

SERIES 4030 | END SUCTION BASE MOUNTED | 40-200A (2x1.5x8) | SUBMITTAL

File No: 40.561EC
Date: APRIL 26, 2016
Supersedes: NEW
Date: NEW

Job: _____ Representative: _____
 _____ Order no.: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 Contractor: _____ Approved by: _____ Date: _____

PUMP DESIGN DATA

No. of pumps: _____ Tag: _____
 Capacity: _____ m³/h (USgpm) Head: _____ m(ft)
 Liquid: _____ Viscosity: _____
 Temperature: _____ °C (°F) Specific gravity: _____
 Suction: 50 mm (2") Flanged
 Discharge: 40 mm (1.5") Flanged

MATERIALS OF CONSTRUCTION

ANSI FLANGE RATING	PN 16	PN 25
Construction	<input type="checkbox"/> BF	<input type="checkbox"/> DBF
Casing	Cast iron	Ductile iron

- Impeller:** Bronze
- Gasket:** Confined non-asbestos fiber
- Bearing frame:** Cast iron
- Anti-friction bearings:** Permanently lubricated
- Shaft:** Carbon steel
- Shaft sleeve:** Stainless steel
- Coupler:** Woods sure flex or equal
- Coupler guard:** Steel OSHA
- Baseplate:** Fabricated steel

MECHANICAL SEAL DATA

- Seal type:** 2A **Stationary seat:** Silicone carbide
- Secondary seal:** EPDM **Rotating hardware:** Stainless steel
- Spring:** Stainless steel

MOTOR DESIGN DATA

kW: _____ RPM: _____
 Frame size: _____ Enclosure: _____
 Volts: _____ Hertz: 50 Hz Phase: 3
 Efficiency: IE1 IE2 IE3

MAXIMUM PUMP OPERATING CONDITIONS

- PN 16**
- 12 bars at 65°C (175 psig at 150°F)
- 10 bars at 121°C (140 psig at 250°F)
- PN 25**
- 20 bars at 65°C (300 psig at 150°F)
- 17 bars at 121°C (250 psig at 250°F)
- Tolerance of ±3 mm (±0.125") should be used
- For exact installation, data please write factory for certified dimensions
- Pump equipped with casing drain plug and ¼" NPT suction and discharge gauge ports.
- See performance curves on page 3

OPTIONAL EQUIPMENT

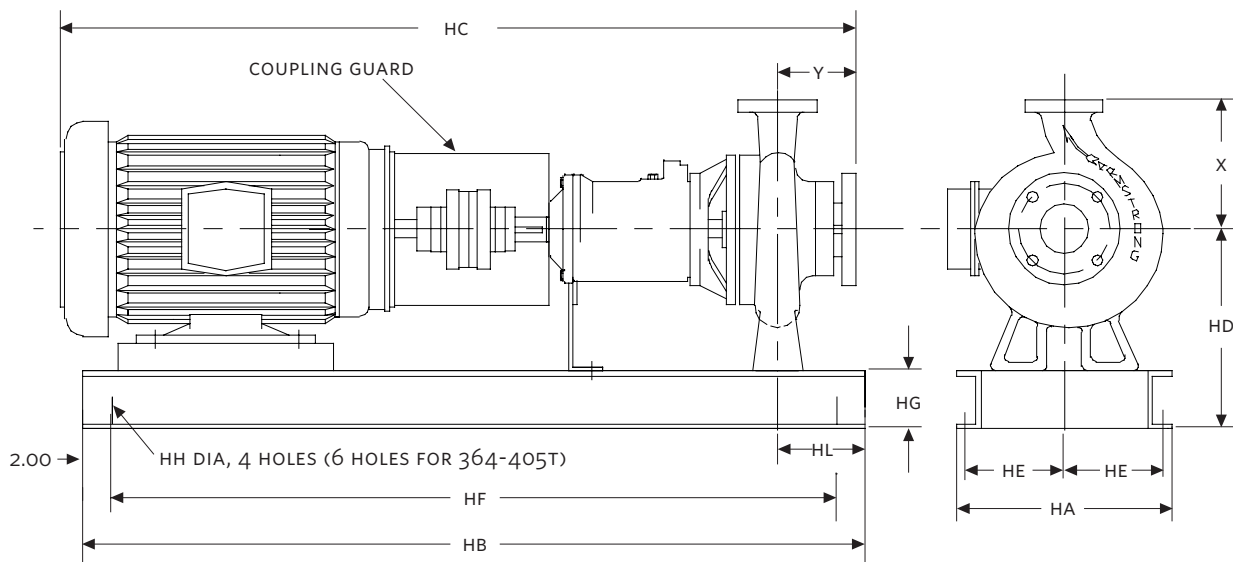
FLUID TYPE	ALL GLYCOLS > 30% WT CONC		ALL OTHER NON-POTABLE FLUIDS		POTABLE (DRINKING) WATER	
	up to 93°C (200°F)	over 93°C (200°F)	up to 93°C (200°F)	over 93°C (200°F)	up to 93°C (200°F)	over 93°C (200°F)
Rotating face	Silicone carbide		Resin bonded carbon	Antimony loaded carbon	Resin bonded carbon	
Seat elastomer	EPDM (L-cup)	EPDM (O-ring)	EPDM (L-cup)	EPDM (O-ring)	EPDM (L-cup)	EPDM (O-ring)
Material code	SCsc L EPSS 2A	SCsc O EPSS 2A	C-SC L EPSS 2A	ACsc O EPSS 2A	C-SC L EPSS 2A	C-SC O EPSS 2A

