

INTRODUCTION

Cook power roof and wall ventilators provide maximum performance and durability in a wide variety of commercial and industrial air moving applications. Exhaust applications include general ventilation, fume-hood, paint booth and smoke control systems.

- AC unit top cap assembly is designed to provide weather protection for the motor and drive components while maintaining easy, tool free access for inspection and maintenance.
- Standard lifting lugs, located under the top cap, provide for safe, fast and efficient lifting of the unit to a rooftop.
- One piece fan base, which includes a high-efficiency inlet venturi and continuously welded curb cap corners, insures weathertight conditions.
- Spun aluminum baffle is designed to provide smooth, turbulent-free airflow.
- Wheels are centrifugal type featuring non-overloading, backward-inclined blades and a tapered inlet shroud.
- Accurate performance is assured through compliance with the AMCA Certified Ratings Program. All units are licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance.

ACE

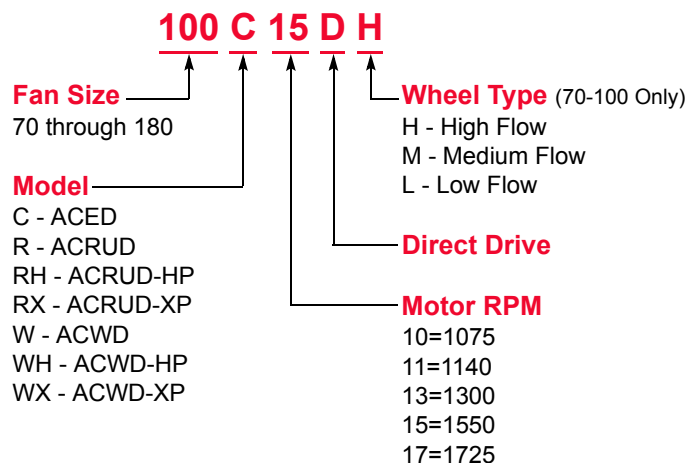
Downblast Centrifugal Exhaust Ventilator



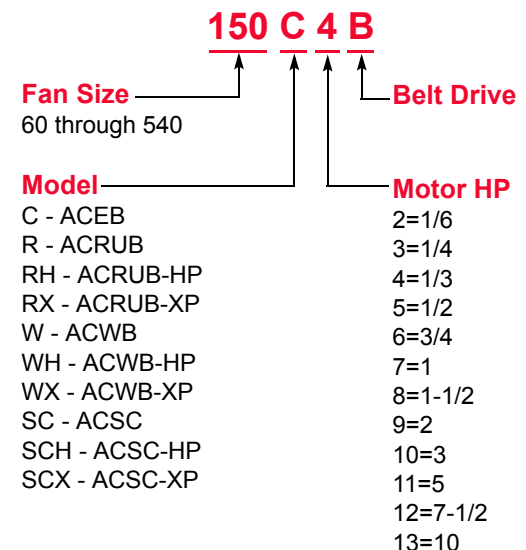
- Typically used in roof mounted clean-air exhaust applications.
- ACE available in 8 direct drive sizes and 21 belt drive sizes. Capacities range from 100 to 32,300 CFM, with static pressures from 0 to 1-1/2 inches.

Model Number Chart

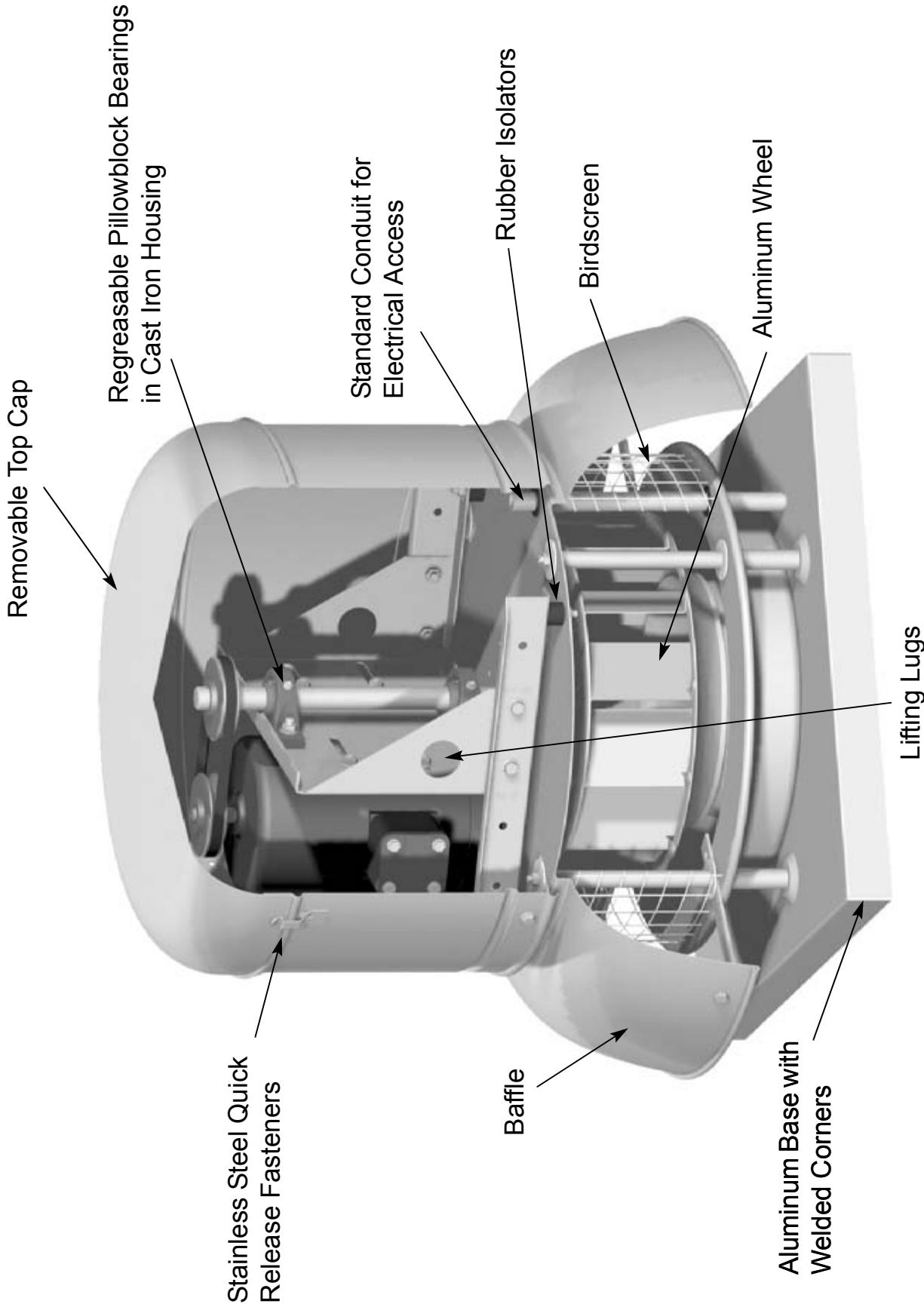
Direct Drive Models



Belt Drive Models



ACEB
Downblast Centrifugal Exhaust Ventilator



Description - Fan shall be a spun aluminum, roof mounted, belt driven, downblast centrifugal exhaust ventilator.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have continuously welded curb cap corners for maximum leak protection. The discharge baffle shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An integral conduit chase shall be provided through the curb cap and into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly, isolated from the unit structure with rubber vibration isolators. These components shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. Lifting lugs shall be provided to help prevent damage from improper lifting. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillowblock housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be model ACEB as manufactured by Loren Cook Company of Springfield, Missouri.

ACEB Dimension Data

Size	A	B	C	G	T Sq.	Roof Opening Square*	Ship. Wt.
60	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
70	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
80	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
100	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
120	1-13/16	28-7/16	26-7/8	2	20	15-1/2	55
135	2-3/16	28-7/16	27-1/4	2	20	15-1/2	60
150	3-1/16	32-7/8	28-7/8	2	24	19-1/2	70
165	3-9/16	32-7/8	29-3/8	2	24	19-1/2	75
180	3-15/16	37-11/16	34-1/2	3	30	25-1/2	90
195	4-7/16	37-11/16	35	3	30	25-1/2	100
210	4-3/4	43-5/8	37-1/4	3	30	25-1/2	200
225	4-7/8	43-5/8	37-3/8	3	30	25-1/2	220
245	6-1/8	47-5/8	39-7/8	3	30	25-1/2	240
270	6-1/8	47-5/8	39-7/8	3	36	31-1/2	260
300	7-1/16	52-5/8	49-1/16	3	36	31-1/2	300
330	7-5/16	52-5/8	49-5/16	3	42	37-1/2	365
365	8-1/16	62-5/8	51-9/16	3	42	37-1/2	380
402	10-1/16	62-5/8	53-9/16	3	48	43-1/2	440
445	9-3/4	75-3/16	57-1/16	3	54	49-1/2	500
490	11-1/2	75-3/16	58-13/16	3	54	49-1/2	650
540	12-1/2	81-15/16	60-5/16	3	66	61-1/2	858

All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds, less motor.

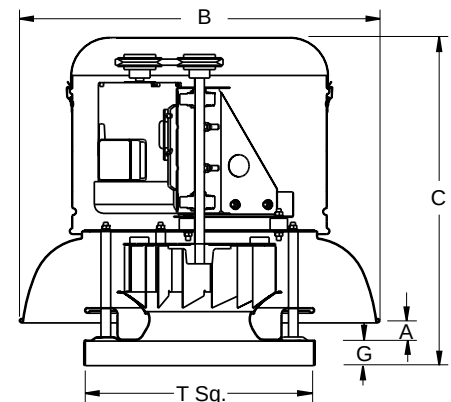
Downblast Centrifugal Exhaust Ventilator Roof Mounted Belt Drive



Loren Cook Company certifies that the ACEB shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Type ACEB is furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT) when furnished with factory supplied motor.



