

4030 END SUCTION BASE MOUNTED | 25-150A (1.5x1x6) | SUBMITTAL

File No: 40.50IEC
Date: AUGUST 10, 2020
Supersedes: 40.50IEC
Date: APRIL 26, 2016

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: 40 mm (1.5") Flanged
 Discharge: 25 mm (1") Flanged

MATERIALS OF CONSTRUCTION

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**
 16 bars at 49°C (232 psig at 120°F)
 7 bars at 150°C (100 psig at 300°F)
- PN 25**
 25 bars at 65°C (362 psig at 149°F)
 21 bars at 150°C (304 psig at 300°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

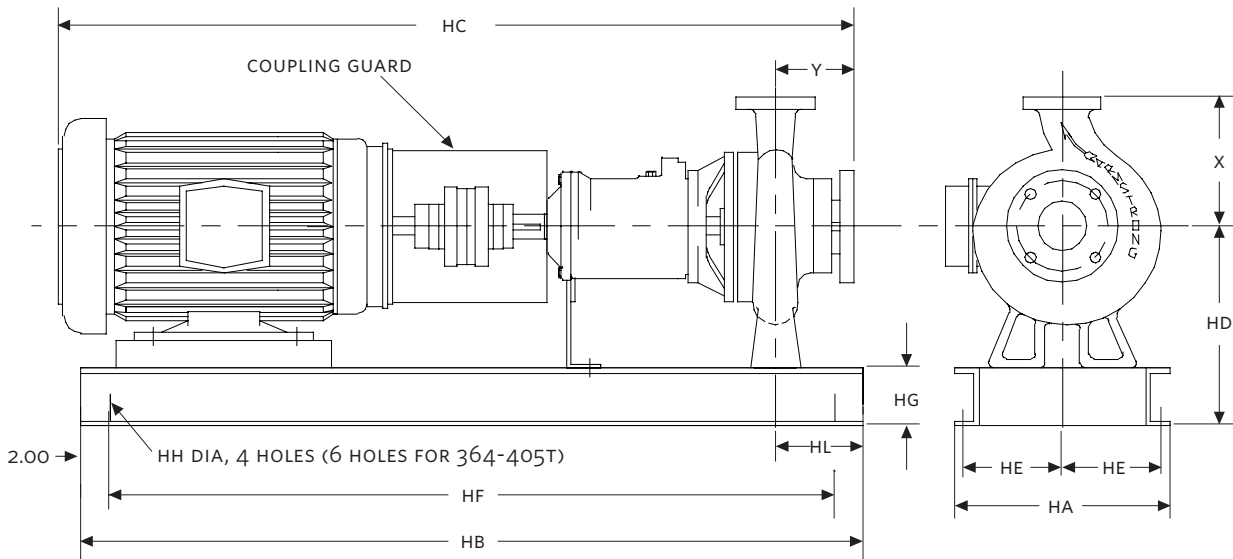
MOTOR FRAME	MOTOR kW @ RPM		FULL LOAD CURRENT (A) 380-415V	STARTING CURRENT (A)		DIMENSIONS mm(inches)								WEIGHT*
	TEFC			STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	kg (lbs)
	3000	1500												TEFC
80	-	0.55	1.3	-	5.5	356 (14.00)	762 (30.00)	689 (27.11)	210 (8.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	45.0 (99)
80	0.75	-	1.70	-	9.4	356 (14.00)	762 (30.00)	689 (27.11)	210 (8.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	47.0 (104)
80	1.1	-	2.41	-	16.1	356 (14.00)	762 (30.00)	689 (27.11)	210 (8.25)	162 (6.38)	660 (26.00)	102 (4.00)	114 (4.50)	48.5 (107)
90S	1.5	-	3.28	-	19.7	356 (14.00)	762 (30.00)	650 (25.58)	210 (8.25)	162 (6.38)	660 (26.00)	102 (4.00)	114 (4.50)	52.0 (115)
90L	2.2	-	4.75	-	29.92	356 (14.00)	762 (30.00)	697 (27.43)	210 (8.25)	162 (6.38)	660 (26.00)	102 (4.00)	114 (4.50)	55.5 (122)
100L	3	-	6.13	-	47.81	356 (14.00)	838 (33.00)	738 (29.07)	210 (8.25)	162 (6.38)	737 (29.00)	102 (4.00)	114 (4.50)	63.0 (139)

*Assembly weight combines pump and motor.

