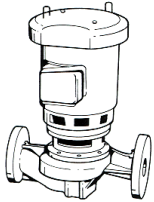


JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



2x2x7 Series 80[®] In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

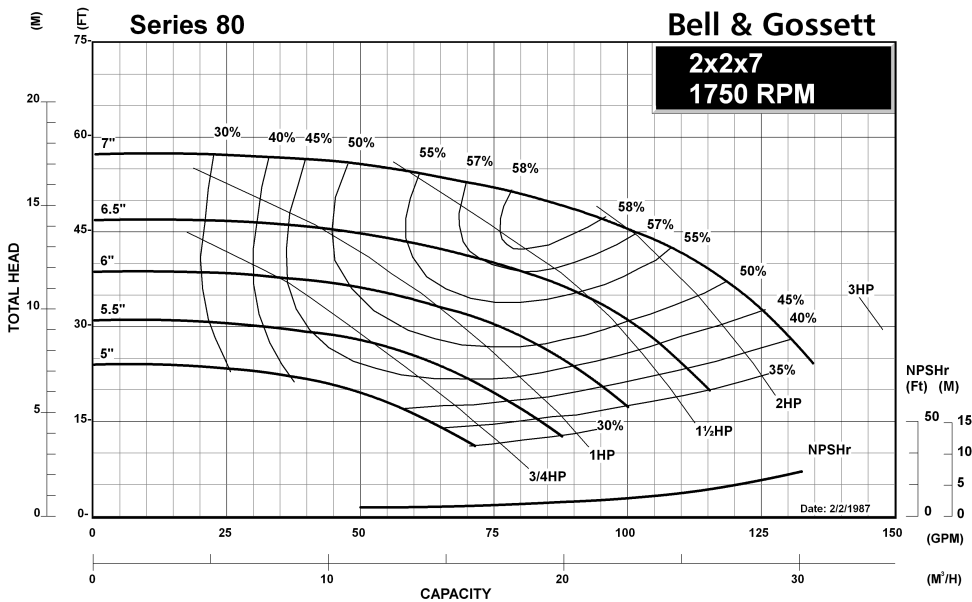
- BRONZE FITTED ALL IRON

MAXIMUM WORKING PRESSURE

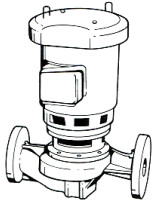
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
 250 psi (17 bar) W.P. with 250# ANSI flange drilling (requires 80-S)
 300 psi (21 bar) W.P. with 250# ANSI flange drilling (EPR-Sintered Silicon Carbide-Sintered Silicon Carbide) Requires 80-S

TYPE OF SEAL

- 80 Standard Seal (Buna-Carbon/Ceramic)
 80 -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
 80 -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
 80 -D Stuffing Box construction w/ Flushed Double Mechanical Seal (EPR-Carbon/Ceramic) Requires external water source
 80 -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated PTFE)



JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO.: SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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2x2x7 Series 80[®] In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

