

SERIES 4030 | END SUCTION BASE MOUNTED | 65-200A (3x2.5x8) | SUBMITTAL

File No: 40.57IEC
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: 75 mm (3") Flanged
 Discharge: 65 mm (2.5") 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

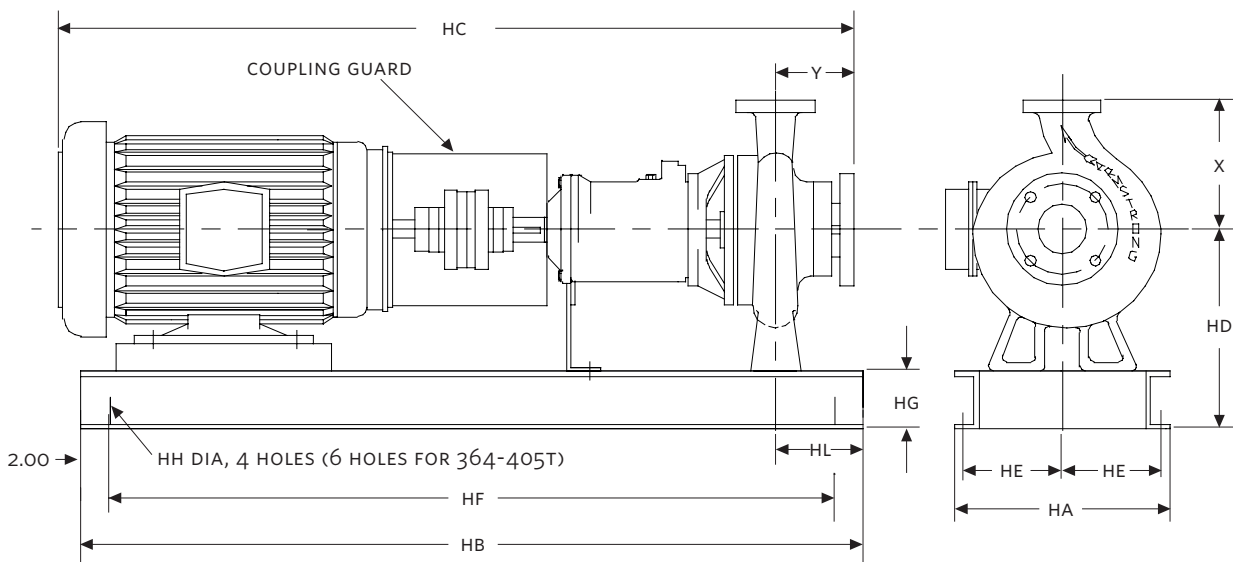
MOTOR	MOTOR kW @ RPM		FULL LOAD CURRENT (A)	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT* kg (lbs)
	TEFC			STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	
	3000	1500												380-415V
80	—	0.55	1.3	—	5.5	356 (14.00)	762 (30.00)	685 (26.98)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	88.5 (195)
80	—	0.75	1.68	—	7.4	356 (14.00)	762 (30.00)	685 (26.98)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	91.5 (202)
90S	—	1.1	2.47	—	12.6	356 (14.00)	762 (30.00)	646 (25.44)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	97.0 (214)
90L	—	1.5	3.33	—	18.6	356 (14.00)	762 (30.00)	693 (27.30)	260 (10.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	100.0 (221)
100L	—	2.2	4.8	—	26.5	356 (14.00)	838 (33.00)	735 (28.94)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	108.5 (239)
100L	—	3	6.4	—	37.1	356 (14.00)	838 (33.00)	735 (28.94)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	111.0 (245)
112M	4	—	8.0	22.4	62.4	356 (14.00)	838 (33.00)	779 (30.67)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	116.0 (256)
132S	5.5	—	10.8	25.9	88.6	356 (14.00)	838 (33.00)	852 (33.55)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	138.0 (304)
132S	7.5	—	14.5	36.3	118.9	356 (14.00)	838 (33.00)	852 (33.55)	260 (10.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	141.0 (311)
160M	11	—	21.1	52.8	164.6	406 (16.00)	1016 (40.00)	998 (39.29)	260 (10.25)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	182.0 (401)
160M	15	—	28.5	74.1	228.0	406 (16.00)	1016 (40.00)	998 (39.29)	260 (10.25)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	190.0 (419)
160L	18.5	—	34.9	94.2	303.6	406 (16.00)	1016 (40.00)	1013 (39.88)	260 (10.25)	187 (7.38)	914 (36.00)	76 (3.00)	114 (4.50)	202.0 (445)

*Assembly weight combines pump and motor.

