

4030 END SUCTION BASE MOUNTED | 50-200A (3×2×8) | SUBMITTAL

File No: 40.562IEC
Date: AUGUST 10, 2020
Supersedes: 40.562IEC
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: 75 mm (3") Flanged
Discharge: 50 mm (2") 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

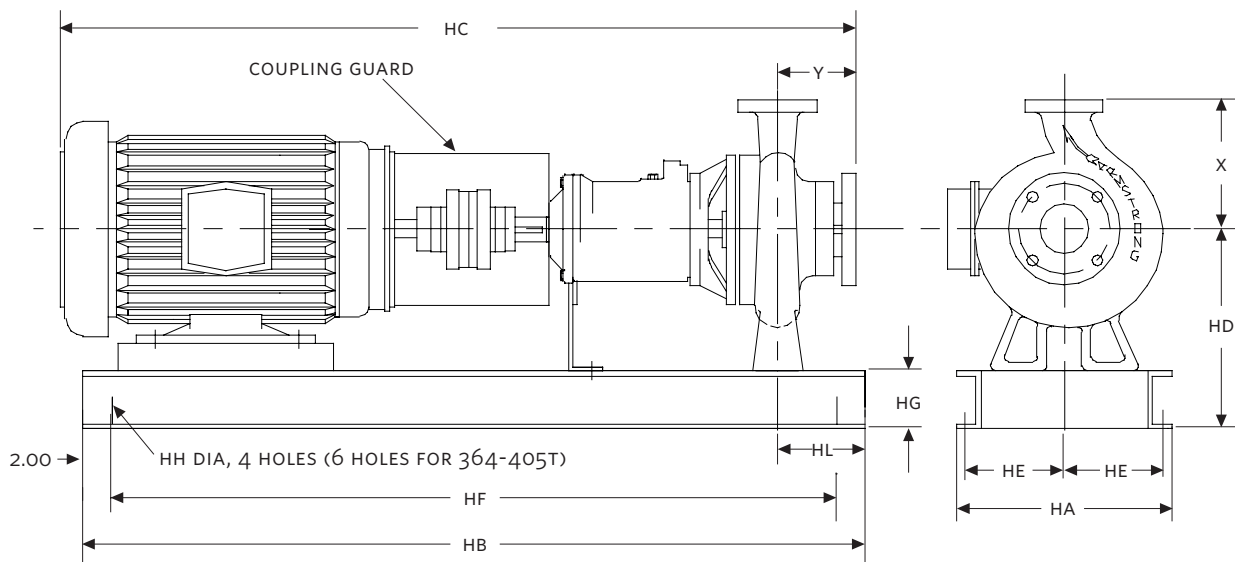
MOTOR	MOTOR kW @ RPM		FULL LOAD CURRENT (A)	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT* kg (lbs)
	TEFC			STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	
	3000	1500												380-415V
80	-	0.55	1.3	-	5.5	356 (14.00)	762 (30.00)	689 (27.11)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	64.5 (142)
80	-	0.75	1.68	-	7.4	356 (14.00)	762 (30.00)	689 (27.11)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	67.5 (149)
90S	-	1.1	2.47	-	12.6	356 (14.00)	762 (30.00)	651 (25.61)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	73.0 (161)
90L	-	1.5	3.33	-	18.6	356 (14.00)	762 (30.00)	697 (27.43)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	76.0 (168)
100L	-	2.2	4.8	-	26.5	356 (14.00)	838 (33.00)	739 (29.10)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	84.5 (186)
112M	4	-	8.0	22.4	62.4	356 (14.00)	838 (33.00)	783 (30.83)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	92.0 (203)
132S	5.5	-	10.8	25.9	88.6	356 (14.00)	838 (33.00)	856 (33.70)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	114.0 (251)
132S	7.5	-	14.5	36.3	118.9	356 (14.00)	838 (33.00)	856 (33.70)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	117.0 (258)
160M	11	-	21.1	52.8	164.6	406 (16.00)	1016 (40.00)	1002 (39.47)	260 (10.25)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	158.0 (348)
160M	15	-	28.5	74.1	228.0	406 (16.00)	1016 (40.00)	1002 (39.47)	260 (10.25)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	166.0 (366)
160L	18.5	-	34.9	94.2	303.6	406 (16.00)	1016 (40.00)	1017 (40.06)	260 (10.25)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	178.0 (392)

*Assembly weight combines pump and motor.

