

SERIES 4600 | HORIZONTAL SPLIT CASE PUMP

10 × 8 × 11M | SUBMITTAL

File No: 46.515
 Date: NOVEMBER 28, 2014
 Supersedes: 46.515
 Date: OCTOBER 15, 2013

Job: _____ Representative: _____
 _____ Ordered by: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 _____ 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: 10" (250 mm) Discharge: 8" (200 mm)

MATERIALS OF CONSTRUCTION

ANSI FLANGE RATING	ANSI 125	ANSI 250
Construction	<input type="checkbox"/> BF	<input type="checkbox"/> BF 250

- Casing:** Cast iron
- Impeller:** Bronze
- Casing wear ring:** Bronze
- Gasket:** Confined non-asbestos fiber
- Bearing frame:** Cast iron
- Coupler guard:** Steel OSHA
- Anti-friction bearings:** Permanently lubricated
- Shaft:** Carbon steel
- Shaft sleeve:** Bronze
- Coupler:** Constant speed: Woods sure-flex or equal
 Variable speed: Woods dura-flex or equal
- Baseplate:** Fabricated steel

MECHANICAL SEAL DATA

ANSI FLANGE RATING	ANSI 125	ANSI 250
Seal type	A21	ARO
Stationary seat	Silicon carbide	Carbon
Rotating face	Carbon	Durchrome
Secondary seal	EPDM	Viton

- Spring:** Stainless steel
- Rotating hardware:** Stainless steel
- Gland plate:** Bronze

MOTOR DESIGN DATA

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

MAXIMUM PUMP OPERATING CONDITIONS

- ANSI 125**
 175 psig at 150°F (12 bars at 65°C)
 140 psig at 225°F (10 bars at 107°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
- For exact installation, data please write factory for certified dimensions
- See performance curves on page 3

OPTIONAL EQUIPMENT

SUCTION SIDE REQUIREMENT

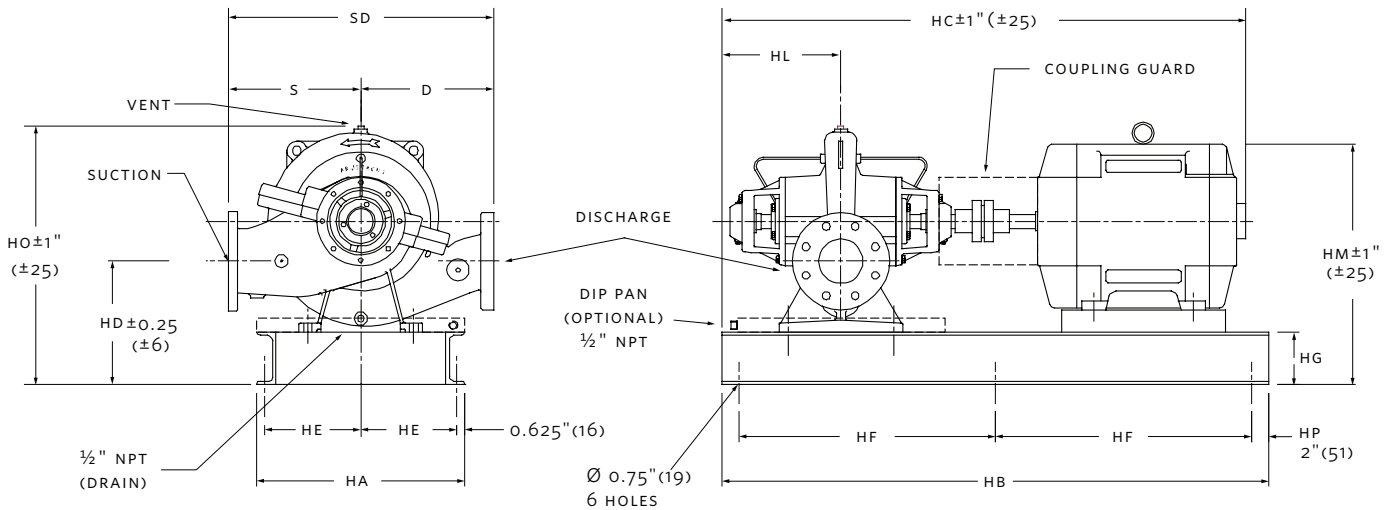
- Important (please select)**
 Viewed from motor end
 Right hand (illustrated) Left hand

MOTOR	HORSEPOWER @ RPM		DIMENSIONS INCHES (mm)											WEIGHT*	
	1800	1200	HA	HB	HC		HD	HE	HF	HG	HM		HO	lbs (kgs)	
					ODP	TEFC					ODP	TEFC		ODP	TEFC
284TC	—	15	19.00 (483)	58.00 (1473)	56.38 (1432)	59.26 (1505)	12.00 (305)	8.88 (225)	27.00 (686)	4.00 (102)	22.72 (577)	23.25 (591)	24.90 (632)	1005 (455.9)	1045 (474.0)
286TC	—	20	19.00 (483)	58.00 (1473)	56.38 (1432)	59.26 (1505)	12.00 (305)	8.88 (225)	27.00 (686)	4.00 (102)	22.72 (577)	23.25 (591)	24.90 (632)	1025 (464.9)	1065 (483.1)
324TC	40	—	19.00 (483)	58.00 (1473)	58.94 (1497)	62.06 (1576)	12.00 (305)	8.88 (225)	27.00 (686)	4.00 (102)	24.00 (610)	24.25 (616)	24.90 (632)	1190 (539.8)	1375 (623.7)
326TC	50	—	19.00 (483)	58.00 (1473)	58.94 (1497)	62.06 (1576)	12.00 (305)	8.88 (225)	27.00 (686)	4.00 (102)	24.00 (610)	24.25 (616)	24.90 (632)	1215 (551.1)	1490 (675.9)
364TC	60	—	19.00 (483)	64.00 (1626)	61.19 (1554)	64.34 (1634)	12.00 (305)	8.88 (225)	30.00 (762)	4.00 (102)	25.00 (635)	25.00 (635)	24.90 (632)	1390 (630.5)	1610 (730.3)
365TC	75	—	19.00 (483)	64.00 (1626)	61.19 (1554)	64.34 (1634)	12.00 (305)	8.88 (225)	30.00 (762)	4.00 (102)	25.00 (635)	25.00 (635)	24.90 (632)	1415 (641.8)	1735 (787.0)

