

SERIES 4030 | END SUCTION BASE MOUNTED SPLIT COUPLED | 4 × 3 × 10 | SUBMITTAL

File No: 40.63
Date: NOV. 26, 2014
Supersedes: 40.63
Date: OCT. 15, 2013

Job: _____ Representative: _____

Order no.: _____ Date: _____

Engineer: _____ Submitted by: _____ Date: _____

Contractor: _____ Approved by: _____ Date: _____

PUMP DESIGN DATA

No. of pumps: _____ Tag: _____
Capacity: _____ USgpm (L/s) Head: _____ ft (m)
Liquid: _____ Viscosity: _____
Temperature: _____ °F (°C) Specific gravity: _____
Suction: 4"(100mm) Flanged
Discharge: 3"(75mm) Flanged

MATERIALS OF CONSTRUCTION

ANSI FLANGE RATING	ANSI 125	ANSI 250
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: Constant speed: Woods sure-flex or equal
Variable speed: Woods dura-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

HP: _____ RPM: _____ Frame size: _____ Enclosure: _____
Volts: _____ Hertz: 60 Hz Phase: 3
Efficiency*: NEMA premium 12.12 Other _____ %

* Fractional power and frame 56 motors are supplied with the standard efficiency of the manufacturer.

MAXIMUM PUMP OPERATING CONDITIONS

ANSI 125

175 psig at 150°F (12 bars at 65°C)
140 psig at 250°F (10 bars at 121°C)

ANSI 250

300 psig at 150°F (20 bars at 65°C)
250 psig at 250°F (17 bars at 121°C)

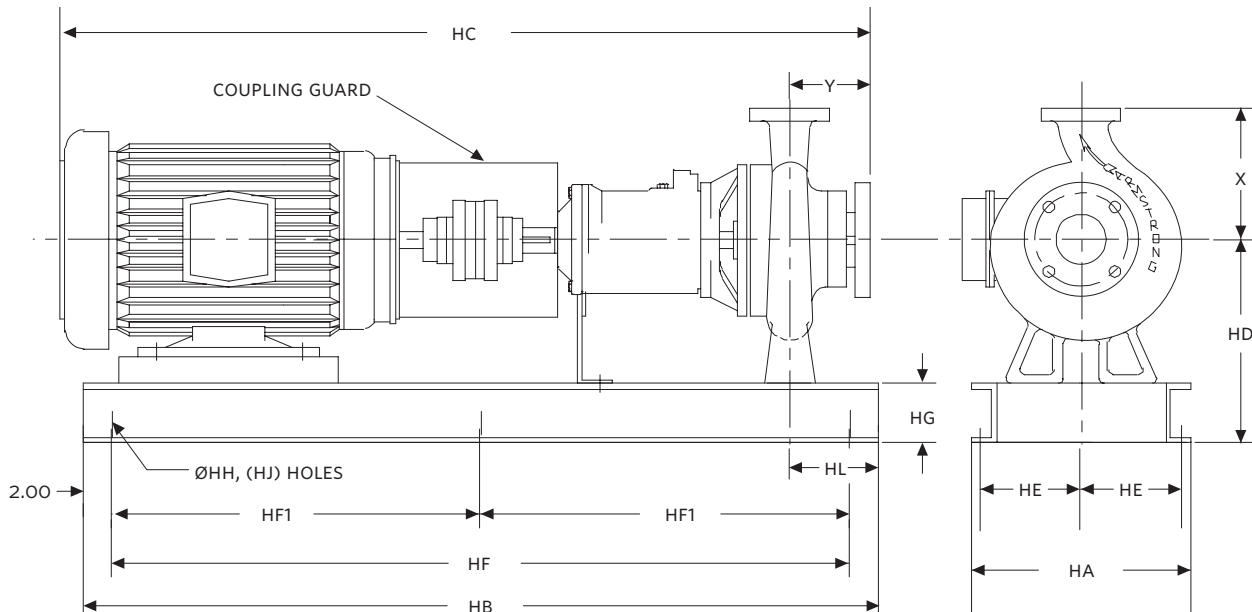
- Tolerance of ±0.125" (±3 mm) should be used
- See performance curves on page 3
- For exact installation, data please write factory for certified dimensions
- Pump equipped with casing drain plug and ¼" NPT suction and discharge gauge ports