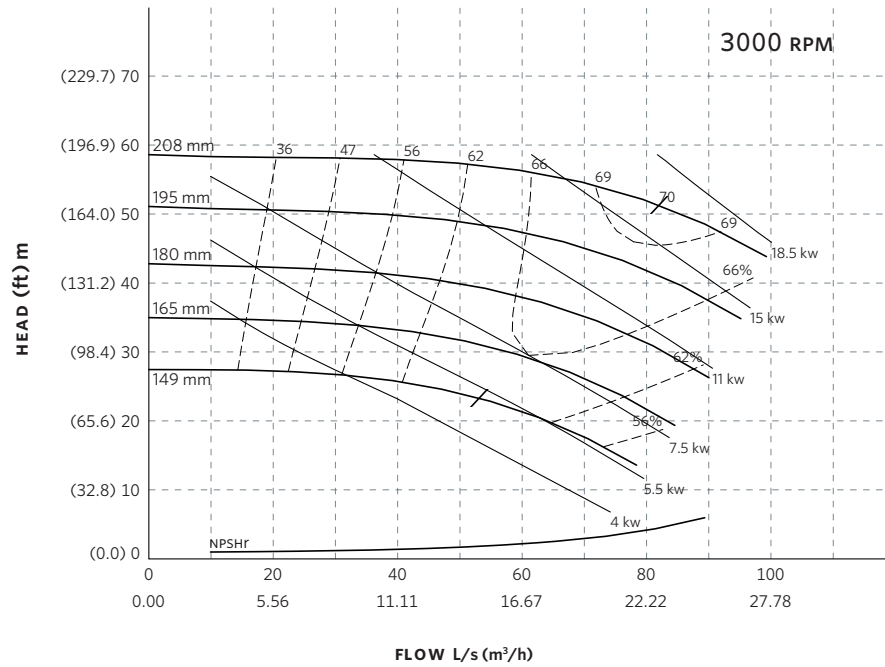
PUMP DIMENSIONS

mm (inches)

X	Y
241 (9.50)	102 (4.00)



4030 PERFORMANCE CURVES



Curve number
PT65-3-0-3000

Series
4030
4280

Size
50-200A

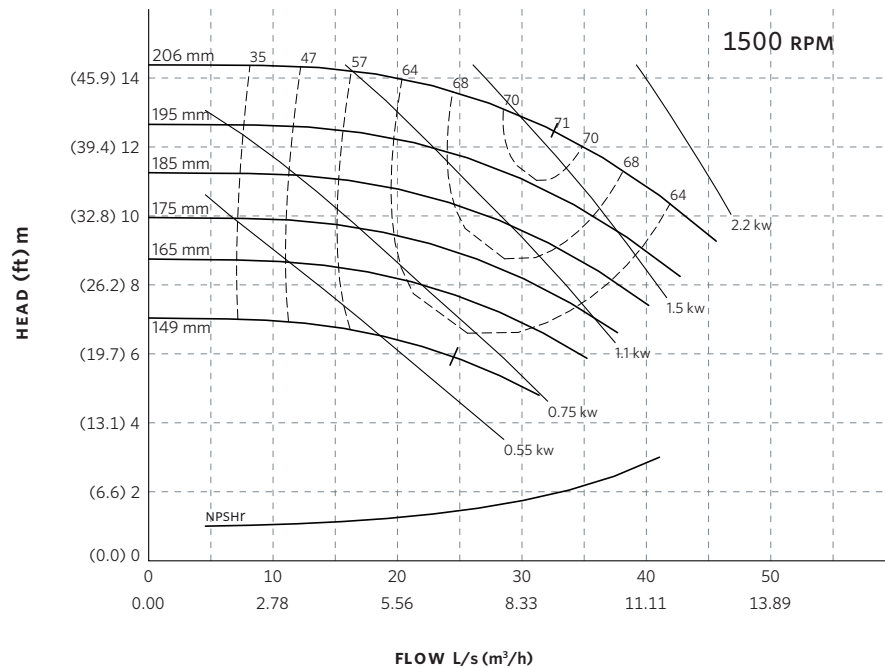
RPM
3000

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



Curve number
PT64-2-0-1500

Series
4030
4280

Size
50-200A

RPM
1500

kwa 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 ADEPT Quote or ADEPT Select selection software.

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