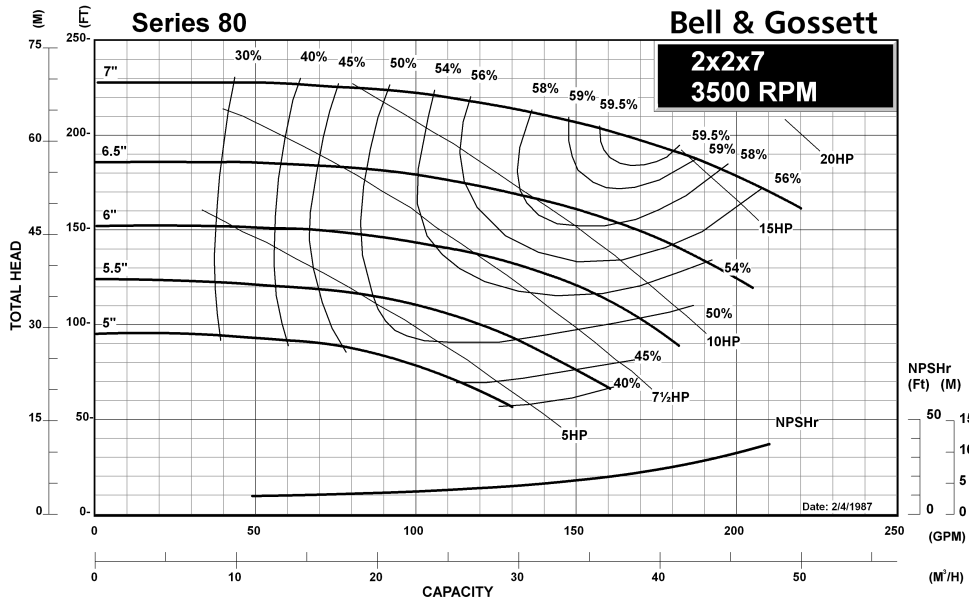
- BRONZE FITTED ALL IRON

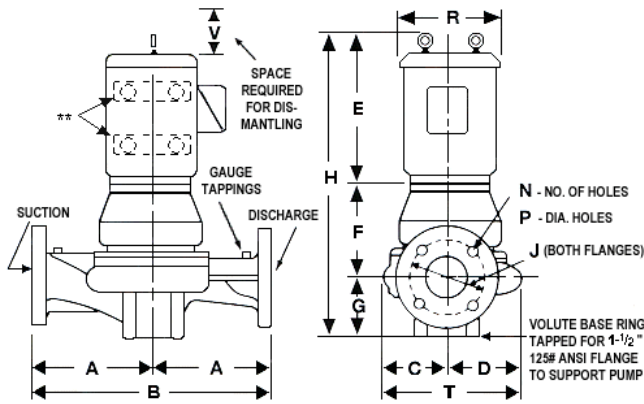
MAXIMUM WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
 250 psi (17 bar) W.P. with 250# ANSI flange drilling (requires 80-S)
 300 psi (21 bar) W.P. with 250# ANSI flange drilling (EPR-Sintered Silicon Carbide-Sintered Silicon Carbide) Requires 80-S

TYPE OF SEAL

- 80 Standard Seal (Buna-Carbon/Ceramic)
 80 -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
 80 -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
 80 -D Stuffing Box construction w/ Flushed Double Mechanical Seal (EPR-Carbon/Ceramic) Requires external water source
 80 -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated PTFE)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	2"	7/8 (21)	6-1/4 (159)
Suction	2"	7/8 (21)	6-1/4 (159)

Flanges are 125# ANSI - Standard
250# ANSI - Available

** Motor may be supplied with feet

DIMENSIONS - Inches (mm) STANDARD SEAL 80, 80-F

MOTOR FRAME	A	B	C	D	E (Max)	F	G	H (Max)	125# ANSI			250# ANSI			R	S (Max)*	T	V (Min)
									J	N	P	J	N	P				
143	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	11-5/8 (295)	4-5/8 (117)	4-7/8 (124)	21-1/8 (537)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	9-3/4 (248)	1-1/2 (38)	10 (254)	4 (102)
145	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	12-5/8 (321)	4-5/8 (117)	4-7/8 (124)	22-1/8 (562)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	9-3/4 (248)	1-1/2 (38)	10 (254)	4 (102)
182	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	15-5/16 (389)	4-5/8 (117)	4-7/8 (124)	24-13/16 (630)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	11-3/4 (298)	1 (25)	10 (254)	4 (102)
184	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	15-5/16 (389)	4-5/8 (117)	4-7/8 (124)	24-13/16 (630)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	11-3/4 (298)	1 (25)	10 (254)	4 (102)
213	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	19-1/4 (489)	4-5/8 (117)	4-7/8 (124)	28-3/4 (730)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	14 (356)	-	10 (254)	4 (102)
215	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	19-1/4 (489)	4-5/8 (117)	4-7/8 (124)	28-3/4 (730)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	14 (356)	-	10 (254)	4 (102)
254	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	24-1/8 (613)	8-1/2 (216)	4-7/8 (124)	37-1/2 (952)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	17 (432)	-	10 (254)	4 (102)