MOTOR	MOTOR kW @ RPM		FULL LOAD CURRENT (A)	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT* kg (lbs)
	TEFC	TEFC		STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	
FRAME	3000	1500	380-415V											TEFC
80	—	0.55	1.3	—	5.5	356 (14.00)	762 (30.00)	689 (27.11)	235 (9.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	59.5 (131)
80	—	0.75	1.68	—	7.4	356 (14.00)	762 (30.00)	689 (27.11)	235 (9.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	62.5 (138)
90S	—	1.1	2.47	—	12.6	356 (14.00)	762 (30.00)	650 (25.58)	235 (9.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	68.0 (150)
90L	—	1.5	3.33	—	18.6	356 (14.00)	762 (30.00)	697 (27.43)	235 (9.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	71.0 (157)
100L	—	2.2	4.8	—	26.5	356 (14.00)	838 (33.00)	738 (29.07)	235 (9.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	79.5 (175)
112M	4	—	8.0	22.4	62.4	356 (14.00)	838 (33.00)	782 (30.80)	235 (9.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	87.0 (192)
132S	5.5	—	10.8	25.9	88.6	356 (14.00)	838 (33.00)	855 (33.67)	235 (9.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	109.0 (240)
132S	7.5	—	14.5	36.3	118.9	356 (14.00)	838 (33.00)	855 (33.67)	235 (9.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	112.0 (247)
160M	11	—	21.1	52.75	164.58	406 (16.00)	1016 (40.00)	1002 (39.43)	276 (10.88)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	153.0 (337)
160M	15	—	28.5	74.1	228	406 (16.00)	1016 (40.00)	1002 (39.43)	276 (10.88)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	161.0 (355)