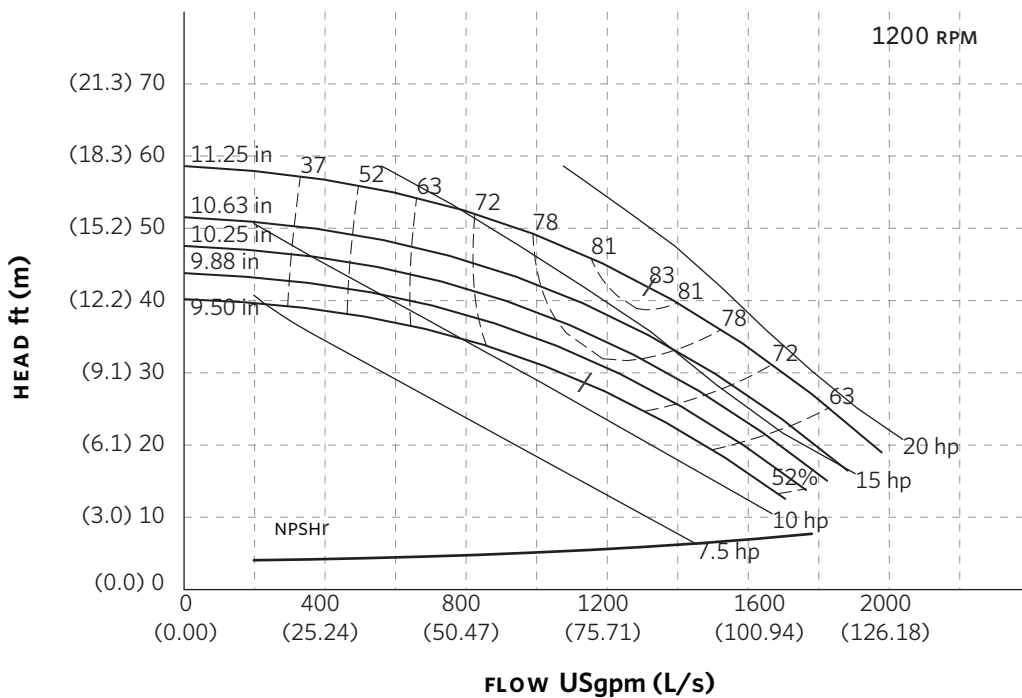
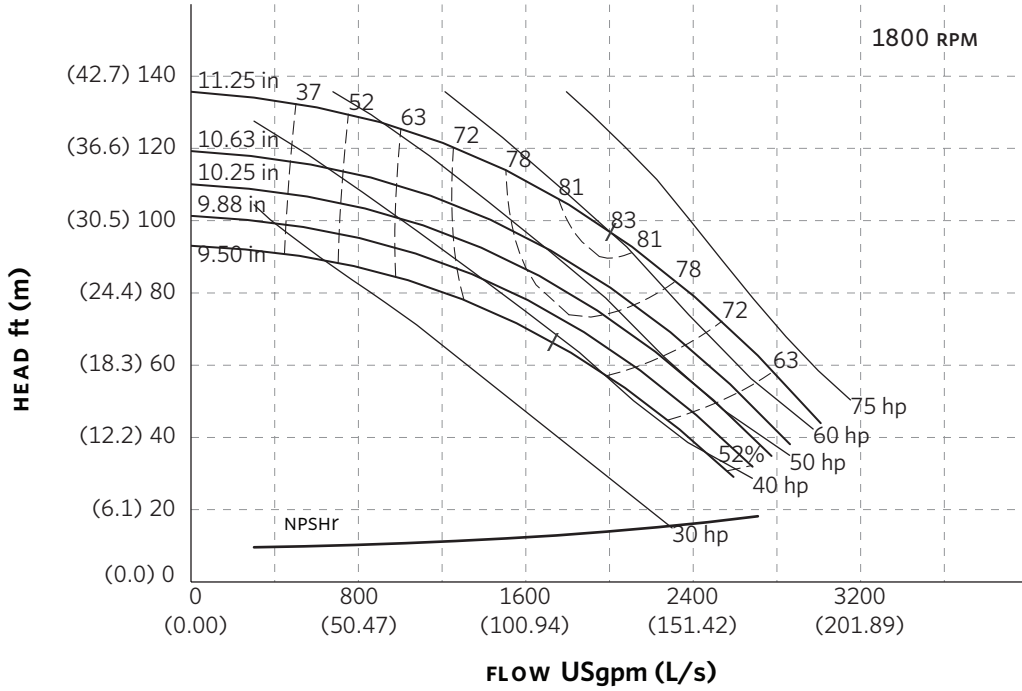
PUMP DIMENSIONS
inches (mm)

HL	S	D
13.50 (343)	16.00 (406)	16.00 (406)

*Assembly weight combines pump and motor.



SERIES 4600 PERFORMANCE CURVES



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

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