STUFFING BOX 80-PF, 80-S, 80-D

MOTOR FRAME	A	B	C	D	E (Max)	F	G	H (Max)	125# ANSI			250# ANSI			R	S (Max)*	T	V (Min)
									J	N	P	J	N	P				
143	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	11-5/8 (295)	7-3/4 (197)	4-7/8 (124)	24-1/4 (616)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	9-3/4 (248)	1-1/2 (38)	10 (254)	4 (102)
145	8-1/2 (216)	17 (432)	4-3/4 (121)	5.25	12-5/8 (321)	7-3/4 (197)	4-7/8 (124)	25-1/4 (641)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	9-3/4 (248)	1-1/2 (38)	10 (254)	4 (102)
182	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	15-5/16 (389)	7-3/4 (197)	4-7/8 (124)	27-15/16 (710)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	11-3/4 (298)	1 (25)	10 (254)	4 (102)
184	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	15-5/16 (389)	7-3/4 (197)	4-7/8 (124)	27-15/16 (710)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	11-3/4 (298)	1 (25)	10 (254)	4 (102)
213	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	19-1/4 (489)	8-1/2 (216)	4-7/8 (124)	32-5/8 (829)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	14 (356)	-	10 (254)	4 (102)
215	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	19-1/4 (489)	8-1/2 (216)	4-7/8 (124)	32-5/8 (829)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	14 (356)	-	10 (254)	4 (102)
254	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	24-1/8 (613)	8-1/2 (216)	4-7/8 (124)	37-1/2 (952)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	17 (432)	-	10 (254)	4 (102)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

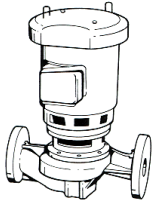
NOTE: For 1 phase Motors add 1" to dimensions E & H.

*For TEFC Motors add S dimension to dimensions E& H.

Xylem Inc.
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Phone: (847)966-3700
Fax: (847)965-8379
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JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.:	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



2x2x7 Series 80[®] In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

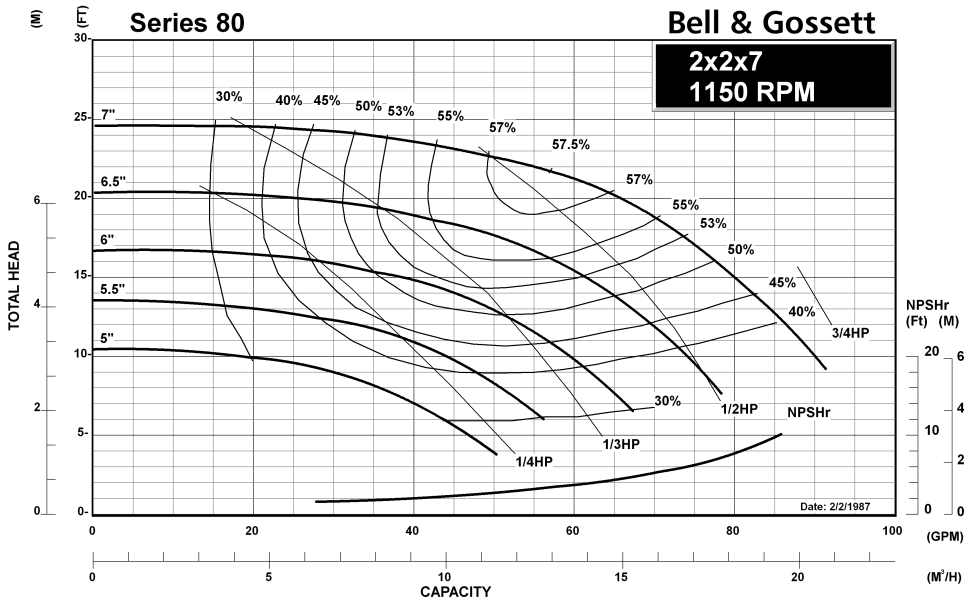
BRONZE FITTED ALL IRON

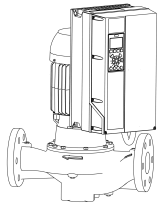
MAXIMUM WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling (requires 80-S)
- 300 psi (21 bar) W.P. with 250# ANSI flange drilling (EPR-Sintered Silicon Carbide-Sintered Silicon Carbide) Requires 80-S