OPTIONAL EQUIPMENT

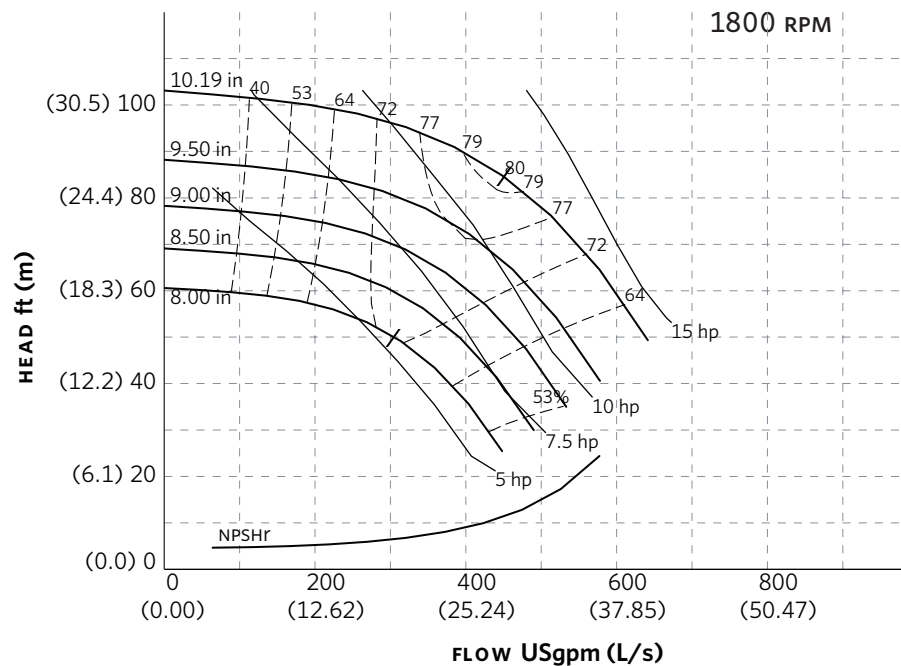
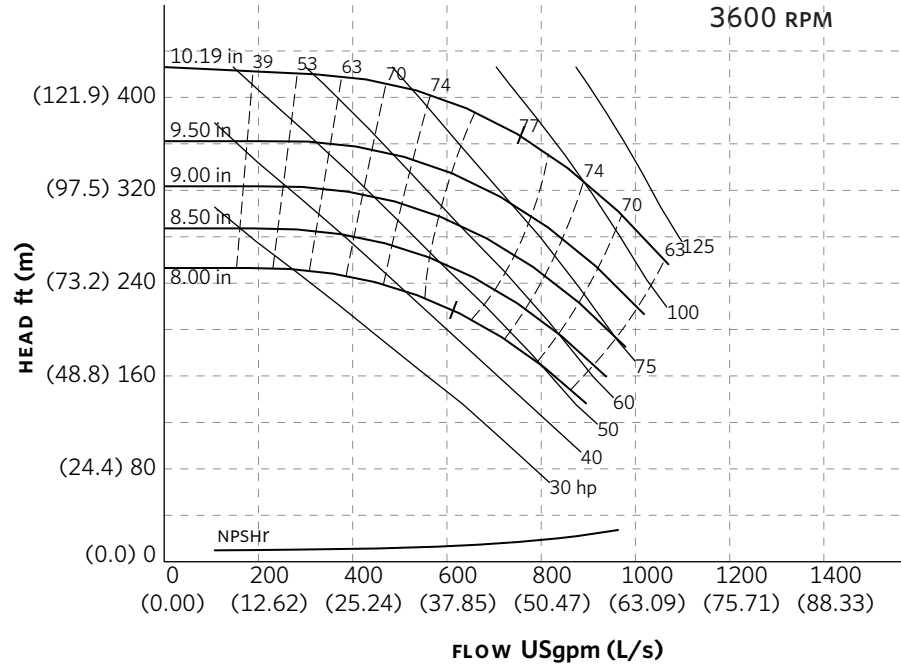
FLUID TYPE	ALL GLYCOLS > 30% WT CONC		ALL OTHER NON-POTABLE FLUIDS		POTABLE (DRINKING) WATER	
	up to 200°F (93°C)	over 200°F (93°C)	up to 200°F (93°C)	over 200°F (93°C)	up to 200°F (93°C)	over 200°F (93°C)
Rotating face	Silicone carbide		Resin bonded carbon	Antimony loaded carbon	Resin bonded carbon	
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	HORSEPOWER @ RPM				MAX. DIMENSIONS INCHES (mm)													MAX. ASSEMBLY WEIGHT*	
	3600		1800	1200	HA	HB	HC	HD	HE	HF	HF1	HG	HH	HJ	HL	X	Y	lbs (kgs)	
	ODP	TEFC																ODP	TEFC
182TC	—	—	—	1.5	14.00 (356)	30.00 (762)	30.22 (768)	11.25 (286)	6.38 (162)	26.00 (660)	—	3.00 (76)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	251 (113.9)	236 (107.0)
184TC	—	—	5	2	14.00 (356)	30.00 (762)	30.22 (768)	11.25 (286)	6.38 (162)	26.00 (660)	—	3.00 (76)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	231 (104.8)	259 (117.5)
213TC	—	—	7.5	3	14.00 (356)	33.00 (838)	33.92 (862)	11.25 (286)	6.38 (162)	29.00 (737)	—	3.00 (76)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	266 (120.7)	316 (143.3)
215TC	—	—	10	5	14.00 (356)	33.00 (838)	33.92 (862)	11.25 (286)	6.38 (162)	29.00 (737)	—	3.00 (76)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	281 (127.5)	323 (146.5)
254TC	—	—	15	—	16.00 (406)	40.00 (1016)	39.86 (1012)	11.25 (286)	7.38 (187)	36.00 (914)	—	3.00 (76)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	408 (185.1)	442 (200.5)