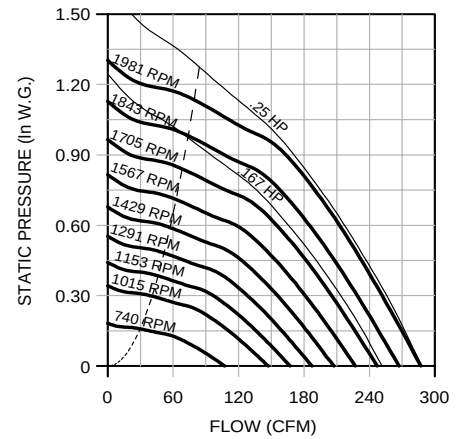
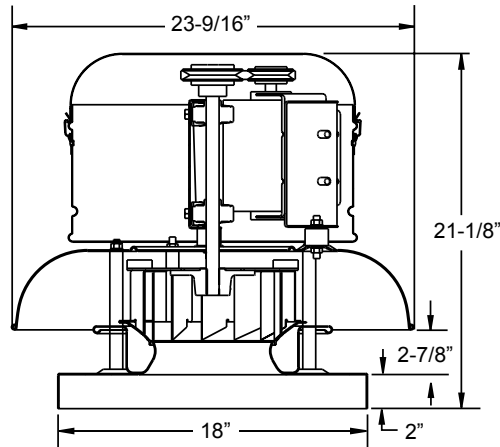
60 - 80 ACEB Data

60 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - 2.6 x RPM
Maximum RPM - 1981
Maximum BHP - $.032 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - 13-1/2" Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .063

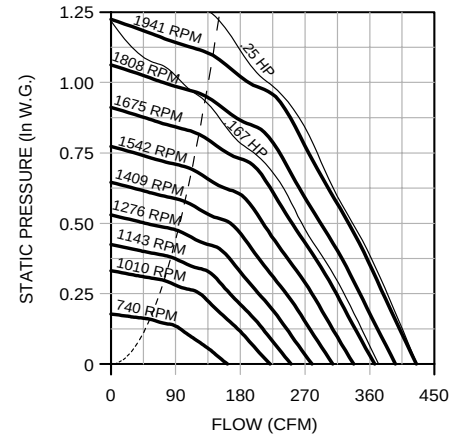
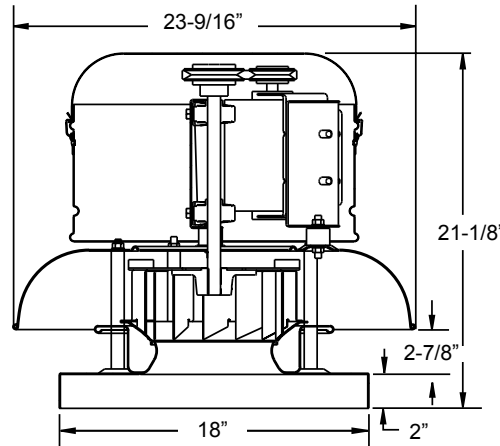


70 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - 2.6 x RPM
Maximum RPM - 1941
Maximum BHP - $.034 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - 13-1/2" Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .063

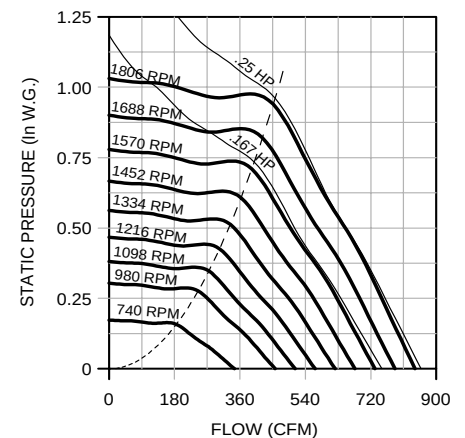
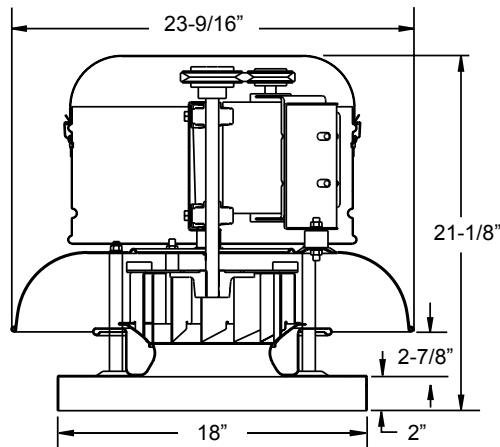


80 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - 2.6 x RPM
Maximum RPM - 1806
Maximum BHP - $.042 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - 13-1/2" Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .080
Base - .063



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. *1/6 & 1/4 HP motor available only in single phase ODP type.

60 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
60C2B	1/6* 15 lbs.	740	1937	107		61																					
				1.3	.01	1.0	.01																				
		937	2453	136		103		41																			
				2.9	.03	2.6	.03	2.1	.02																		
		1134	2968	164		138		108																			
				5.3	.05	5.1	.05	4.9	.05																		
		1331	3484	193		171		147		119		60															
				7.5	.08	7.5	.07	7.4	.07	7.1	.07	6.3	.06														
1528	4000	222		203		183		161		135		86															
		9.3	.11	9.2	.11	9.1	.11	9.0	.11	8.7	.11	7.9	.10														
1723	4510	250		233		216		197		177		154		118													
		11.4	.16	11.4	.16	11.3	.16	11.2	.16	11.0	.16	10.8	.16	10.0	.15												
60C3B	1/4* 15 lbs.	1787	4678	259		243		226		209		190		169		143		92									
				12.2	.18	12.1	.18	12.1	.18	12.0	.18	11.8	.18	11.7	.18	11.0	.17	10.3	.16								
		1851	4845	268		253		237		220		202		182		160		122									
				13.0	.20	13.0	.20	12.9	.20	12.8	.20	12.7	.20	12.5	.20	12.1	.20	11.4	.18								
		1915	5013	278		263		247		231		214		196		175		150		101							
				13.9	.22	13.9	.22	13.8	.22	13.7	.22	13.6	.22	13.5	.22	13.3	.22	12.5	.21	11.8	.20						
		1981	5186	287		273		258		242		226		209		190		168		131							
				14.9	.25	14.8	.24	14.7	.24	14.7	.24	14.5	.24	14.4	.24	14.3	.24	13.7	.24	13.0	.23						

70 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
70C2B	1/6* 15 lbs.	740	1937	162		96																					
				1.7	.01	1.2	.01																				
		930	2434	204		154		70																			
				3.2	.03	2.8	.03	2.6	.02																		
		1120	2932	245		205		159		63																	
				5.7	.05	5.4	.05	5.0	.05	4.8	.04																
		1310	3429	287		253		216		176		95															
				8.2	.08	8.0	.07	7.6	.07	7.3	.07	7.1	.07														
1500	3926	329		298		269		233		199		130															
		10.1	.11	9.8	.11	9.6	.11	9.2	.11	8.9	.11	8.6	.10														
1689	4421	370		343		317		289		256		226		173													
		12.3	.16	12.1	.16	11.9	.16	11.6	.16	11.3	.16	11.0	.15	10.7	.15												
70C3B	1/4* 15 lbs.	1752	4586	384		358		333		306		275		245		215		139									
				13.2	.18	12.9	.18	12.7	.18	12.5	.18	12.2	.18	11.9	.17	11.5	.18	11.2	.16								
		1815	4751	397		372		348		323		294		264		237		179		82							
				14.1	.20	13.9	.20	13.7	.20	13.4	.20	13.1	.20	12.8	.19	12.4	.19	12.1	.19	11.8	.16						
		1878	4916	411		387		363		340		313		283		256		226		152							
				15.1	.23	14.9	.22	14.6	.22	14.4	.22	14.1	.22	13.8	.22	13.5	.21	13.1	.22	12.8	.20						
1941	5081	425		402		379		356		331		302		275		249		192									
		16.0	.25	15.8	.24	15.6	.24	15.4	.24	15.1	.24	14.9	.24	14.6	.23	14.2	.24	13.8	.23								

80 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP													
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP										
80C2B	1/6* 15 lbs.	740	1937	345		221																															
				2.0	.02	1.4	.02																														
		906	2371	422		327		102																													
				3.4	.03	2.9	.03	2.3	.02																												
		1072	2806	500		423		329																													
				5.4	.05	4.9	.05	4.5	.05																												
		1238	3241	577		510		434		356																											
7.6	.08			7.2	.08	6.8	.08	6.4	.08																												
1404	3675	654		595		536		460		394																											
		9.2	.11	8.8	.11	8.5	.12	8.2	.12	7.6	.11																										
		732		679		627		567		500		442		181																							
1571	4112	10.9		.16		10.5		.16		10.1		.16		9.8		.16		9.5		.16		9.0		.16		8.5		.12									
80C3B	1/4* 15 lbs.	1630	4267	760		709		659		603		537		479		418																					
				11.6	.17	11.2	.18	10.8	.18	10.5	.18	10.2	.18	9.8	.18	9.2	.18																				
		1689	4421	787		738		690		638		574		516		463		173																			
				12.3	.19	12.0	.20	11.6	.20	11.3	.20	11.0	.20	10.6	.20	10.1	.20	9.6	.15																		
		1748	4576	815		767		720		672		613		553		501		440																			
1806	4728	13.1		.21		12.7		.22		12.3		.22		12.0		.22		11.7		.23		11.5		.22		10.9		.22		10.4		.22					
		842		796		750		704		650		590		538		487		189																			
				13.9	.24	13.5	.24	13.1	.24	12.8	.25	12.5	.25	12.2	.25	11.8	.24	11.3	.24	10.8	.19																

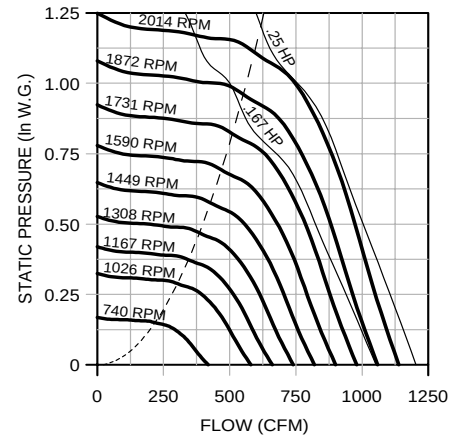
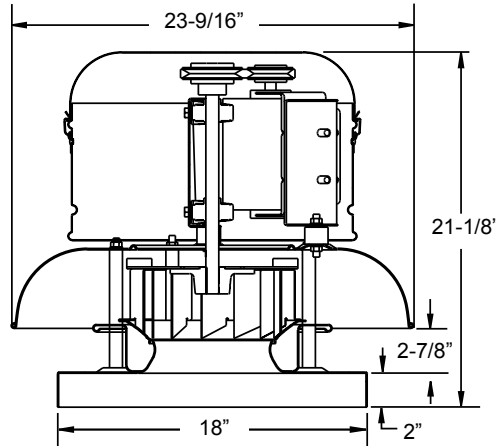
Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects

100 - 135 ACEB Data

100 ACEB

Wheel Diameter - 10"
Tip Speed (FPM) - $2.6 \times \text{RPM}$
Maximum RPM - 2013
Maximum BHP - $.030 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 48
Approx. Ship Wt. (Less Motor) - 30 lbs.
Roof Curb - RCG, RCA 16
Roof Opening - $13\text{-}1/2"$ Sq.

