

SERIES 4302 | VERTICAL IN-LINE DUALARM SPLIT-COUPLED | 6 × 6 × 8 | SUBMITTAL

File No: 43D.519
Date: JAN. 16, 2015
Supersedes: 43D.519
Date: SEPT. 10, 2012

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: 6" (150mm) Discharge: 6" (150mm)

MOTOR DESIGN DATA

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

MATERIALS OF CONSTRUCTION

ANSI FLANGE RATING	ANSI 125	ANSI 250
Construction	<input type="checkbox"/> BF	<input type="checkbox"/> DBF
Casing	Cast iron	Ductile iron
Adapter	Cast iron	Ductile iron

Impeller: Bronze

Gasket: Confined non-asbestos fiber

Shaft: 416 stainless steel

Coupling: High tensile aluminum

Flush line: Braided stainless steel

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

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

- Coupling guard (not shown) is supplied
- See performance curves on page 3
- For exact installation, data please write factory for certified dimensions

MECHANICAL SEAL DATA

See file no. 43.50 for standard mechanical seal details as indicated below.

ARMSTRONG SEAL REFERENCE NUMBER:

c1 (a) Other: _____

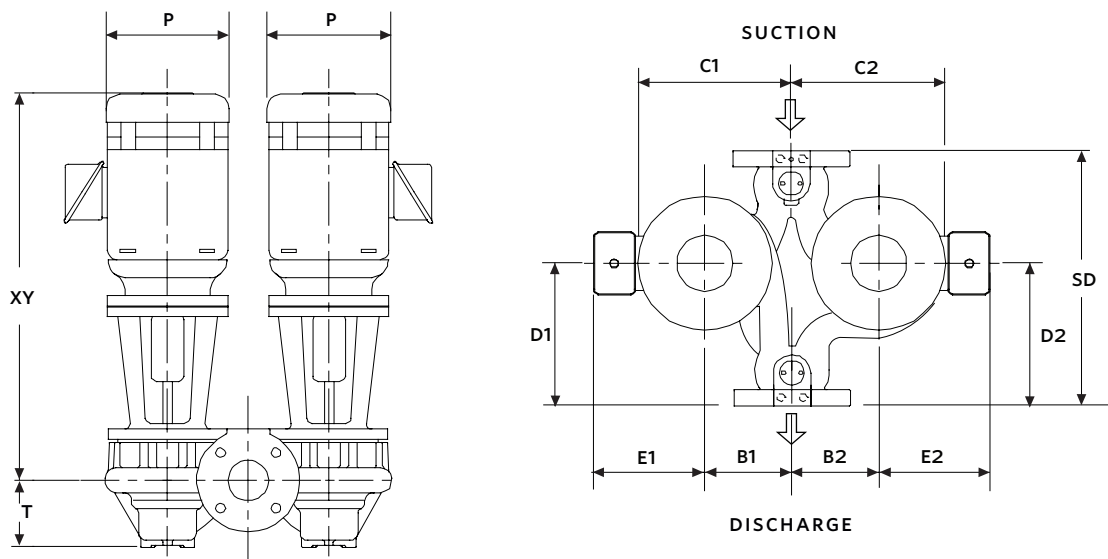
OPTIONAL EQUIPMENT

SEAL DATA OPTIONS

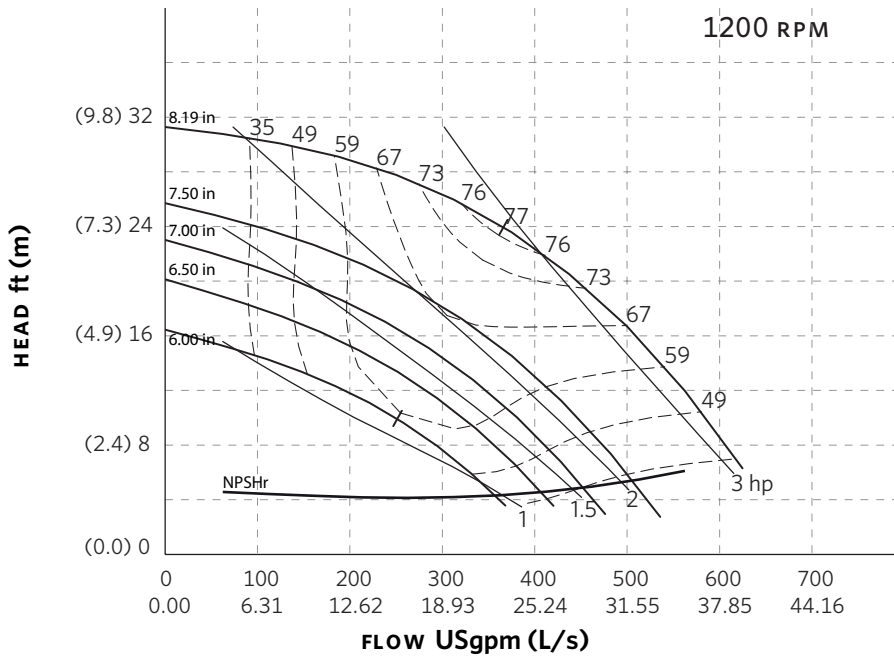
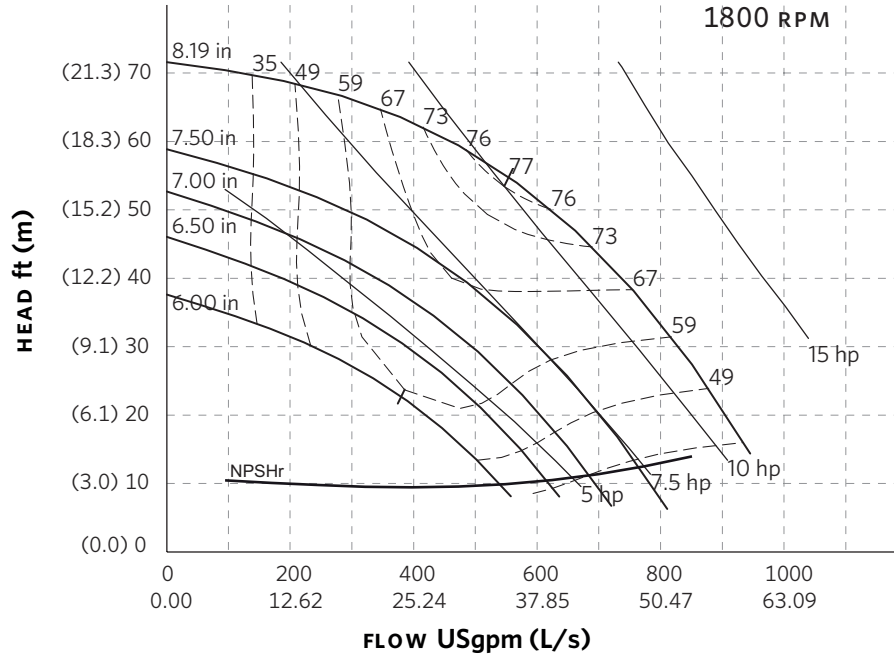
MOTOR FRAME	HP @ RPM		MAX. DIMENSIONS inches (mm)								WEIGHT	