TYPE OF SEAL

- 80 Standard Seal (Buna-Carbon/Ceramic)
- 80 -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
- 80 -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
- 80 -D Stuffing Box construction w/ Flushed Double Mechanical Seal (EPR-Carbon/Ceramic) Requires external water source
- 80 -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated PTFE)

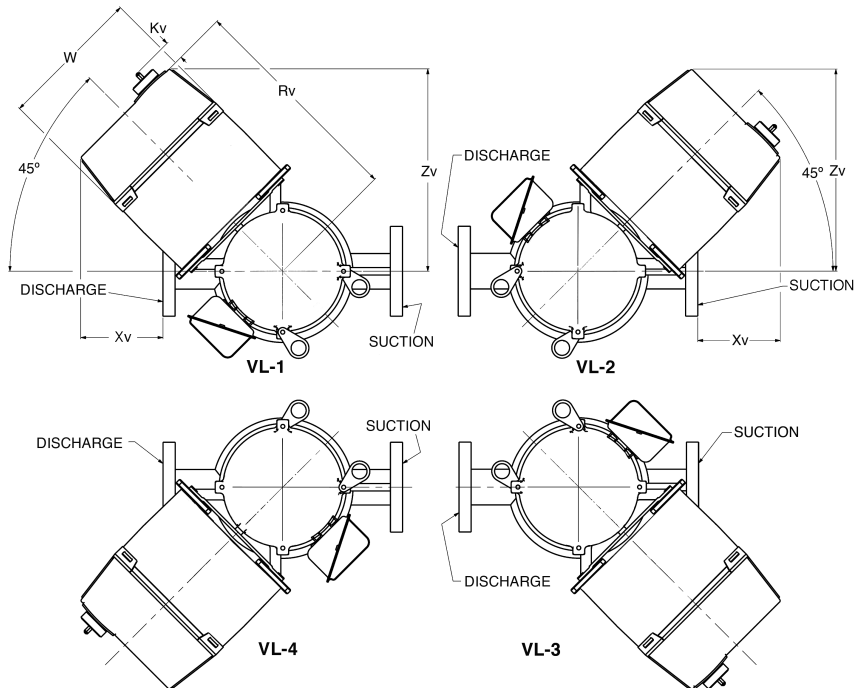
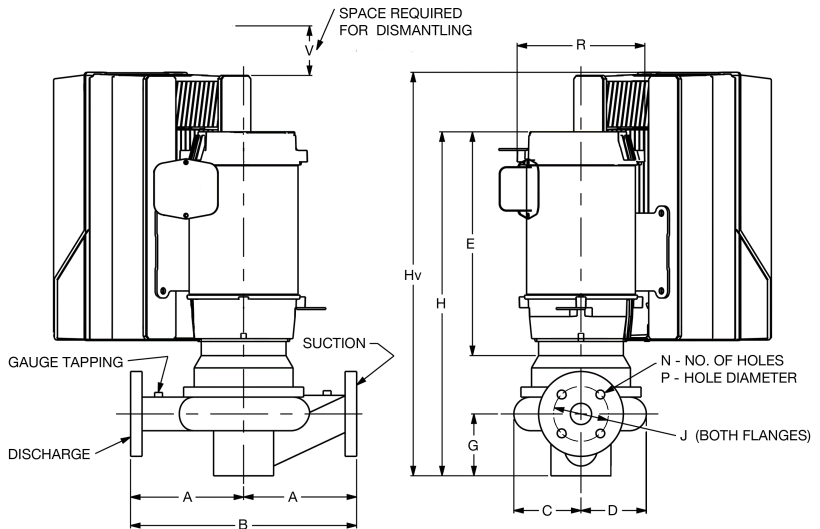




2x2x7 Series 80[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

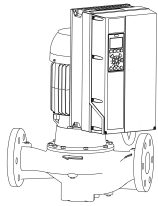
TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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2x2x7 Series 80[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