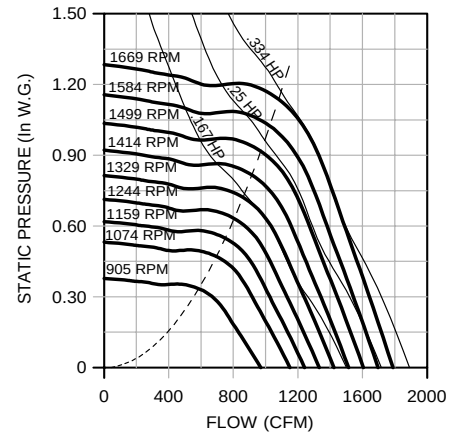
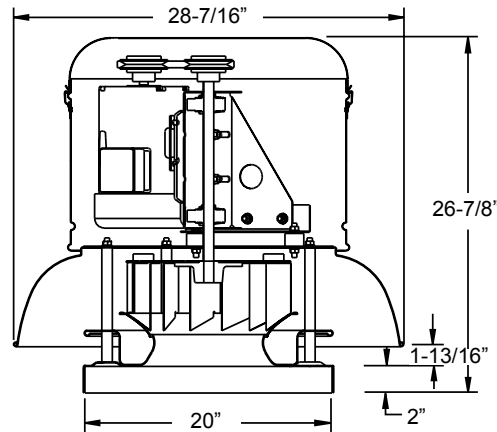
Material Gauges
Top Cap Lid - .063
Top Cap Cylinder - 0.40
Baffle - .080
Base - .063



120 ACEB

Wheel Diameter - 12"
Tip Speed (FPM) - $3.1 \times \text{RPM}$
Maximum RPM - 1669
Maximum BHP - $.072 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 55 lbs.
Roof Curb - RCG, RCA 18
Roof Opening - $15\text{-}1/2"$ Sq.

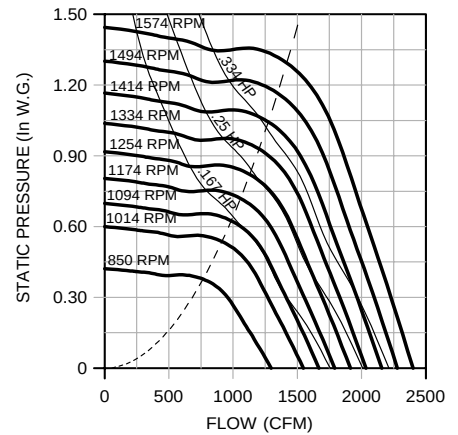
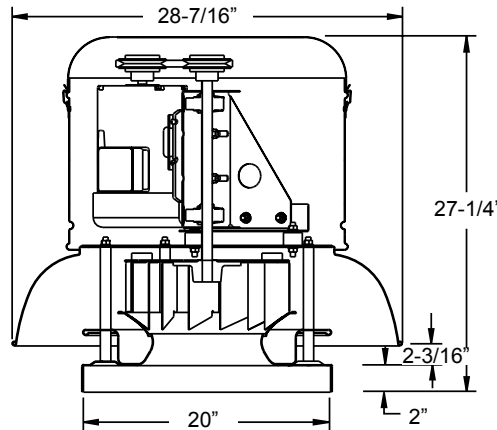
Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - 0.40
Baffle - .063
Base - .063



135 ACEB

Wheel Diameter - 13.5"
Tip Speed (FPM) - $3.5 \times \text{RPM}$
Maximum RPM - 1574
Maximum BHP - $.13 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 60 lbs.
Roof Curb - RCG, RCA 18
Roof Opening - $15\text{-}1/2"$ Sq.

Material Gauges
Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels.

100 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
100C2B	1/6* 15 lbs.	740	1937	419		293																			
				1.9	.01	1.6	.01																		
		942	2466	533		445		254																	
				3.4	.02	3.2	.02	3.1	.02																
		1144	2994	647		573		497		240															
				5.6	.04	5.5	.04	5.3	.04	5.2	.03														
		1346	3523	762		696		638		564		389													
				7.6	.06	7.6	.07	7.4	.07	7.2	.07	7.1	.07												
		1548	4052	876		817		766		715		646		525											
				9.3	.10	9.3	.10	9.2	.10	9.0	.11	8.9	.11	8.7	.11										
1752	4586	991		938		891		848		800		740		657		436									
		11.2	.14	11.2	.14	11.1	.15	10.9	.15	10.8	.16	10.7	.16	10.5	.16	10.4	.13								
100C3B	1/4* 15 lbs.	1818	4759	1029		978		932		890		846		793		723		591							
				11.9	.16	11.9	.16	11.9	.16	11.7	.17	11.5	.18	11.4	.18	11.3	.18	11.2	.18						
		1884	4932	1066		1017		972		931		890		842		782		700		509					
				12.8	.17	12.8	.18	12.8	.18	12.6	.19	12.4	.19	12.2	.20	12.1	.20	12.0	.20	11.8	.17				
		1950	5105	1103		1056		1012		972		933		889		836		769		647					
				13.7	.19	13.7	.20	13.7	.20	13.5	.21	13.3	.21	13.2	.22	13.1	.22	12.9	.22	12.8	.22				
		2014	5272	1140		1094		1051		1012		974		934		886		826		748					
				14.8	.21	14.8	.21	14.8	.22	14.6	.23	14.3	.23	14.1	.24	14.0	.24	13.9	.24	13.8	.25				

*1/6 & 1/4 HP motor available only in single phase ODP type.

120 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
120C2B	1/6 15 lbs.	905	2843	970		857		737																	
				4.5	.05	4.4	.05	4.1	.05																
		987	3100	1057		955		846		698															
				5.4	.06	5.4	.06	5.1	.07	4.7	.07														
		1069	3358	1145		1051		951		846		341													
				6.5	.07	6.5	.08	6.2	.09	5.9	.09	5.5	.05												
		1151	3615	1233		1146		1053		961		831													
				7.6	.09	7.6	.10	7.4	.11	7.0	.11	6.7	.11												
		1233	3873	1321		1240		1154		1067		974		787											
				8.9	.11	8.9	.12	8.7	.13	8.3	.14	8.0	.13	7.6	.13										
1313	4124	1407		1331		1252		1169		1088		981		439											
		9.7	.14	9.7	.14	9.6	.15	9.4	.16	9.0	.16	8.6	.16	8.3	.10										
120C3B	1/4 15 lbs.	1411	4432	1512		1441		1368		1292		1216		1137		1021		433							
				10.8	.17	10.8	.18	10.8	.18	10.6	.20	10.2	.20	9.8	.20	9.5	.20	9.2	.12						
		1510	4743	1618		1552		1484		1414		1342		1272		1193		1072		472					
11.9	.21			11.9	.21	11.9	.22	11.7	.23	11.5	.25	11.1	.25	10.8	.25	10.4	.24	10.1	.14						
120C4B	1/3 19 lbs.	1590	4995	1703		1641		1577		1511		1443		1376		1308		1224		1087					
				12.8	.24	12.8	.25	12.8	.26	12.7	.27	12.5	.28	12.2	.29	11.8	.29	11.5	.29	11.2	.28				
		1669	5243	1788		1729		1668		1606		1541		1476		1413		1345		1256		316			
				13.8	.28	13.8	.29	13.8	.30	13.7	.31	13.5	.32	13.3	.33	12.9	.34	12.6	.33	12.3	.33	11.7	.14		

135 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP			
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
135C2B	1/6 15 lbs.	850	3004	1296		1162		1020		776																	
				5.2	.07	5.1	.07	4.8	.08	4.4	.08																
		926	3272	1412		1290		1159		1016																	
				6.1	.09	6.1	.09	5.9	.10	5.5	.10																
		1002	3541	1528		1416		1296		1175		982															
				7.2	.11	7.2	.12	7.0	.13	6.7	.13	6.3	.13														
		1079	3813	1646		1541		1431		1320		1196															
				8.4	.14	8.4	.14	8.3	.15	8.0	.16	7.6	.16														
135C3B	1/4 15 lbs.	1159	4096	1768		1671		1570		1465		1361		1220													
				9.9	.17	9.9	.18	9.7	.19	9.5	.20	9.1	.20	8.7	.20												
		1240	4382	1891		1801		1708		1610		1513		1410		1247											
				11.4	.21	11.4	.22	11.3	.23	11.1	.24	10.8	.25	10.4	.25	10.0	.24										
135C4B	1/3 19 lbs.	1306	4615	1992		1906		1818		1726		1633		1541		1428		1221									
				12.3	.24	12.3	.25	12.3	.26	12.1	.28	11.8	.29	11.4	.29	11.1	.29	10.7	.28								
		1371	4845	2091		2010		1926		1839		1750		1663		1571		1443									
				13.2	.28	13.2	.29	13.2	.30	13.0	.31	12.8	.33	12.4	.34	12.0	.33	11.7	.33								
135C5B	1/2 23 lbs.	1473	5206	2247		2171		2094		2014		1931		1849		1769		1681		1561							
				14.7	.35	14.7	.36	14.7	.37	14.5	.38	14.3	.40	14.0	.41	13.6	.42	13.3	.41	13.0	.41						
		1574	5562	2401		2330		2258		2184		2108		2030		1954		1878		1795		1514					
				16.2	.43	16.2	.43	16.2	.44	16.1	.46	15.9	.48	15.7	.50	15.4	.51	15.0	.51	14.7	.50	14.0	.49				

Performance certified for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels.

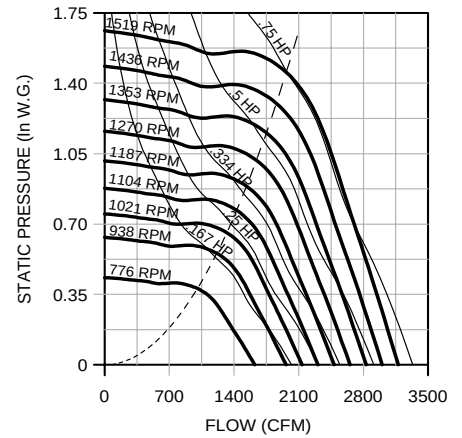
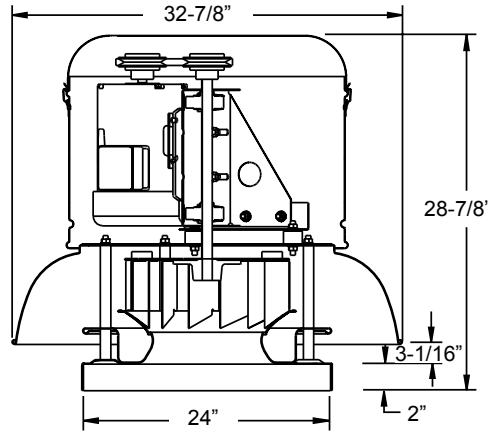
150 - 180 ACEB Data

150 ACEB

Wheel Diameter - 15"
Tip Speed (FPM) - $3.9 \times \text{RPM}$
Maximum RPM - 1519
Maximum BHP - $.22 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 70 lbs.
Roof Curb - RCG, RCA 22
Roof Opening - $19\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

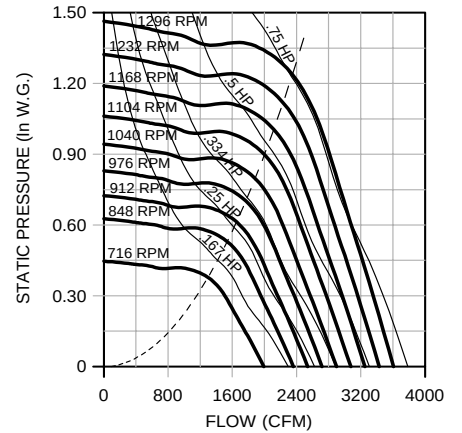
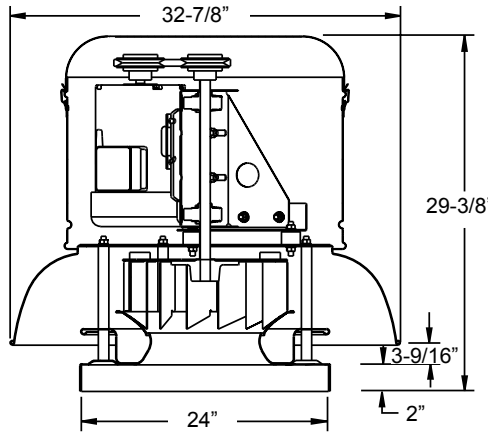


