

SERIES 4030 | END SUCTION BASE MOUNTED | 200-375A (10×8×15) | SUBMITTAL

File No: 40.79IEC
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: 250 mm (10") Flanged
 Discharge: 200 mm (8") 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

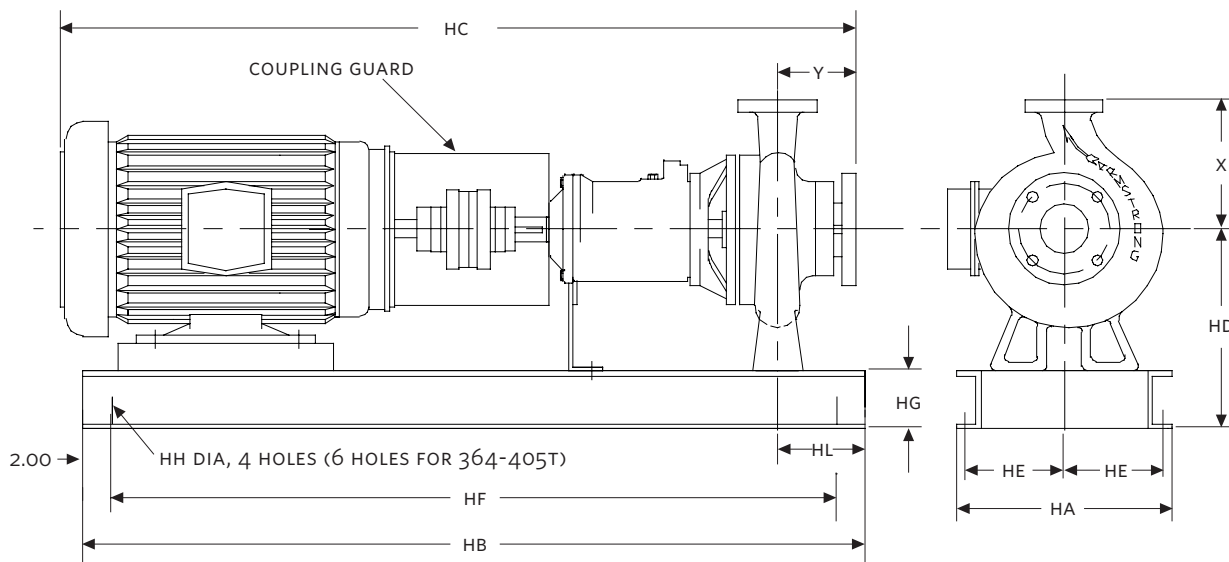
MOTOR	MOTOR kW @ RPM		FULL LOAD CURRENT (A)	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT* kg (lbs)
	TEFC			STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	
FRAME	3000	1500	380-415V											
225S	—	37	69.6	160.1	508.1	635 (25.00)	1676 (66.00)	1522 (59.92)	470 (18.50)	302 (11.88)	1575 (62.00)	102 (4.00)	165 (6.50)	841 (1854)
225M	—	45	83.4	200.2	608.8	635 (25.00)	1676 (66.00)	1550 (61.02)	470 (18.50)	302 (11.88)	1575 (62.00)	102 (4.00)	165 (6.50)	862 (1900)
250M	—	55	101.0	242.4	737.3	635 (25.00)	1676 (66.00)	1631 (64.21)	470 (18.50)	302 (11.88)	1575 (62.00)	102 (4.00)	165 (6.50)	943 (2079)
280S	—	75	139.0	319.7	1014.7	635 (25.00)	1676 (66.00)	1767 (69.56)	470 (18.50)	302 (11.88)	1575 (62.00)	102 (4.00)	165 (6.50)	1138 (2509)
280M	—	90	164.0	393.6	1213.6	635 (25.00)	1676 (66.00)	1767 (69.56)	470 (18.50)	302 (11.88)	1575 (62.00)	102 (4.00)	165 (6.50)	1172 (2584)
315S	—	110	200.0	500.0	1460.0	635 (25.00)	1778 (70.00)	1377 (54.20)	470 (18.50)	302 (11.88)	1676 (66.00)	102 (4.00)	165 (6.50)	1386 (3055)
315M	—	132	240.0	600.0	1752.0	635 (25.00)	1778 (70.00)	1351 (53.18)	470 (18.50)	302 (11.88)	1676 (66.00)	102 (4.00)	165 (6.50)	1452 (3201)

*Assembly weight combines pump and motor.

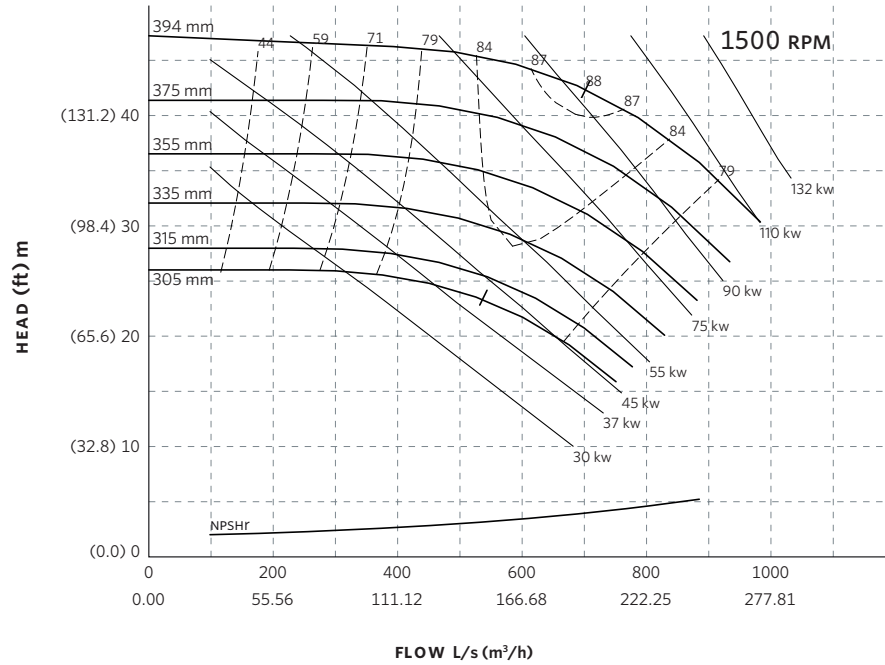
PUMP DIMENSIONS

mm (inches)

X	Y
483 (19.00)	152 (6.00)



SERIES 4030 PERFORMANCE CURVES



Curve number
PT180-2-0-1500

Series
4030
4280

Size
200-375A

RPM
1500

BHP based on shown
Fluid's sp. gr.

Availability
4030 all ratings
4280 all ratings

Performance
guaranteed only at
operating point
indicated.

Curve shown for
clear, cold water
- SP. GR. 1.000

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

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