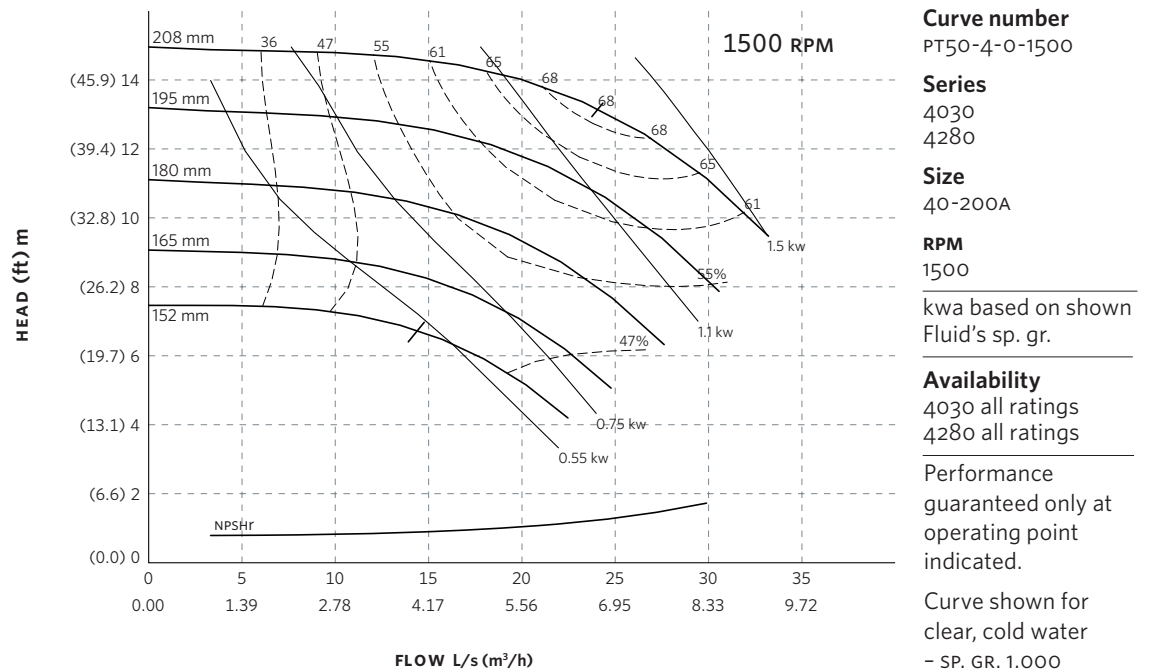
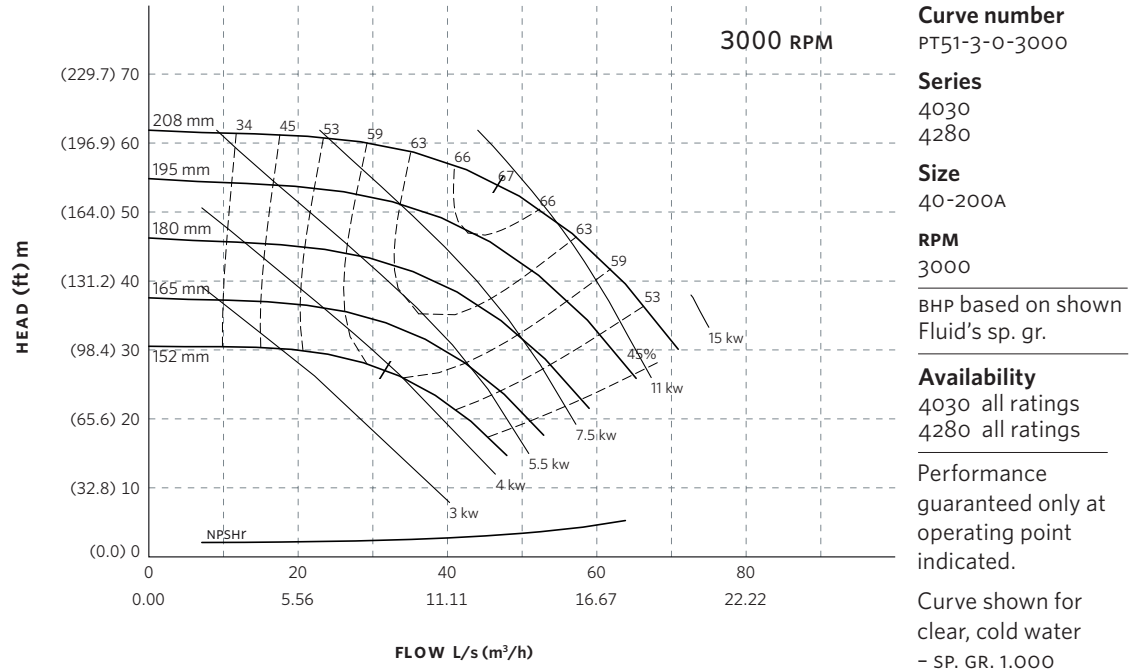
*Assembly weight combines pump and motor.

PUMP DIMENSIONS
mm (inches)

X	Y
216 (8.50)	102 (4.00)



SERIES 4030 PERFORMANCE CURVES



Performance curves are for reference only.
Confirm current performance data with Armstrong ACE Online selection software.

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