165 ACEB

Wheel Diameter - 16.5"
Tip Speed (FPM) - $4.3 \times \text{RPM}$
Maximum RPM - 1296
Maximum BHP - $.35 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 56
Approx. Ship Wt. (Less Motor) - 75 lbs.
Roof Curb - RCG, RCA 22
Roof Opening - $19\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .063

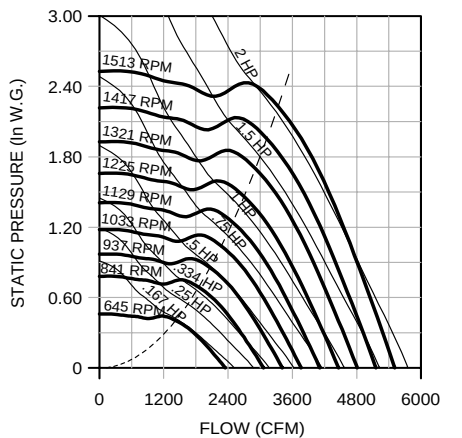
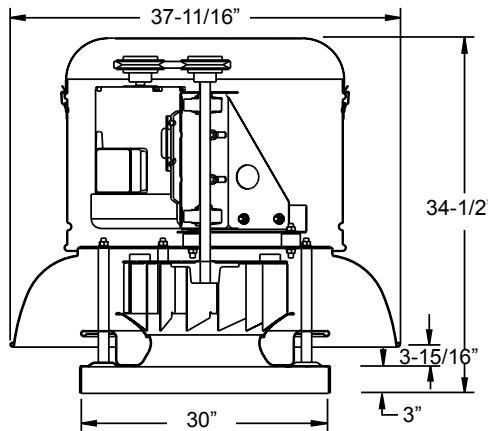


180 ACEB

Wheel Diameter - 18"
Tip Speed (FPM) - $4.7 \times \text{RPM}$
Maximum RPM - 1513
Maximum BHP - $.61 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 90 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - $25\frac{1}{2}"$ Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. *1/6 & 1/4 HP motor available only in single phase ODP type.

150 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
150C2B	1/6 15 lbs.	776	3047	1624		1460		1288		1024															
				5.5	.09	5.4	.09	5.1	.10	4.7	.10														
		840	3298	1757		1608		1448		1276															
				6.3	.11	6.3	.12	6.1	.13	5.7	.13														
150C3B	1/4 15 lbs.	904	3550	1891		1753		1605		1457		1224													
				7.2	.14	7.2	.14	7.1	.16	6.7	.16	6.3	.16												
		972	3817	2034		1905		1769		1632		1479													
				8.4	.17	8.4	.18	8.3	.19	8.0	.20	7.6	.20												
150C4B	1/3 19 lbs.	1040	4084	2176		2056		1931		1801		1672		1495											
				9.7	.21	9.7	.22	9.6	.23	9.4	.25	9.0	.25	8.6	.24										
		1150	4516	2406		2298		2187		2069		1953		1835		1677									
				12.0	.28	12.0	.29	12.0	.30	11.8	.32	11.5	.33	11.1	.33	10.7	.33								
150C5B	1/2 23 lbs.	1235	4849	2584		2483		2381		2273		2163		2056		1942		1785							
				14.1	.35	14.1	.36	14.1	.37	13.8	.39	13.6	.41	13.2	.41	12.7	.41	12.4	.41						
		1320	5183	2762		2668		2572		2473		2370		2269		2169		2059		1907					
				15.6	.43	15.6	.44	15.6	.45	15.4	.47	15.2	.49	14.9	.50	14.5	.51	14.1	.50	13.8	.50				
150C6B	3/4 31 lbs.	1420	5576	2971		2884		2795		2705		2610		2514		2421		2328		2226		1887			
				17.2	.53	17.2	.54	17.2	.55	17.2	.57	17.0	.59	16.8	.62	16.5	.63	16.1	.63	15.8	.63	15.1	.62		
		1519	5965	3178		3096		3014		2930		2844		2755		2665		2578		2491		2282			
				19.0	.65	19.0	.66	19.0	.67	19.0	.69	18.8	.71	18.6	.74	18.4	.76	18.0	.77	17.7	.77	17.1	.76		

165 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
165C2B	1/6 15 lbs.	716	3092	1994		1800		1594		1309															
				5.8	.11	5.7	.12	5.4	.13	5.0	.13														
		771	3330	2147		1968		1776		1573															
				6.6	.14	6.6	.15	6.4	.16	6.0	.16														
165C3B	1/4 15 lbs.	829	3581	2309		2143		1965		1788		1525													
				7.5	.17	7.5	.18	7.3	.20	6.9	.20	6.6	.20												
		887	3831	2470		2315		2152		1986		1803													
				8.5	.21	8.5	.22	8.3	.23	8.0	.25	7.7	.25												
165C4B	1/3 19 lbs.	934	4034	2601		2454		2301		2141		1982		1746											
				9.4	.24	9.4	.25	9.3	.27	9.0	.29	8.7	.29	8.3	.29										
		981	4237	2732		2592		2448		2295		2147		1971											
				10.4	.28	10.4	.29	10.4	.31	10.2	.33	9.8	.33	9.4	.33										
165C5B	1/2 23 lbs.	1053	4548	2933		2803		2669		2529		2388		2247		2064									
				12.2	.35	12.2	.36	12.1	.37	11.9	.40	11.6	.41	11.2	.41	10.8	.41								
		1126	4863	3136		3014		2891		2761		2628		2499		2362		2175							
				14.0	.43	14.0	.44	14.0	.45	13.8	.47	13.5	.50	13.1	.51	12.8	.50	12.4	.50						
165C6B	3/4 31 lbs.	1211	5231	3373		3260		3145		3027		2904		2782		2662		2532		2360					
				16.4	.53	16.4	.54	16.4	.56	16.2	.58	16.0	.60	15.7	.63	15.3	.63	14.9	.63	14.6	.62				
		1296	5598	3609		3504		3397		3288		3175		3060		2946		2834		2712					
				18.4	.65	18.4	.66	18.4	.68	18.3	.70	18.1	.72	17.9	.75	17.5	.77	17.1	.77	16.8	.77				

180 ACEB

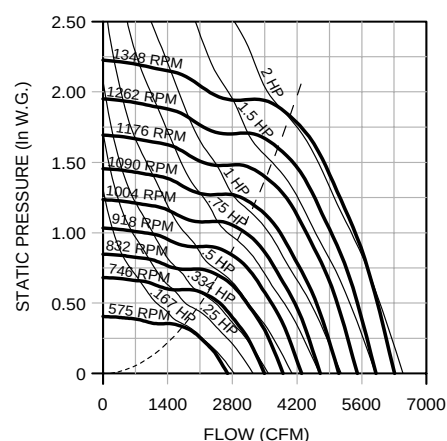
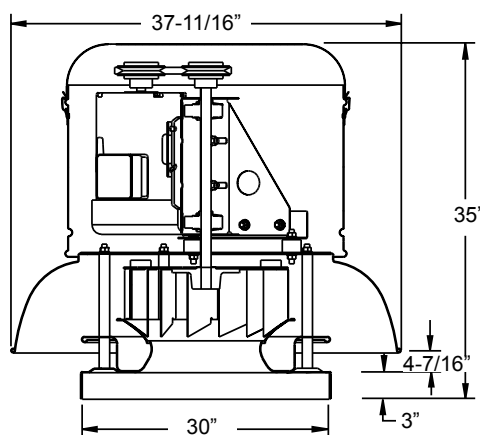
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
180C2B	1/6 15 lbs.	645	3039	2349		2123		1875		1539															
				6.1	.14	6.0	.15	5.3	.16	4.5	.16														
180C3B	1/4 15 lbs.	742	3496	2702		2509		2302		2070		1759													
				8.0	.21	7.9	.22	7.4	.24	6.6	.24	5.9	.25												
180C4B	1/3 19 lbs.	820	3864	2986		2813		2628		2433		2206		1901											
				9.6	.28	9.6	.30	9.1	.31	8.5	.33	7.7	.33	7.1	.33										
180C5B	1/2	881	4151	3208		3048		2877		2700		2506		2276											
				10.9	.35	10.9	.36	10.6	.38	10.1	.40	9.2	.41	8.6	.41										
	23 lbs.	942	4439	3430		3281		3123		2960		2787		2594		2361									
				12.4	.42	12.4	.44	12.1	.46	11.7	.48	10.9	.49	10.2	.50	9.5	.51								
180C6B	3/4 31 lbs.	1084	5108	3948		3819		3684		3544		3402		3253		3093		2915		2705					
				16.1	.65	16.1	.66	16.0	.69	15.6	.71	15.2	.73	14.4	.75	13.6	.76	12.9	.77	12.3	.77				
180C7B	1 36 lbs.	1196	5636	4355		4240		4118		3993		3866		3736		3601		3458		3304		2927			
				18.5	.87	18.5	.89	18.5	.91	18.2	.94	17.8	.97	17.4	.99	16.7	1.00	16.0	1.02	15.3	1.03	14.0	1.03		
180C8B	1-1/2 38 lbs.	1373	6470	5000		4900		4796		4688		4579		4468		4356		4242		4123		3867		3571	
				23	1.31	23	1.33	23	1.36	23	1.40	23	1.43	22	1.46	22	1.48	21	1.50	21	1.52	19.4	1.55	18.2	1.56
180C9B	2	1443	6799	5255		5160		5061		4960		4856		4751		4645		4538		4428		4196		3937	
				25	1.52	25	1.55	25	1.58	25	1.61	25	1.64	24	1.68	24	1.70	23	1.73	23	1.75	22	1.78	20	1.81
	50 lbs.	1513	7129	5510		5419		5326		5229		5131		5032		4931		4830		4726		4512		4280	
				27	1.75	27	1.78	27	1.81	27	1.84	27	1.88	26	1.92	26	1.95	26	1.97	25	2.00	24	2.04	23	2.07

195 ACEB

Wheel Diameter - 19.5"
Tip Speed (FPM) - 5.1 x RPM
Maximum RPM - 1348
Maximum BHP - .90 x (RPM/1000)³
Maximum Motor Frame - 145T
Approx. Ship Wt. (Less Motor) - 100 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .050
Top Cap Cylinder - .040
Baffle - .063
Base - .080