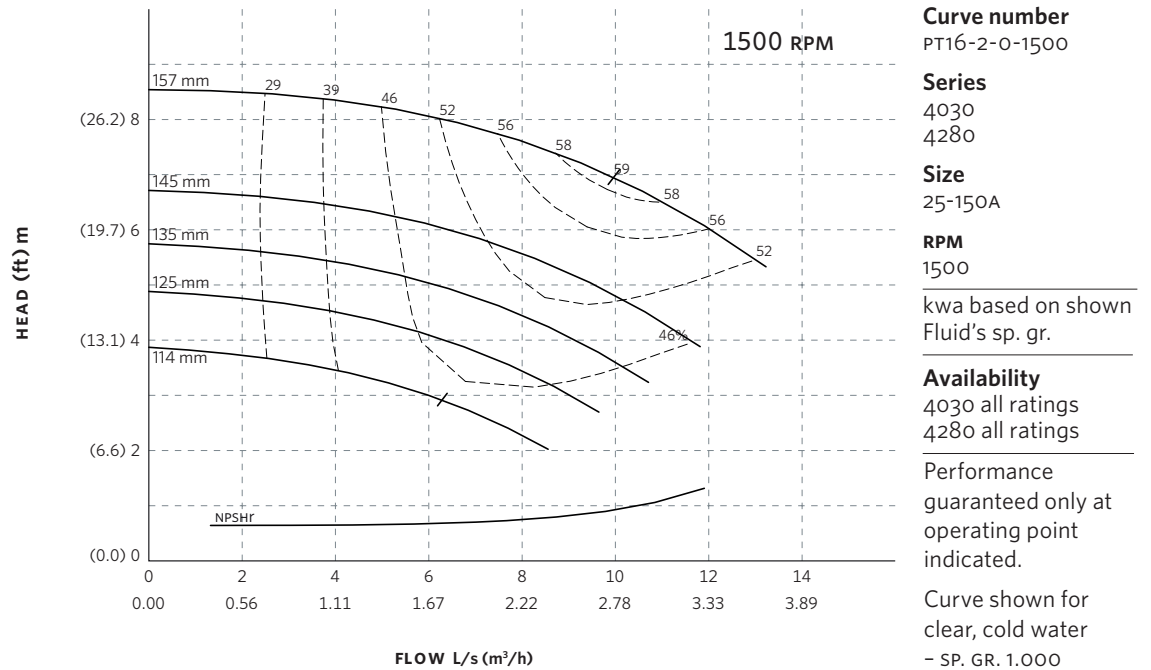
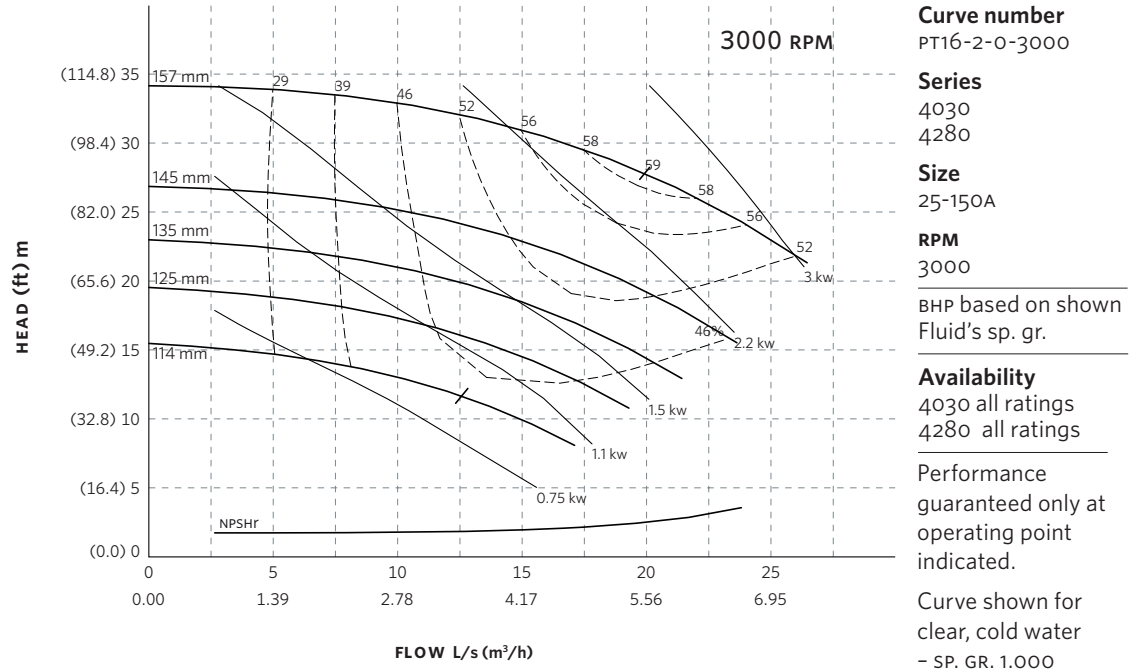
PUMP DIMENSIONS

mm (inches)

X	Y
165 (6.50)	102 (4.00)



4030 PERFORMANCE CURVES



Performance curves are for reference only.
Confirm current performance data with Armstrong ADEPT Quote or ADEPT Select selection software.

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