

SERIES 4030 | END SUCTION BASE MOUNTED SPLIT COUPLED | 3 × 1.5 × 13 | SUBMITTAL

File No: 40.72
Date: OCTOBER 15, 2013
Supersedes: 40.72
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: 3"(75mm) Lugged
 Discharge: 1.5"(38mm) Tapped

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)
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

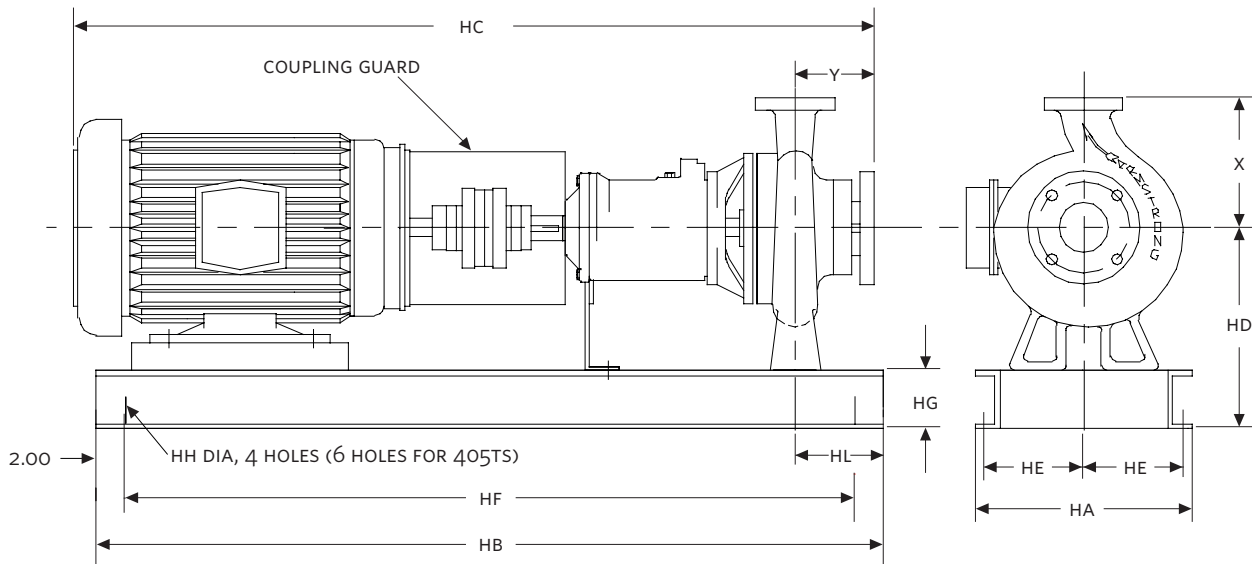
OPTIONAL EQUIPMENT

MOTOR	HORSEPOWER @ RPM		MAX. DIMENSIONS INCHES (mm)												MAX. ASSEMBLY WEIGHT*	
	3600 ODP	1800 TEFC	1800	1200	HA	HB	HC	HD	HE	HF**	HG	HH	HL	X	Y	lbs (kgs)
213TC	—	—	7.5	3	16.00 (406)	45.00 (1143)	37.55 (954)	13.00 (330)	7.38 (187)	41.00 (1041)	3.00 (76)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	340 (154.4)
215TC	—	—	10	5	16.00 (406)	45.00 (1143)	37.55 (954)	13.00 (330)	7.38 (187)	41.00 (1041)	3.00 (76)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	355 (161.2)
254TC	—	—	15	—	16.00 (406)	45.00 (1143)	43.51 (1105)	13.00 (330)	7.38 (187)	41.00 (1041)	3.00 (76)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	425 (193.0)
256TC	—	—	20	—	16.00 (406)	45.00 (1143)	43.51 (1105)	13.00 (330)	7.38 (187)	41.00 (1041)	3.00 (76)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	465 (211.1)
286TSC†	40	—	—	—	19.00 (483)	48.00 (1219)	45.01 (1143)	14.00 (356)	8.88 (225)	44.00 (1118)	4.00 (102)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	525 (238.4)
324TSC†	50	40	—	—	19.00 (483)	48.00 (1219)	47.92 (1217)	14.00 (356)	8.88 (225)	44.00 (1118)	4.00 (102)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	765 (347.3)
326TSC†	60	50	—	—	19.00 (483)	48.00 (1219)	47.92 (1217)	14.00 (356)	8.88 (225)	44.00 (1118)	4.00 (102)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	845 (383.6)
364TSC†	75	60	—	—	19.00 (483)	48.00 (1219)	49.51 (1258)	15.50 (394)	8.88 (225)	44.00 (1118)	4.00 (102)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	955 (433.6)
365TSC†	100	75	—	—	19.00 (483)	48.00 (1219)	49.51 (1258)	15.50 (394)	8.88 (225)	44.00 (1118)	4.00 (102)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	1360 (617.4)
405TSC**†	—	100	—	—	19.00 (483)	58.00 (1473)	53.49 (1359)	15.50 (394)	8.88 (225)	27.00 (686)	4.00 (102)	0.75 (19)	4.50 (114)	10.50 (267)	4.00 (102)	1415 (642.4)

