	3.50	.25	9.00	1/2-13
213T	5.25	4.25	5.50	.41	1.375	3.38	1	3.12	7.250	8.500	3.50	.25	9.00	1/2-13
215T	5.25	4.25	7.00	.41	1.375	3.38	1	3.12	7.250	8.500	3.50	.25	9.00	1/2-13
254U	6.25	5.00	8.25	.53	1.375	3.75	1-1/4	3.50	7.250	8.500	4.25	.25	10.00	1/2-13
256U	6.25	5.00	10.00	.53	1.375	3.75	1-1/4	3.50	7.250	8.500	4.25	.25	10.00	1/2-13
254T	6.25	5.00	8.25	.53	1.625	4.00	1-1/4	3.75	7.250	8.500	4.25	.25	10.00	1/2-13
256T	6.25	5.00	10.00	.53	1.625	4.00	1-1/4	3.75	7.250	8.500	4.25	.25	10.00	1/2-13
284U	7.00	5.50	9.50	.53	1.625	4.88	1-1/2	4.62	9.000	10.500	4.75	.25	11.25	1/2-13
286U	7.00	5.50	11.00	.53	1.625	4.88	1-1/2	4.62	9.000	10.500	4.75	.25	11.25	1/2-13
284T	7.00	5.50	9.50	.53	1.875	4.62	1-1/2	4.38	9.000	10.500	4.75	.25	11.25	1/2-13
286T	7.00	5.50	11.00	.53	1.875	4.62	1-1/2	4.38	9.000	10.500	4.75	.25	11.25	1/2-13
284TS	7.00	5.50	9.50	.53	1.625	3.25	1-1/2	3.00	9.000	10.500	4.75	.25	11.25	1/2-13
286TS	7.00	5.50	11.00	.53	1.625	3.25	1-1/2	3.00	9.000	10.500	4.75	.25	11.25	1/2-13
324U	8.00	6.25	10.50	.66	1.875	5.62	2	5.38	11.000	12.500	5.25	.25	14.00	5/8-11
326U	8.00	6.25	12.00	.66	1.875	5.62	2	5.38	11.000	12.500	5.25	.25	14.00	5/8-11
324T	8.00	6.25	10.50	.66	2.125	5.25	2	5.00	11.000	12.500	5.25	.25	14.00	5/8-11
326T	8.00	6.25	12.00	.66	2.125	5.25	2	5.00	11.000	12.500	5.25	.25	14.00	5/8-11
324TS	8.00	6.25	10.50	.66	1.875	3.75	2	3.50	11.000	12.500	5.25	.25	14.00	5/8-11
326TS	8.00	6.25	12.00	.66	1.875	3.75	2	3.50	11.000	12.500	5.25	.25	14.00	5/8-11
364U	9.00	7.00	11.25	.66	2.125	6.38	2-1/2	6.12	11.000	12.500	5.88	.25	14.00	5/8-11
365U	9.00	7.00	12.25	.66	2.125	6.38	2-1/2	6.12	11.000	12.500	5.88	.25	14.00	5/8-11
364T	9.00	7.00	11.25	.66	2.375	5.88	2-1/2	5.62	11.000	12.500	5.88	.25	14.00	5/8-11
365T	9.00	7.00	12.25	.66	2.375	5.88	2-1/2	5.62	11.000	12.500	5.88	.25	14.00	5/8-11
364TS	9.00	7.00	11.25	.66	1.875	3.75	2-1/2	3.50	11.000	12.500	5.88	.25	14.00	5/8-11
365TS	9.00	7.00	12.25	.66	1.875	3.75	2-1/2	3.50	11.000	12.500	5.88	.25	14.00	5/8-11
404U	10.00	8.00	12.25	.81	2.375	7.12	3	6.88	11.000	12.500	6.62	.25	15.50	5/8-11
405U	10.00	8.00	13.75	.81	2.375	7.12	3	6.88	11.000	12.500	6.62	.25	15.50	5/8-11
404T	10.00	8.00	12.25	.81	2.875	7.25	3	7.00	11.000	12.500	6.62	.25	15.50	5/8-11
405T	10.00	8.00	13.75	.81	2.875	7.25	3	7.00	11.000	12.500	6.62	.25	15.50	5/8-11
404TS	10.00	8.00	12.25	.81	2.125	4.25	3	4.00	11.000	12.500	6.62	.25	15.50	5/8-11
405TS	10.00	8.00	13.75	.81	2.125	4.25	3	4.00	11.000	12.500	6.62	.25	15.50	5/8-11
444U	11.00	9.00	14.50	.81	2.875	8.62	3	8.38	14.000	16.000	7.50	.25	18.00	5/8-11
445U	11.00	9.00	16.50	.81	2.875	8.62	3	8.38	14.000	16.000	7.50	.25	18.00	5/8-11
444T	11.00	9.00	14.50	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
445T	11.00	9.00	16.50	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
444TS	11.00	9.00	14.50	.81	2.375	4.75	3	4.50	14.000	16.000	7.50	.25	18.00	5/8-11
445TS	11.00	9.00	16.50	.81	2.375	4.75	3	4.50	14.000	16.000	7.50	.25	18.00	5/8-11
447T	11.00	9.00	20.00	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
449T	11.00	9.00	25.00	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
447TS	11.00	9.00	20.00	.81	2.375	4.75	4 NPT	4.50	14.000	16.000	7.50	.25	18.00	5/8-11
449TS	11.00	9.00	25.00	.81	2.375	4.75	4 NPT	4.50	14.000	16.000	7.50	.25	18.00	5/8-11

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