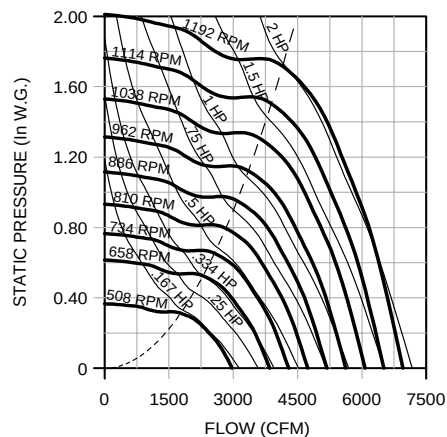
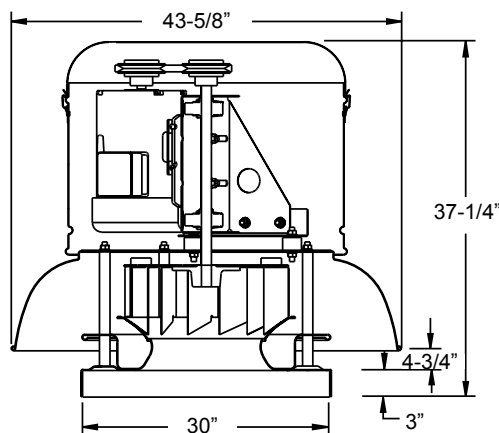


210 ACEB

Wheel Diameter - 21"
Tip Speed (FPM) - 5.5 x RPM
Maximum RPM - 1190
Maximum BHP - 1.3 x (RPM/1000)³
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 200 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

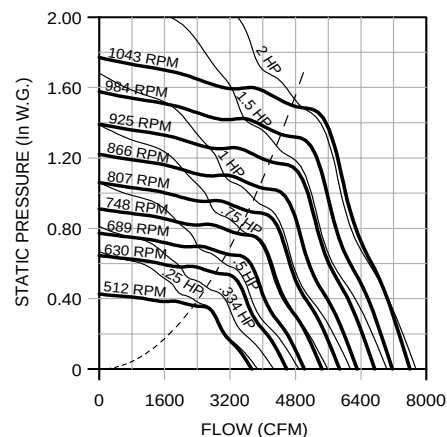
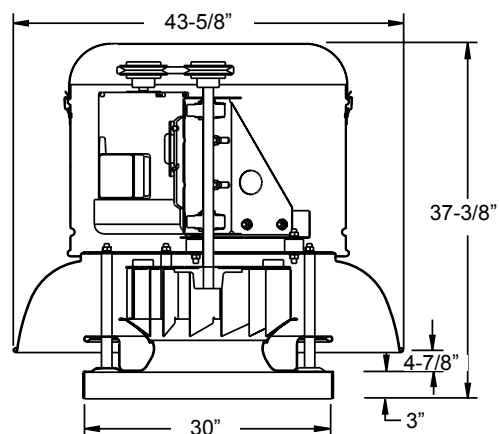


225 ACEB

Wheel Diameter - 22.5"
Tip Speed (FPM) - 5.9 x RPM
Maximum RPM - 1043
Maximum BHP - 1.9 x (RPM/1000)³
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 220 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels.

195 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
195C2B	1/6 15 lbs.	575	2935	2692		2467		2117																	
				5.9	.14	5.7	.15	4.9	.16																
195C3B	1/4 15 lbs.	661	3374	3094		2905		2653		2301															
				7.6	.22	7.5	.23	6.9	.24	6.1	.25														
195C4B	1/3 19 lbs.	731	3731	3422		3253		3052		2763		2395													
				9.1	.29	9.1	.31	8.7	.32	7.9	.33	7.2	.33												
195C5B	1/2 23 lbs.	839	4283	3927		3781		3622		3422		3158		2862											
				11.8	.44	11.8	.46	11.5	.48	11.0	.50	10.2	.50	9.4	.50										
195C6B	3/4 31 lbs.	903	4609	4227		4092		3948		3781		3558		3307		3003									
				113.5	.55	13.5	.57	13.3	.59	12.8	.61	12.1	.62	11.4	.63	10.6	.62								
	966	4931		4522		4396		4264		4117		3935		3707		3470		3159							
				15.3	.67	15.3	.70	15.2	.72	14.7	.74	14.2	.76	13.4	.77	12.7	.77	12.0	.76						
195C7B	1 36 lbs.	1066	5442	4990		4876		4758		4633		4492		4317		4110		3897		3656					
				18.2	.91	18.2	.93	18.2	.95	17.9	.98	17.5	1.00	17.0	1.02	16.2	1.03	15.5	1.03	14.7	1.03				
195C8B	1-1/2 38 lbs.	1145	5845	5360		5254		5145		5032		4909		4767		4595		4399		4201		3684			
				20	1.12	20	1.15	20	1.17	20	1.20	19.7	1.22	19.3	1.25	18.7	1.27	18.0	1.28	17.3	1.28	15.9	1.26		
	1224	6248		5730		5631		5530		5425		5315		5193		5053		4887		4702		4323		3701	
				22	1.37	22	1.40	22	1.43	22	1.45	22	1.48	22	1.51	21	1.53	20	1.55	19.8	1.56	18.5	1.56	17.3	1.51
195C9B	2 50 lbs.	1348	6881	6310		6220		6129		6036		5939		5837		5726		5603		5459		5128		4785	
				26	1.83	26	1.86	26	1.89	26	1.92	26	1.95	25	1.98	25	2.01	25	2.04	24	2.06	23	2.09	22	2.09

210 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
210C2B	1/6 15 lbs.	508	2792	2970		2691		2239																	
				5.4	.14	5.2	.16	4.3	.16																
210C3B	1/4 15 lbs.	584	3210	3415		3181		2849		2359															
				7.0	.22	6.9	.23	6.3	.25	5.5	.24														
210C4B	1/3 19 lbs.	646	3551	3777		3569		3310		2942		2310													
				8.4	.29	8.4	.31	7.9	.33	7.1	.33	6.4	.32												
210C5B	1/2 23 lbs.	742	4079	4338		4159		3961		3694		3365		2890											
				10.9	.44	10.9	.46	10.5	.48	9.9	.50	9.1	.50	8.4	.49										
210C6B	3/4 31 lbs.	854	4695	4993		4839		4676		4489		4244		3959		3639									
				14.4	.67	14.1	.70	13.9	.72	16.5	.74	12.8	.76	12.1	.77	11.3	.76								
210C7B	1 36 lbs.	898	4937	5251		5104		4951		4780		4570		4306		4032		3673							
				15.5	.78	15.5	.81	15.4	.83	15.0	.86	14.4	.88	13.6	.89	12.9	.89	12.2	.88						
	942	5178		5508		5368		5224		5066		4882		4648		4388		4114		3704					
				16.9	.91	16.9	.93	16.9	.96	16.5	.98	16.1	1.01	15.3	1.03	14.5	1.03	13.8	1.03	13.1	1.01				
210C8B	1-1/2 38 lbs.	1081	5943	6321		6199		6075		5946		5807		5649		5459		5240		5014		4477			
				22	1.37	22	1.40	22	1.43	21	1.46	21	1.49	21	1.51	20	1.54	19.3	1.56	18.6	1.56	17.2	1.54		
210C9B	2 50 lbs.	1137	6250	6648		6533		6416		6294		6165		6024		5862		5669		5456		5015		4296	
				23	1.59	23	1.62	23	1.66	23	1.69	23	1.72	22	1.75	22	1.75	21	1.80	21	1.81	19.2	1.81	17.9	1.76
	1192	6553		6970		6860		6748		6634		6514		6385		6241		6075		5883		5472		4987	
				25	1.83	25	1.87	25	1.90	25	1.93	25	1.97	24	2.00	24	2.03	23	2.06	23	2.08	21	2.09	19.9	2.07

225 ACEB

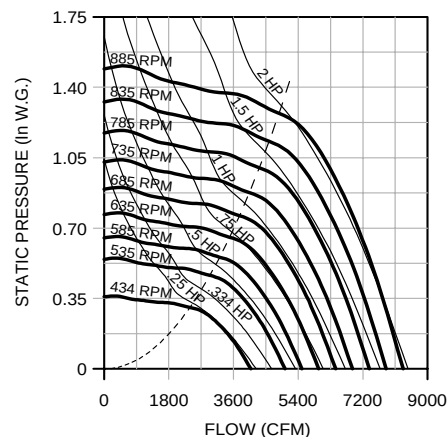
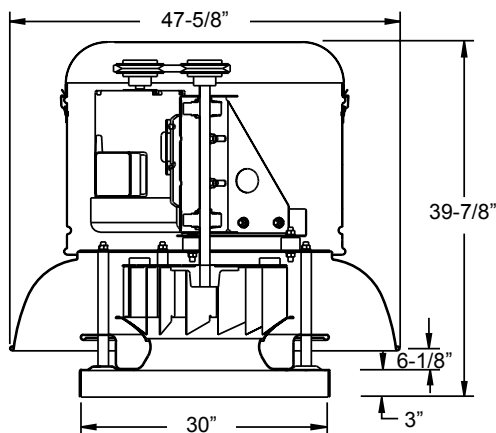
Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
225C3B	1/4 15 lbs.	512	3015	3729		3358		2940																	
				6.4	.22	6.2	.24	5.5	.25																
225C4B	1/3 19 lbs.	566	3334	4123		3802		3365		3120															
				7.6	.30	7.6	.32	7.0	.33	6.1	.33														
225C5B	1/2 23 lbs.	650	3828	4735		4464		4095		3778		3571													
				9.8	.46	9.8	.48	9.3	.50	8.6	.51	7.9	.50												
225C6B	3/4	698	4111	5084		4836		4523		4161		3957		3714											
				11.2	.57	11.2	.59	10.8	.61	10.2	.62	9.4	.62	8.7	.62										
	31 lbs.	747	4400	5441		5210		4940		4578		4335		4162		3816									
				12.7	.69	12.7	.71	12.4	.74	12.0	.76	11.1	.77	10.4	.76	9.6	.75								
225C7B	1 36 lbs.	825	4859	6009		5802		5573		5275		4965		4768		4613		4384							
				15.2	.93	15.2	.96	15.1	.98	14.6	1.01	14.1	1.03	13.3	1.03	12.5	1.03	11.8	1.02						
225C8B	1-1/2	886	5218	6454		6261		6055		5809		5491		5250		5086		4942		4732					
				17.4	1.16	17.4	1.18	17.4	1.21	16.9	1.24	16.5	1.27	15.8	1.28	15.0	1.28	14.2	1.27	13.5	1.27				
	38 lbs.	947	5578	6898		6718		6529		6316		6040		5757		5563		5417		5282					
				19.5	1.41	19.5	1.44	19.5	1.47	19.2	1.50	18.8	1.53	18.3	1.55	17.6	1.56	16.8	1.56	16.1	1.56				
225C9B	2	995	5861	7248		7077		6899		6703		6464		6179		5951		5787		5657		5341			
				21	1.64	21	1.67	21	1.70	21	1.73	21	1.76	20	1.79	19.7	1.81	18.9	1.81	18.2	1.81	16.8	1.80		
	50 lbs.	1043	6143	7597		7434		7266		7085		6875		6611		6356		6170		6026		5777			
				23	1.89	23	1.92	23	1.95	23	1.98	23	2.01	22	2.05	22	2.08	21	2.09	20	2.09	18.9	2.08		