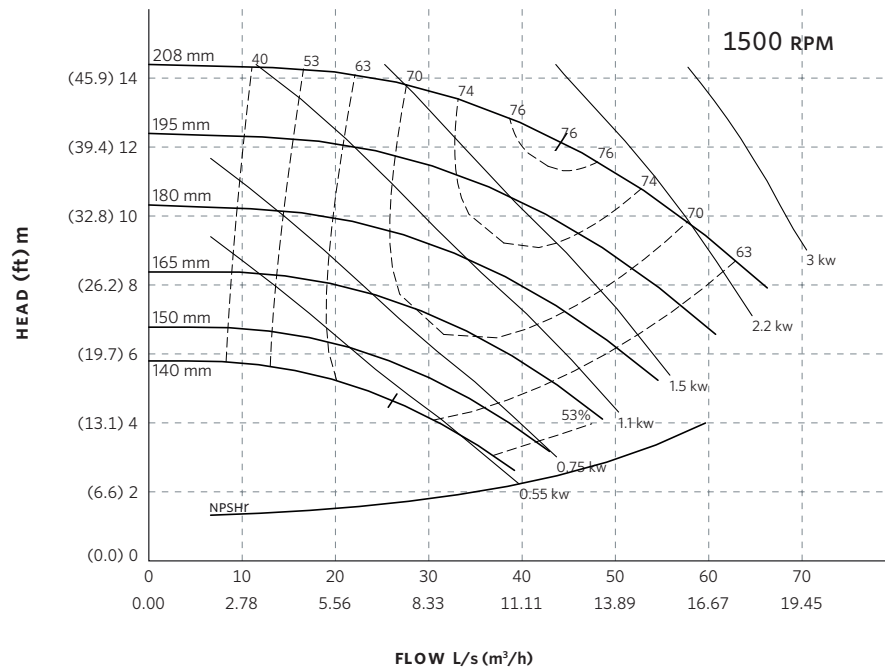
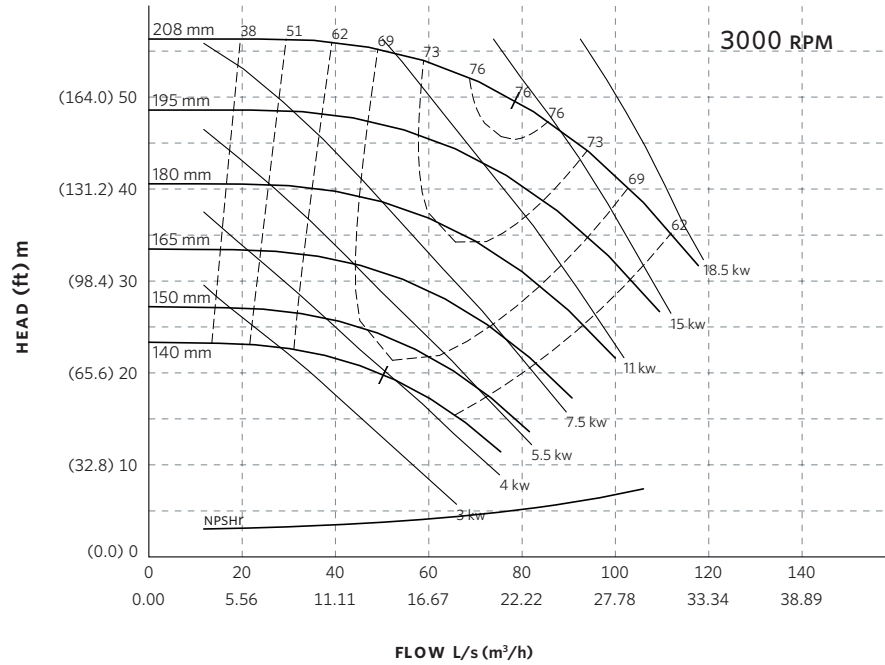
PUMP DIMENSIONS

mm (inches)

X	Y
241 (9.50)	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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