STANDARD SEAL 80, 80-F

MOTOR FRAME	A	B	E (Max)	G	H (Max)	125# ANSI			250# ANSI			R	VFD	Rv	Zv	W	Hv	Xv
						J	N	P	J	N	P							
143	8-1/2 (216)	17 (432)	11-5/8 (295)	4-7/8 (124)	21-1/8 (537)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	9-3/4 (248)	A5	11-25/32 (299)	11-21/64 (288)	9-1/2 (241)	27-49/64 (705)	2-53/64 (72)
145	8-1/2 (216)	17 (432)	12-5/8 (321)	4-7/8 (124)	22-1/8 (562)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	9-3/4 (248)	A5	11-25/32 (299)	11-21/64 (288)	9-1/2 (241)	28-49/64 (731)	2-53/64 (72)
182	8-1/2 (216)	17 (432)	15-5/16 (389)	4-7/8 (124)	24-13/16 (630)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	11-3/4 (298)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	27-31/32 (710)	3-17/32 (90)
184	8-1/2 (216)	17 (432)	15-5/16 (389)	4-7/8 (124)	24-13/16 (630)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	11-3/4 (298)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	27-31/32 (710)	3-17/32 (90)
													B1	15-5/64 (383)	13-11/16 (348)	9-1/2 (241)	29-1/32 (737)	5-3/16 (132)
213	8-1/2 (216)	17 (432)	19-1/4 (489)	4-7/8 (124)	28-3/4 (730)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	14 (356)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	31-21/64 (796)	4-1/16 (103)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	32-59/64 (836)	5-23/32 (145)
215	8-1/2 (216)	17 (432)	19-1/4 (489)	4-7/8 (124)	28-3/4 (730)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	14 (356)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	29-55/64 (758)	4-1/16 (103)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	31-25/64 (797)	5-23/32 (145)
254	8-1/2 (216)	17 (432)	24-1/8 (613)	4-7/8 (124)	37-1/2 (952)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	17 (432)	B1	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	40-1/2 (1029)	6-27/64 (163)
													B2	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	44-61/64 (1142)	6-27/64 (163)

STUFFING BOX 80-PF, 80-S, 80-D

MOTOR FRAME	A	B	E (Max)	G	H (Max)	125# ANSI			250# ANSI			R	VFD	Rv	Zv	W	Hv	Xv
						J	N	P	J	N	P							
143	8-1/2 (216)	17 (432)	11-5/8 (295)	4-7/8 (124)	24-1/4 (616)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	9-3/4 (248)	A5	11-25/32 (299)	11-21/64 (288)	9-1/2 (241)	30-57/64 (785)	2-53/64 (72)
145	8-1/2 (216)	17 (432)	12-5/8 (321)	4-7/8 (124)	25-1/4 (641)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	9-3/4 (248)	A5	11-25/32 (299)	11-21/64 (288)	9-1/2 (241)	31-57/64 (810)	2-53/64 (72)
182	8-1/2 (216)	17 (432)	15-5/16 (389)	4-7/8 (124)	27-15/16 (710)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	11-3/4 (298)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	31-3/32 (790)	3-17/32 (90)
184	8-1/2 (216)	17 (432)	15-5/16 (389)	4-7/8 (124)	27-15/16 (710)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	11-3/4 (298)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	31-3/32 (790)	3-17/32 (90)
													B1	15-5/64 (383)	13-11/16 (348)	9-1/2 (241)	32-5/32 (817)	5-3/16 (132)
213	8-1/2 (216)	17 (432)	19-1/4 (489)	4-7/8 (124)	32-5/8 (829)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	14 (356)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	35-13/64 (894)	4-1/16 (103)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	36-51/64 (935)	5-23/32 (145)
215	8-1/2 (216)	17 (432)	19-1/4 (489)	4-7/8 (124)	32-5/8 (829)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	14 (356)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	33-47/64 (857)	4-1/16 (103)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	35-17/64 (896)	5-23/32 (145)
254	8-1/2 (216)	17 (432)	24-1/8 (613)	4-7/8 (124)	37-1/2 (952)	4-3/4 (121)	4	3/4 (19)	5 (127)	8 (19)	3/4 (19)	17 (432)	B1	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	40-1/2 (1029)	6-27/64 (163)
													B2	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	44-61/64 (1142)	6-27/64 (163)

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