245 ACEB

Wheel Diameter - 24.5"
Tip Speed (FPM) - 6.4 x RPM
Maximum RPM - 885
Maximum BHP - $3.0 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 240 lbs.
Roof Curb - RCG, RCA 28
Roof Opening - 25-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

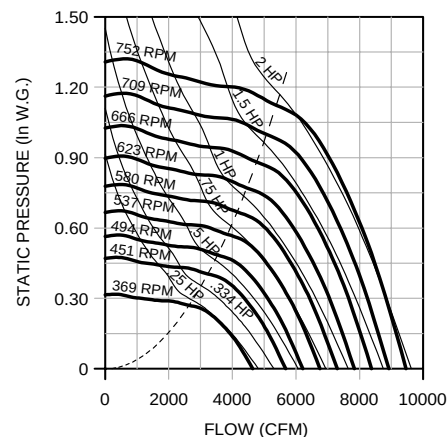
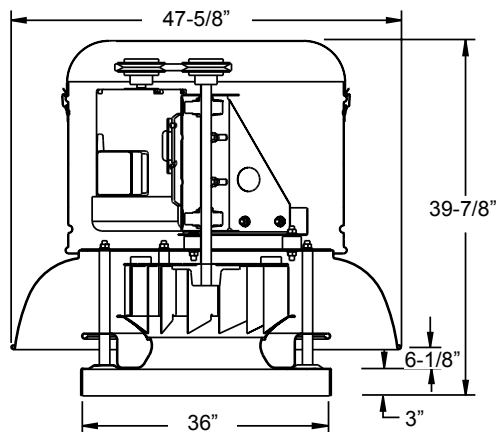


270 ACEB

Wheel Diameter - 27"
Tip Speed (FPM) - 7.1 x RPM
Maximum RPM - 752
Maximum BHP - $4.9 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 182T
Approx. Ship Wt. (Less Motor) - 260 lbs.
Roof Curb - RCG, RCA 34
Roof Opening - 31-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .040
Baffle - .080
Base - .080

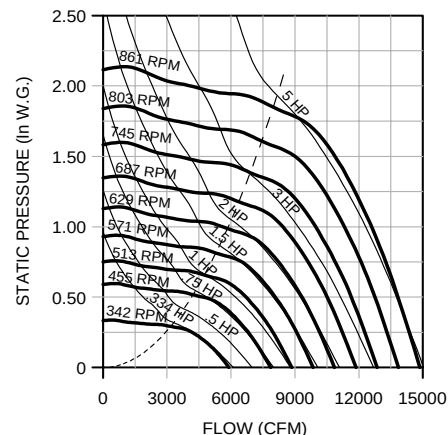
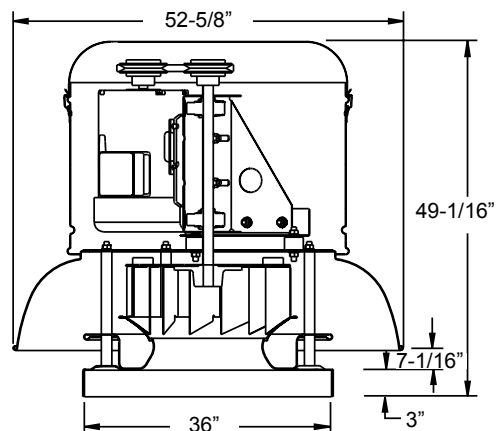


300 ACEB

Wheel Diameter - 30"
Tip Speed (FPM) - 7.9 x RPM
Maximum RPM (Standard Wheel) - 837
Maximum RPM (Reinforced Wheel) - 861
Maximum BHP - $8.3 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 184T
Approx. Ship Wt. (Less Motor) - 300 lbs.
Roof Curb - RCG, RCA 34
Roof Opening - 31-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. **Shaded area indicates reinforced wheel required.**

245 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
245C3B	1/4 15 lbs.	434	2783	4081		3651		3017																	
				5.6	.22	5.3	.24	4.5	.25																
245C4B	1/3 19 lbs.	480	3078	4513		4133		3633																	
				6.7	.30	6.6	.32	5.9	.33																
245C5B	1/2 23 lbs.	551	3534	5181		4856		4475		3969															
				8.8	.46	8.7	.48	8.1	.50	7.3	.50														
245C6B	3/4 31 lbs.	634	4066	5962		5682		5377		5009		4552		3863											
				11.1	.70	11.1	.72	10.7	.75	10.1	.76	9.3	.77	8.6	.74										
245C7B	1 36 lbs.	666	4271	6262		5996		5713		5380		4975		4464											
				12.2	.81	12.2	.84	11.9	.86	11.3	10.5	10.5	.89	9.7	.89										
		699	4483	6573		6320		6053		5751		5387		4954		4335									
				13.3	.94	13.3	.97	13.1	.99	12.6	1.01	11.8	1.02	11.0	1.03	10.3	1.00								
245C8B	1-1/2 38 lbs.	751	4816	7062		6827		6583		6316		6005		5644		5216		4593							
				15.2	1.16	15.2	1.19	15.1	1.22	14.6	1.24	14.0	1.26	13.2	1.27	12.4	1.27	11.7	1.24						
		803	5150	7551		7331		7105		6864		6594		6283		5930		5512		4913					
				17.2	1.42	17.2	1.45	17.2	1.48	16.7	1.51	16.3	1.53	15.5	1.55	14.7	1.56	13.9	1.56	13.2	1.51				
245C9B	2 50 lbs.	844	5413	7936		7728		7514		7289		7044		6764		6449		6094		5671					
				18.7	1.65	18.7	1.69	18.7	1.72	18.4	1.75	18.0	1.77	17.4	1.79	16.6	1.80	15.9	1.81	15.1	1.80				
		885	5676	8322		8123		7920		7709		7482		7230		6946		6632		6278		5121			
				20	1.90	20	1.94	20	1.97	20	2.01	19.7	2.03	19.3	2.05	18.5	2.07	17.8	2.08	17.1	2.09	15.6	1.97		

270 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP		
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone
270C3B	1/4 15 lbs.	369	2608	4644		4073		3118																		
				5.0	.22	4.7	.24	3.8	.24																	
270C4B	1/3 19 lbs.	408	2883	5135		4635		3931																		
				6.1	.30	5.9	.32	5.1	.33																	
270C5B	1/2 23 lbs.	468	3308	5890		5465		4939		4197																
				7.8	.46	7.7	.48	7.1	.50	6.3	.50															
270C6B	3/4 31 lbs.	504	3562	6343		5951		5495		4893		3724														
				9.1	.57	9.1	.60	8.5	.62	7.6	.63	6.8	.58													
		539	3809	6783		6419		6012		5496		4816														
				10.4	.70	10.4	.73	9.9	.75	9.1	.76	8.2	.76													
270C7B	1 36 lbs.	594	4198	7475		7146		6793		6375		5863		5192												
				12.2	.94	12.2	.97	11.9	.99	11.1	1.01	10.3	1.02	9.5	1.02											
270C8B	1-1/2 38 lbs.	638	4509	8029		7724		7402		7039		6603		6086		5370										
				13.7	1.16	13.7	1.19	13.5	1.22	13.0	1.25	12.2	1.26	11.3	1.27	10.6	1.25									
		683	4827	8596		8311		8015		7692		7316		6880		6365		5623								
				15.5	1.42	15.5	1.46	15.4	1.49	14.9	1.52	14.3	1.54	13.5	1.55	12.7	1.56	12.0	1.52							
270C9B	2 50 lbs.	717	5068	9023		8752		8473		8173		7834		7442		6995		6455		5497						
				16.9	1.65	16.9	1.68	16.9	1.72	16.4	1.75	16.0	1.77	15.1	1.79	14.3	1.80	13.6	1.80	12.9	1.69					
		752	5315	9464		9206		8941		8661		8352		7999		7601		7147		6583						
				18.4	1.9	18.4	1.94	18.4	1.98	18.0	2.01	17.6	2.04	16.9	2.06	16.1	2.07	15.3	2.08	14.6	2.06					

300 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
300C4B	1/3 19 lbs.	342	2686	5904		5227		4171																	
				6.1	.30	5.2	.32	4.4	.33																
300C5B	1/2 23 lbs.	393	3086	6785		6216		5468		3986															
				8.0	.46	7.2	.49	6.4	.5	5.8	.46														
300C6B	3/4 31 lbs.	452	3550	7803		7317		6749		5999		4458													
				10.7	.70	9.9	.73	8.9	.75	8.2	.76	7.6	.69												
300C7B	1 36 lbs.	499	3919	8615		8178		7696		7096		6334													
				13.0	.94	12.5	.97	11.3	1.00	10.5	1.02	9.8	1.03												
300C8B	1-1/2 38 lbs.	573	4500	9892		9514		9115		8664		8123		7480		6581									
				16.4	1.42	16.1	1.46	14.9	1.50	14.0	1.53	13.3	1.55	12.7	1.56	12.1	1.53								
300C9B	2 50 lbs.	631	4955	10894		10551		10196		9813		9374		8865		8278		7529							
				18.9	1.90	18.9	1.94	17.8	1.99	16.9	2.02	16.3	2.05	15.6	2.07	15.0	2.08	14.3	2.06						
300C10B	3 74 lbs.	677	5317	11688		11369		11042		10696		10315		9878		9386		8825		8128					
				21	2.34	21	2.39	20	2.44	19.4	2.48	18.7	2.52	18.1	2.54	17.5	2.56	16.9	2.57	16.4	2.55				
		724	5686	12499		12201		11898		11581		11241		10864		10439		9970		9441		7742			
				24	2.87	24	2.92	23	2.97	22	3.02	21	3.06	21	3.09	20	3.11	19.5	3.13	18.9	3.14	17.9	2.98		
300C11B	5 98 lbs.	792	6220	13673		13401		13125		12842		12545		12228		11878		11493		11073		10098		8410	
				28	3.75	28	3.81	28	3.87	27	3.92	26	3.97	25	4.01	24	4.05	24	4.07	23	4.09	22	4.11	21	3.88
		861	6762	14864		14614		14362		14105		13839		13562		13265		12944		12594		11814		10882	
				33	4.82	33	4.89	33	4.95	31	5.01	30	5.07	29	5.12	29	5.16	28	5.20	28	5.22	26	5.27	25	5.28

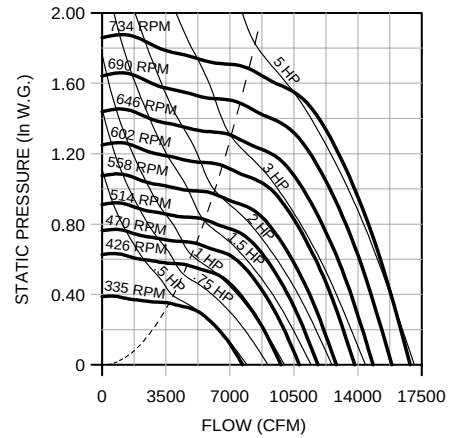
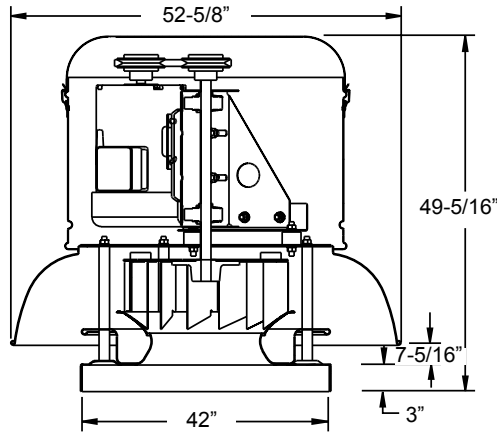
330 - 402 ACEB Data