286TSC†	40	—	—	—	19.00 (483)	48.00 (1219)	45.41 (1153)	12.25 (311)	8.88 (225)	44.00 (1118)	—	4.00 (102)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	658 (298.5)	629 (285.3)
324TSC†	50	40	—	—	19.00 (483)	48.00 (1219)	47.92 (1217)	12.25 (311)	8.88 (225)	44.00 (1118)	—	4.00 (102)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	761 (345.2)	762 (345.6)
326TSC†	60	50	—	—	19.00 (483)	48.00 (1219)	47.92 (1217)	12.25 (311)	8.88 (225)	44.00 (1118)	—	4.00 (102)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	835 (378.7)	808 (366.5)
364TSC†	75	60	—	—	19.00 (483)	48.00 (1219)	49.51 (1258)	14.50 (368)	8.88 (225)	44.00 (1118)	—	4.00 (102)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	1006 (456.3)	1193 (541.1)
365TSC†	100	75	—	—	19.00 (483)	48.00 (1219)	49.51 (1258)	14.50 (368)	8.88 (225)	44.00 (1118)	—	4.00 (102)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	1110 (503.5)	1226 (556.1)
404TSC†	125	—	—	—	19.00 (483)	58.00 (1473)	53.49 (1359)	15.50 (394)	8.88 (225)	54.00 (1372)	27.00 (686)	4.00 (102)	0.75 (19)	6	4.50 (114)	11.00 (279)	4.00 (102)	1265 (573.8)	—
405TSC†	—	100	—	—	19.00 (483)	58.00 (1473)	53.49 (1359)	15.50 (394)	8.88 (225)	54.00 (1372)	27.00 (686)	4.00 (102)	0.75 (19)	6	4.50 (114)	11.00 (279)	4.00 (102)	—	1407 (638.2)

*Assembly weight combines pump and motor.
†Re-greasable ball bearings on pumps for frame sizes indicated.



SERIES 4030 PERFORMANCE CURVES



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

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