	1800	1200	E1		E2		P		XY		lbs (kgs)	
			ODP	TEFC	ODP	TEFC	ODP	TEFC	ODP	TEFC	ODP	TEFC
182TC	—	1.5	6.84 (174)	7.50 (191)	6.84 (174)	7.50 (191)	10.38 (264)	9.56 (243)	26.94 (684)	26.82 (681)	610 (277.3)	638 (290.0)
184TC	5	—	6.84 (174)	7.50 (191)	6.84 (174)	7.50 (191)	10.38 (264)	9.56 (243)	26.94 (684)	26.82 (681)	630 (286.4)	650 (295.5)
184TC	—	2	6.84 (174)	7.50 (191)	6.84 (174)	7.50 (191)	10.38 (264)	9.56 (243)	26.94 (684)	26.82 (681)	630 (286.4)	658 (299.1)
213TC	—	3	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.44 (722)	29.57 (751)	690 (313.6)	—
213TC	—	/3	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.44 (722)	29.57 (751)	—	720 (327.3)
213TC	/7.5	—	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.44 (722)	29.57 (751)	650 (295.5)	—
213TC	7.5	—	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.44 (722)	29.57 (751)	650 (295.5)	—
215TC	10.0	—	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.44 (722)	29.57 (751)	710 (322.7)	750 (340.9)

PUMP DIMENSIONS
inches (mm)

B1	B2	C1	C2	D1	D2	SD	T
9.75 (248)	9.75 (248)	16.90 (429)	17.63 (448)	16.81 (427)	16.81 (427)	33.94 (862)	7.875 (200)



SERIES 4302 PERFORMANCE CURVES



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

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