330 ACEB

Wheel Diameter - 33"
Tip Speed (FPM) - $8.6 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 716
Maximum RPM (Reinforced Wheel) - 734
Maximum BHP - $13.3 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 184T
Approx. Ship Wt. (Less Motor) - 365 lbs.
Roof Curb - RCG, RCA 40
Roof Opening - $37\text{-}1/2"$ Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

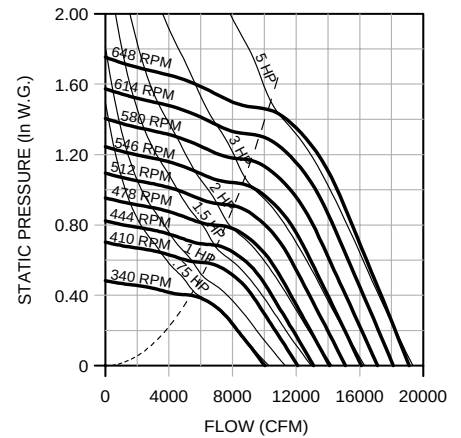
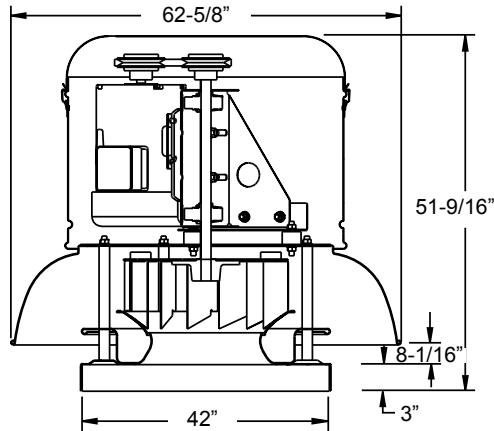


365 ACEB

Wheel Diameter - 36.5"
Tip Speed (FPM) - $9.6 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 624
Maximum RPM (Reinforced Wheel) - 648
Maximum BHP - $19.4 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 184T
Approx. Ship Wt. (Less Motor) - 380 lbs.
Roof Curb - RCG, RCA 40
Roof Opening - $37\text{-}1/2"$ Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

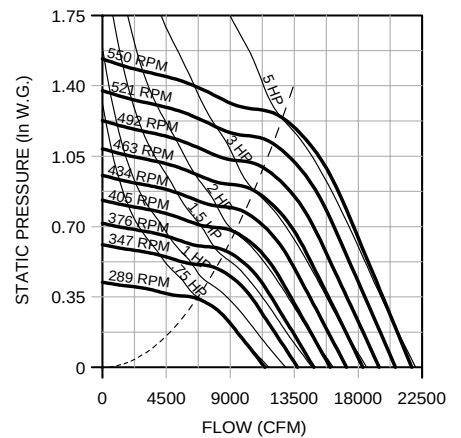
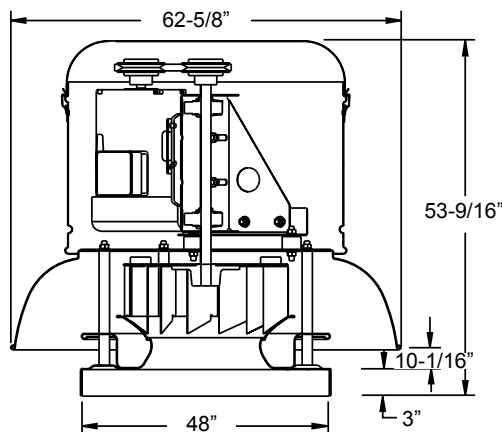


402 ACEB

Wheel Diameter - 40.25"
Tip Speed (FPM) - $10.5 \times \text{RPM}$
Maximum RPM (Standard Wheel) - 539
Maximum RPM (Reinforced Wheel) - 550
Maximum BHP - $31.7 \times (\text{RPM}/1000)^3$
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 440 lbs.
Roof Curb - RCG, RCA 46
Roof Opening - $43\text{-}1/2"$ Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. **Shaded area indicates reinforced wheel required.**

330 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
330C5B	1/2 23 lbs.	335	2894	7698		6953		5909																	
				7.2	.46	6.3	.49	5.5	.50																
330C6B	3/4 31 lbs.	385	3326	8847		8215		7437		6343															
				9.5	.69	8.7	.73	7.8	.75	7.1	.76														
330C7B	1 36 lbs.	425	3671	9766		9198		8551		7712		6479													
				11.6	.93	10.9	.97	9.8	1.00	9.1	1.02	8.5	1.00												
330C8B	1-1/2 38 lbs.	488	4216	11213		10723		10198		9577		8818		7831											
				15.2	1.41	14.8	1.46	13.5	1.50	12.7	1.53	12.0	1.55	11.3	1.54										
330C9B	2	513	4432	11788		11323		10830		10268		9590		8774		7490									
				16.7	1.64	16.4	1.69	15.1	1.74	14.3	1.77	13.6	1.79	12.9	1.80	12.2	1.73								
	50 lbs.	538	4647	12362		11920		11456		10941		10330		9614		8717		6588							
				18.0	1.89	17.8	1.95	16.6	1.99	15.7	2.03	15.0	2.06	14.3	2.07	13.7	2.06	13.1	1.83						
330C10B	3 74 lbs.	578	4993	13281		12870		12444		11985		11463		10856		10159		9289		7299					
				19.9	2.35	19.8	2.40	18.7	2.46	17.7	2.50	17.0	2.54	16.4	2.56	15.8	2.57	15.2	2.56	14.6	2.30				
		618	5339	14200		13816		13422		13006		12548		12023		11433		10762		9935					
				22	2.87	22	2.93	21	2.99	20	3.04	19.2	3.08	18.6	3.11	18.0	3.13	17.4	3.15	16.8	3.12				
330C11B	5	676	5840	15533		15182		14825		14456		14060		13628		13143		12607		12015		10444			
				26	3.76	26	3.82	25	3.89	24	3.95	23	4.00	22	4.04	22	4.07	21	4.10	20	4.12	19.3	4.04		
	98 lbs.	734	6341	16866		16543		16216		15880		15530		15158		14753		14305		13818		12704		11107	
				30	4.81	30	4.88	29	4.95	28	5.02	27	5.08	26	5.13	26	5.18	25	5.21	24	5.24	23	5.27	22	5.14

365 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
365C6B	3/4 31 lbs.	340	3248	10031		8971		7888		6233															
				9.1	.70	8.4	.74	7.5	.76	6.8	.74														
365C7B	1 36 lbs.	375	3583	11064		10106		9124		8060															
				11.2	.94	10.4	.99	9.4	1.00	8.7	1.02														
365C8B	1-1/2 38 lbs.	403	3850	11890		11000		10088		9168		7840													
				13.0	1.16	12.3	1.22	11.2	1.24	10.4	1.27	9.7	1.25												
		431	4118	12716		11885		11036		10184		9220		7455											
				14.8	1.42	14.3	1.48	13.0	1.51	12.2	1.54	11.5	1.55	10.8	1.49										
365C9B	2 50 lbs.	453	4328	13365		12575		11770		10957		10117		8900											
				16.2	1.65	15.8	1.72	14.5	1.75	13.7	1.77	13.0	1.8	12.3	1.77										
		475	4538	14014		13261		12496		11718		10942		10002		8400									
				17.6	1.90	17.4	1.97	16.1	2.02	15.2	2.04	14.6	2.07	13.9	2.07	13.2	2.00								
365C10B	3 74 lbs.	510	4873	15047		14346		13637		12913		12194		11447		10469		8824							
				20	2.36	19.9	2.43	18.7	2.49	17.7	2.51	17.0	2.54	16.4	2.57	15.7	2.56	15.1	2.46						
		545	5207	16079		15424		14762		14089		13411		12739		12004		11012		9415					
				22	2.87	22	2.96	21	3.02	20	3.06	19.2	3.08	18.6	3.11	18.0	3.14	17.4	3.11	16.8	3.00				
365C11B	5 98 lbs.	597	5704	17613		17016		16414		15804		15185		14568		13954		13295		12476					
				25	3.78	25	3.87	25	3.95	23	4.00	22	4.03	22	4.05	21	4.09	21	4.13	20	4.11				
		648	6192	19118		18567		18014		17456		16889		16318		15751		15186		14589		12987			
				29	4.83	29	4.93	28	5.02	27	5.09	26	5.13	25	5.16	25	5.19	24	5.23	24	5.27	22	5.21		

402 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
402C6B	3/4 31 lbs.	289	3045	11434	10053	8617																			
				8.2	.70	7.3	.74	6.5	.76																
402C7B	1 36 lbs.	319	3361	12621	11375	10102		8433																	
				9.9	.94	9.1	.99	8.2	1.01	7.5	1.01														
402C8B	1-1/2 38 lbs.	343	3614	13570	12414	11229		9959																	
				11.5	1.17	10.8	1.23	9.7	1.25	9.0	1.28														
		366	3856	14480	13398	12289		11171		9563															
				13.4	1.42	12.5	1.49	11.3	1.51	10.6	1.54	9.8	1.52												
402C9B	2 50 lbs.	384	4046	15192	14162	13108		12052		10794															
				14.4	1.64	13.9	1.71	12.7	1.75	11.9	1.77	11.2	1.78												
		403	4246	15944	14963	13962		12955		11884		10197													
				15.8	1.89	15.4	1.97	14.1	2.01	13.3	2.04	12.6	2.07	11.9	2.02										
402C10B	3 74 lbs.	433	4562	17131	16219	15292		14350		13412		12288		10416											
				18.0	2.35	17.7	2.43	16.5	2.49	15.6	2.51	14.9	2.55	14.2	2.56	13.6	2.48								
		463	4878	18318	17465	16603		15723		14849		13939		12753											
402C11B	5 98 lbs.	507	5342	20058	19281	18496		17699		16893		16098		15260		14217		12665							
				24	3.77	24	3.87	23	3.95	22	4.01	21	4.03	20	4.07	19.5	4.11	18.9	4.10	18.3	4.01				
		550	5795	21760	21043	20322		19592		18851		18111		17377		16604		15680							
				27	4.81	27	4.92	26	5.02	25	5.09	24	5.13	24	5.15	23	5.20	22	5.25	22	5.25				