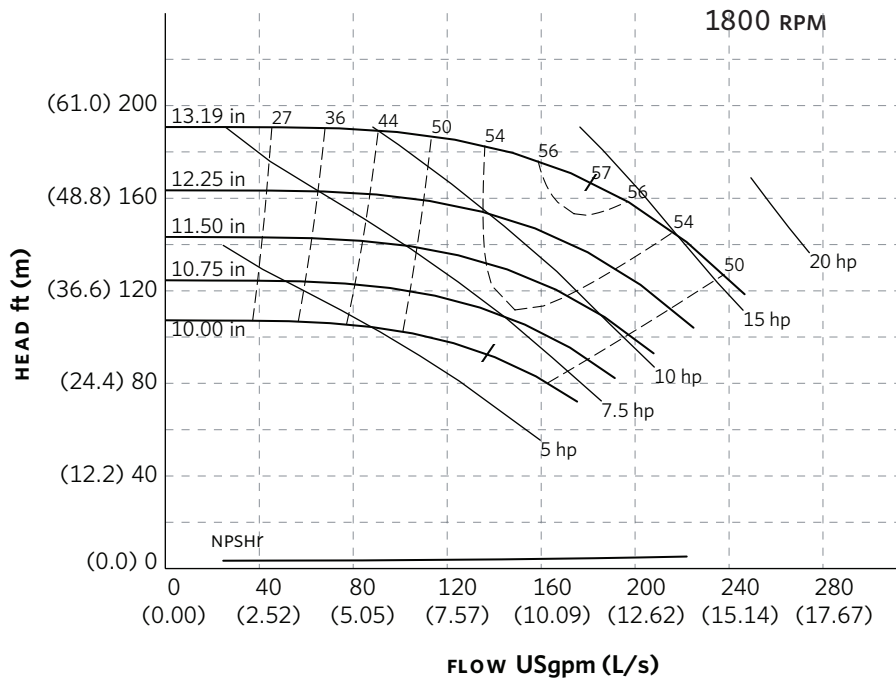
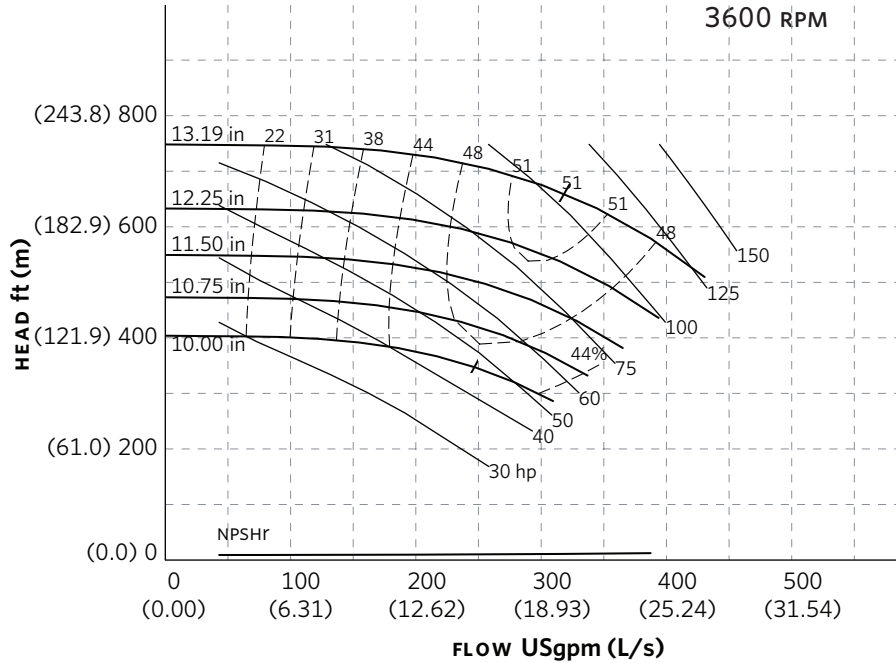
*Assembly weight combines pump and motor.

†Re-greasable ball bearings on pumps for frame sizes indicated.

**4030 3 × 1.5 × 13 405TS are supplied with a 6-hole (equidistant on HF) base.



SERIES 4030 PERFORMANCE CURVES



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

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