

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

File No: 40.63  
Date: OCTOBER 15, 2013  
Supersedes: 40.63  
Date: JULY 10, 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

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)
Temperature	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 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)

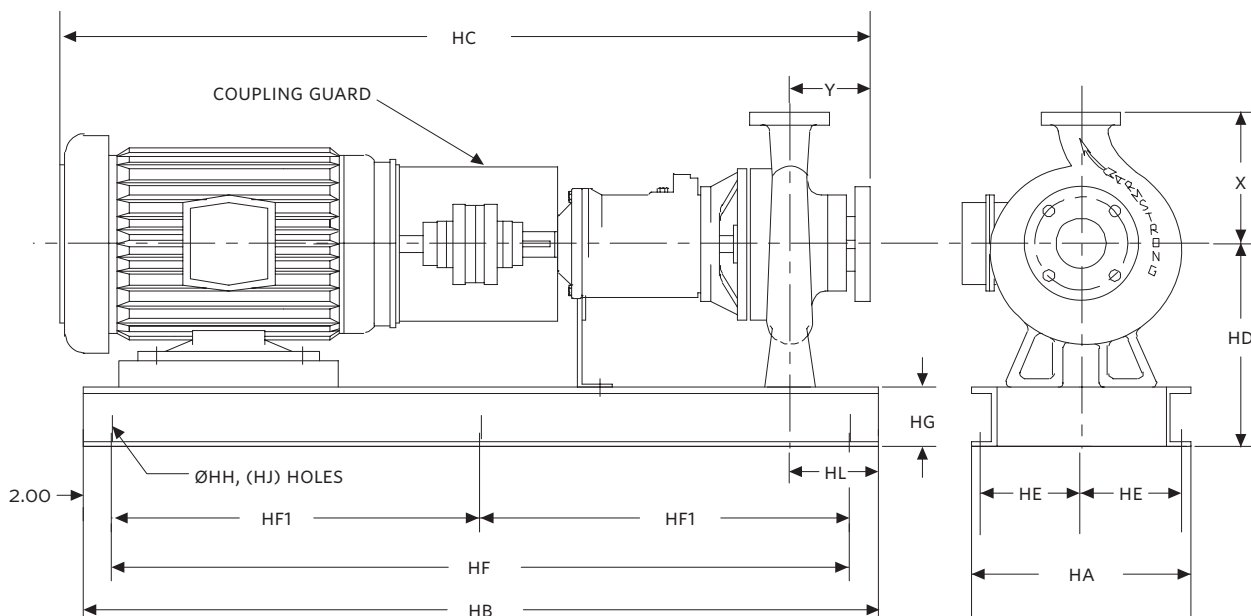
- Tolerance of ±0.125" (±3 mm) should be used
- See performance curves on page 3
- For exact installation, data please write factory for certified dimensions
- Pump equipped with casing drain plug and ¼" NPT suction and discharge gauge ports