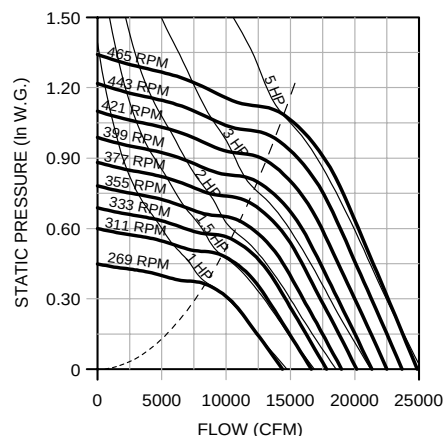
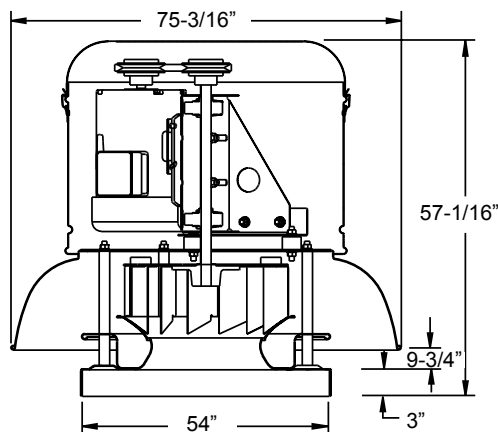
445 - 540 ACEB Data

445 ACEB

Wheel Diameter - 44.5"
Tip Speed (FPM) - 11.7 x RPM
Maximum RPM (Standard Wheel) - 463
Maximum RPM (Reinforced Wheel) - 465
Maximum BHP - 52.3 x (RPM/1000)³
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 500 lbs.
Roof Curb - RCG, RCA 52
Roof Opening - 49-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

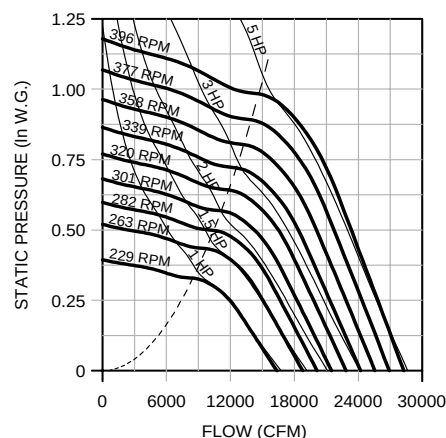
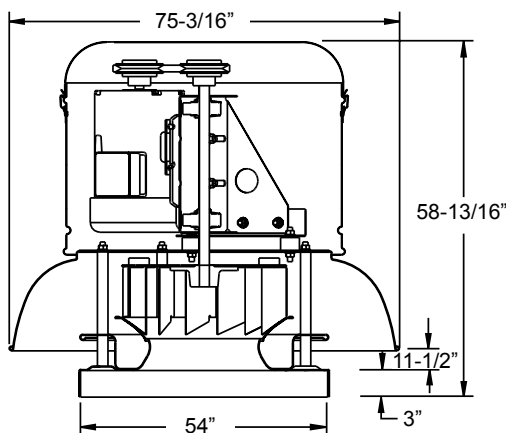


490 ACEB

Wheel Diameter - 49"
Tip Speed (FPM) - 12.8 x RPM
Maximum RPM (Standard Wheel) - 360
Maximum RPM (Reinforced Wheel) - 396
Maximum BHP - 84.6 x (RPM/1000)³
Maximum Motor Frame - 213T
Approx. Ship Wt. (Less Motor) - 650 lbs.
Roof Curb - RCG, RCA 52
Roof Opening - 49-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080

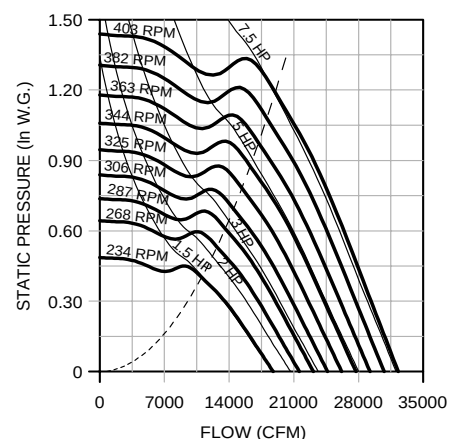
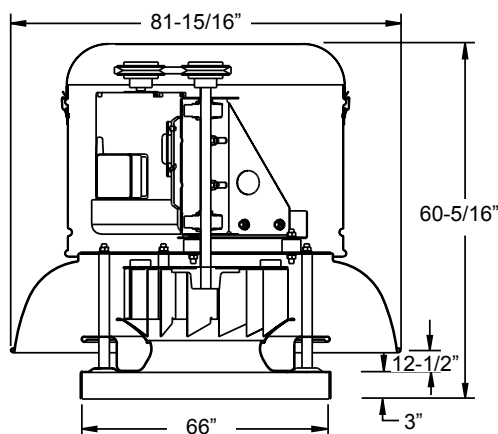


540 ACEB

Wheel Diameter - 54"
Tip Speed (FPM) - 14.1 x RPM
Maximum RPM (Standard Wheel) - 347
Maximum RPM (Reinforced Wheel) - 401
Maximum BHP - 120.6 x (RPM/1000)³
Maximum Motor Frame - 215T
Approx. Ship Wt. (Less Motor) - 858 lbs.
Roof Curb - RCG, RCA 64
Roof Opening - 61-1/2" Sq.

Material Gauges

Top Cap Lid - .063
Top Cap Cylinder - .050
Baffle - .080
Base - .080



Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet fan sone levels. **Shaded area indicates reinforced wheel required.**

445 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
445C7B	1 36 lbs.	269	3133	14382		12746		11064																	
				8.8	.93	8.0	.99	7.1	1.01																
445C8B	1-1/2 38 lbs.	289	3366	15451		13933		12382		10364															
				10.1	1.15	9.3	1.22	8.4	1.25	7.7	1.24														
		309	3599	16521		15104		13651		12086															
445C9B	2 50 lbs.	325	3786	11.6	1.41	10.9	1.49	9.8	1.51	9.0	1.54														
				17376		16030		14650		13245		11044													
		341	3972	12.8	1.64	12.2	1.72	11.0	1.76	10.2	1.79	9.5	1.75												
				18232		16950		15637		14322		12655													
445C10B	3 74 lbs.	366	4263	14.1	1.90	13.6	1.98	12.3	2.02	11.5	2.06	10.8	2.06												
				19568		18376		17159		15933		14639		12643											
		391	4555	16.1	2.34	15.7	2.44	14.4	2.49	13.6	2.52	12.9	2.56	12.1	2.50										
445C11B	5 98 lbs.	428	4986	20905		19790		18656		17504		16356		14977		12666									
				18.1	2.86	17.8	2.96	16.6	3.03	15.8	3.06	15.0	3.1	14.3	3.12	13.7	3.02								
		465	5417	22883		21865		20836		19786		18739		17676		16380		14389							
		21	3.75	21	3.86	20	3.95	18.9	4.00	18.2	4.03	17.6	4.08	16.9	4.09	16.3	3.98								
		24861		23925		22981		22022		21052		20092		19100		17912		16211							
		25	4.81	25	4.93	24	5.04	23	5.11	22	5.14	21	5.18	20	5.24	19.7	5.25	19.1	5.14						

490 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
490C7B	1 36 lbs.	229	2937	16346		14223		11950																	
				7.8	.93	6.9	.99	6.2	1.02																
490C8B	1-1/2 38 lbs.	246	3155	17559		15590		13568		9724															
				9.0	1.15	8.1	1.22	7.3	1.25	6.6	1.17														
		263	3373	18773		16935		15057		12633															
10.4	1.41			9.6	1.49	8.6	1.52	7.9	1.52																
490C9B	2 50 lbs.	277	3553	19772		18031		16246		14273															
				11.5	1.64	10.8	1.73	9.7	1.77	8.9	1.79														
		290	3720	20700		19038		17333		15574		12543													
				12.6	1.89	11.9	1.98	10.8	2.02	10.0	2.06	9.2	1.99												
490C10B	3 74 lbs.	312	4002	22271		20729		19148		17566		15609													
				14.5	2.35	14.0	2.46	12.7	2.51	11.9	2.55	11.2	2.55												
		333	4271	23770		22326		20853		19369		17806		15411											
16.3	2.86			15.9	2.97	14.7	3.04	13.8	3.07	13.1	3.12	12.4	3.05												
490C11B	5 98 lbs.	365	4682	26054		24738		23404		22044		20695		19189		16912									
				19.3	3.76	19.0	3.89	17.8	3.98	16.8	4.02	16.1	4.07	15.5	4.11	14.8	4.02								
		396	5079	28266		27055		25831		24583		23333		22080		20633		18518							
				22	4.80	22	4.95	21	5.06	19.9	5.12	19.2	5.16	18.5	5.22	17.8	5.25	17.2	5.14						

540 ACEB

Catalog Number	Mtr. HP/ Drv. Wt.	Fan RPM	Tip Speed	0.00" SP		0.125" SP		0.250" SP		0.375" SP		0.500" SP		0.625" SP		0.750" SP		0.875" SP		1.000" SP		1.250" SP		1.500" SP	
				Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP	Sone	BHP
540C8B	1-1/2 38 lbs.	234	3308	18852		16755		14603		11865															
				10.3	1.52	10.6	1.55	10.2	1.55	9.7	1.52														
540C9B	2 50 lbs.	258	3647	20786		18883		16967		14843															
				12.5	2.04	13.0	2.07	12.0	2.07	11.9	2.07														
540C10B	3 74 lbs.	277	3916	22317		20544		18769		16900		14598													
				14.3	2.53	14.8	2.55	13.4	2.57	13.7	2.56	13.1	2.53												
		296	4184	23847		22189		20531		18828		16922		14490											
540C11B	5 98 lbs.	315	4453	16.0	3.08	16.4	3.11	15.6	3.13	15.3	3.13	14.9	3.12	14.3	3.05										
				25378		23820		22262		20686		19005		17002											
		334	4721	17.8	3.72	18.2	3.75	17.7	3.77	16.8	3.77	16.8	3.77	16.1	3.74										
				26909		25439		23970		22494		20963		19267		17189									
540C12B	7-1/2 120 lbs.	352	4976	19.6	4.43	20	4.46	20	4.49	18.3	4.5	18.7	4.49	18.1	4.49	17.3	4.42								
				28359		26964		25570		24175		22747		21230		19481		17386							
		369	5216	21	5.18	22	5.22	22	5.25	20	5.27	20	5.26	20	5.26	19.3	5.23	18.6	5.14						
				29728		28398		27068		25739		24391		22989		21457		19642		17587					
540C12B	7-1/2 120 lbs.	386	5456	23	5.97	24	6.01	24	6.05	23	6.07	22	6.06	22	6.06	21	6.05	20	5.99	19.9	5.89				
				31098		29827		28554		27284		26005		24691		23299		21732		19892					
		403	5697	25	6.84	25	6.87	26	6.91	25	6.94	23	6.94	24	6.94	23	6.94	22	6.91	22	6.83				
				32468		31250		30031		28815		27594		26352		25059		23667		22069					
				27	7.78	27	7.82	28	7.86	27	7.89	25	7.90	25	7.90	25	7.90	25	7.89	24	7.84				

Performance certified is for Installation Type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories) in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hem