### OPTIONAL EQUIPMENT

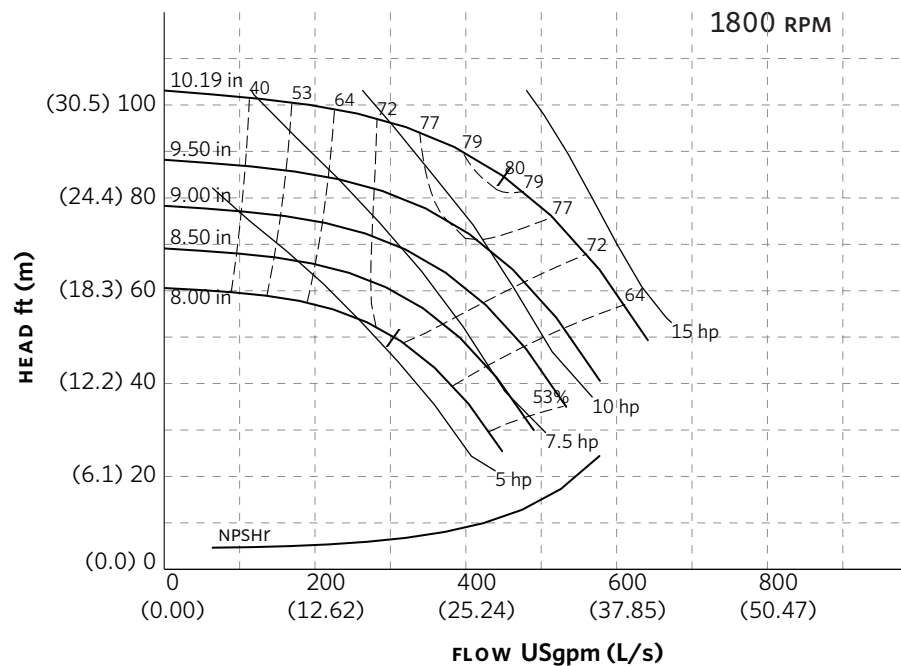
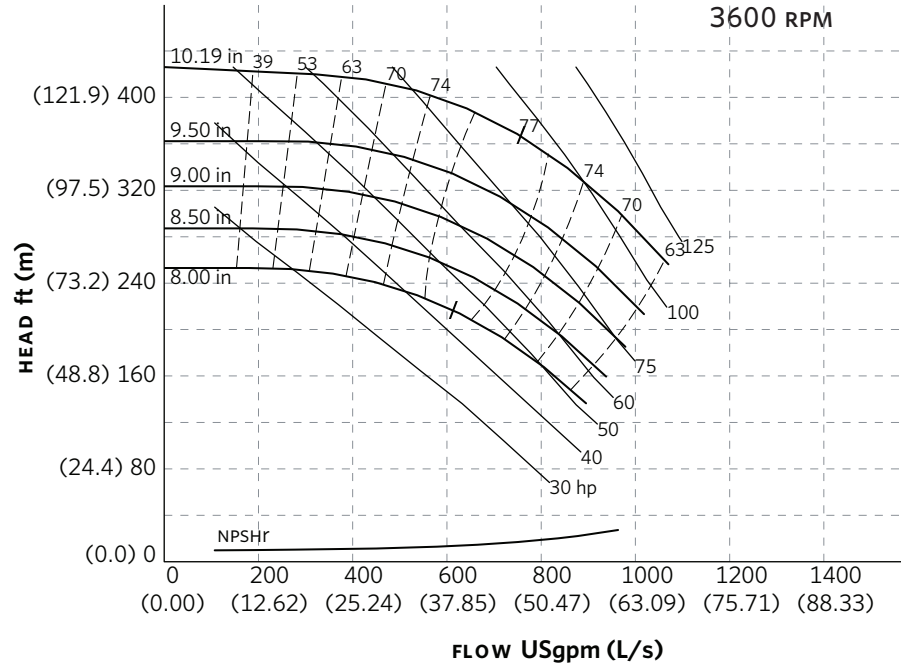
MOTOR	HORSEPOWER @ RPM				MAX. DIMENSIONS INCHES (mm)													MAX. ASSEMBLY WEIGHT*	
	3600		1800	1200	HA	HB	HC	HD	HE	HF	HF1	HG	HH	HJ	HL	X	Y	lbs (kgs)	
	ODP	TEFC																ODP	TEFC
182TC	—	—	—	1.5	14.00 (356)	30.00 (762)	30.22 (768)	11.25 (286)	6.38 (162)	26.00 (660)	—	3.00 (76)	0.75 (19)	4	4.50 (114)	11.00 (279)	4.00 (102)	201 (91.2)	215 (97.5)
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)	211 (95.7)	225 (102.1)
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)	241 (109.3)	256 (116.1)
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)	251 (113.9)	271 (122.9)
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)	301 (136.5)	341 (154.7)
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)	491 (222.7)	—
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)	566 (256.7)	731 (331.6)
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)	616 (279.4)	811 (367.9)
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)	781 (354.3)	921 (417.8)
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)	801 (363.3)	961 (435.9)
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)	951 (431.4)	—
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)	—	1326 (601.5)

\*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.

**TORONTO**

23 BERTRAND AVENUE  
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