

SERIES 4302 | VERTICAL IN-LINE DUALARM SPLIT-COUPLED | 4 × 4 × 6 | SUBMITTAL

File No: 43D.507
Date: DECEMBER 4, 2014
Supersedes: 43D.507
Date: SEPTEMBER 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: 4" (100mm) Discharge: 4" (100mm)

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: _____

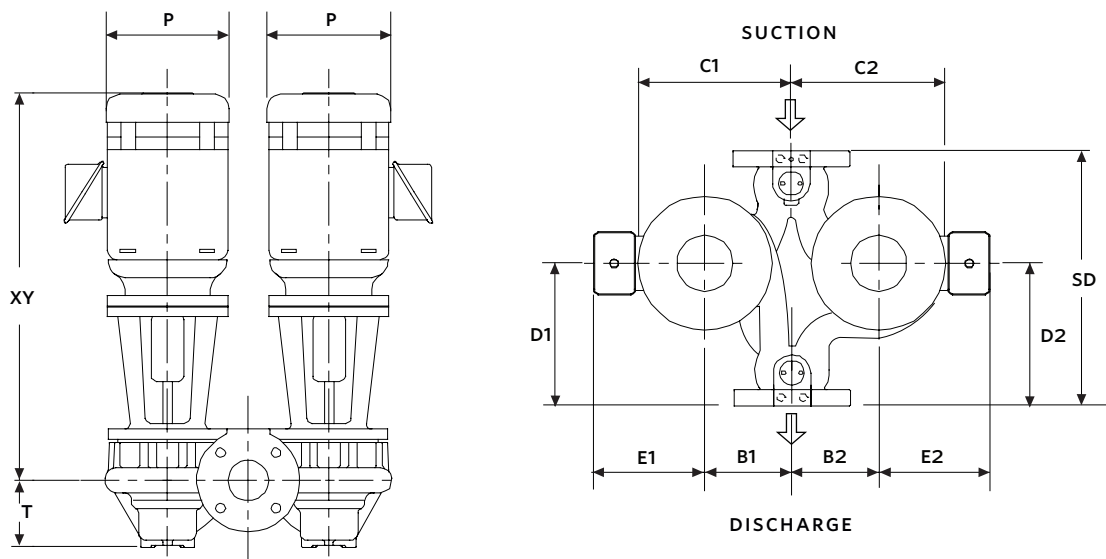
OPTIONAL EQUIPMENT

SEAL DATA OPTIONS

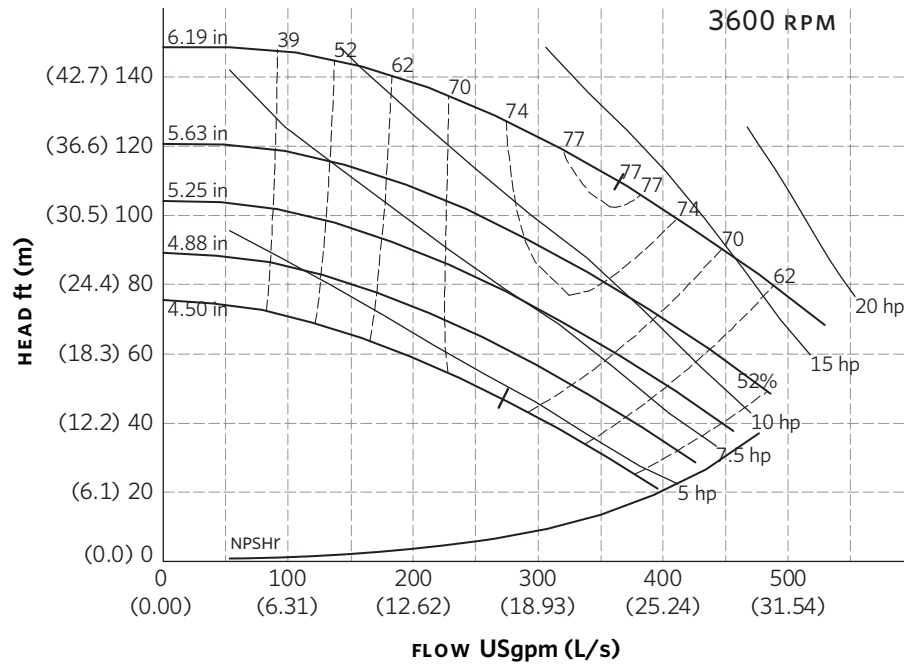
MOTOR FRAME	HP @ RPM		MAX. DIMENSIONS inches (mm)								WEIGHT		
	3600		1800	E1		E2		P		XY		lbs (kgs)	
	ODP	TEFC		ODP	TEFC	ODP	TEFC	ODP	TEFC	ODP	TEFC	ODP	TEFC
143TC	—	—	1	4.12 (105)	6.09 (155)	4.12 (105)	6.09 (155)	8.63 (219)	7.28 (185)	22.03 (560)	20.53 (521)	404 (183.3)	419 (190.1)
145TC	—	—	1.5 & 2.0	4.12 (105)	6.09 (155)	4.12 (105)	6.09 (155)	8.63 (219)	7.28 (185)	22.03 (560)	20.53 (521)	406 (184.2)	422 (191.4)
182TC	5	—	—	6.84 (174)	7.50 (191)	6.84 (174)	7.50 (191)	10.38 (264)	9.56 (243)	26.77 (674)	26.65 (671)	424 (192.3)	538 (244.0)
184TC	7.5	—	—	6.84 (174)	7.50 (191)	6.84 (174)	7.50 (191)	10.38 (264)	9.56 (243)	26.77 (674)	26.65 (671)	448 (203.2)	—
184TC	—	7.5	—	6.84 (174)	7.50 (191)	6.84 (174)	7.50 (191)	10.38 (264)	9.56 (243)	26.77 (674)	26.65 (671)	—	578 (262.2)
213TC	10	—	—	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.27 (718)	29.40 (747)	580 (263.1)	656 (297.6)
215TC	15	—	—	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.27 (718)	29.40 (747)	590 (267.6)	—
215TC	—	15	—	7.59 (193)	8.25 (210)	7.59 (193)	8.25 (210)	12.13 (308)	11.25 (286)	28.27 (718)	29.40 (747)	—	870 (394.6)

PUMP DIMENSIONS
inches (mm)

B1	B2	C1	C2	D1	D2	SD	T
6.81	6.81	12.13	12.63	13.84	13.84	26.63	5.80
(173)	(173)	(308)	(321)	(352)	(352)	(676)	(147)



SERIES 4302 PERFORMANCE CURVES



Curve number
PT71-1-0-3600

Series
4302
4382

Size
4 × 4 × 6

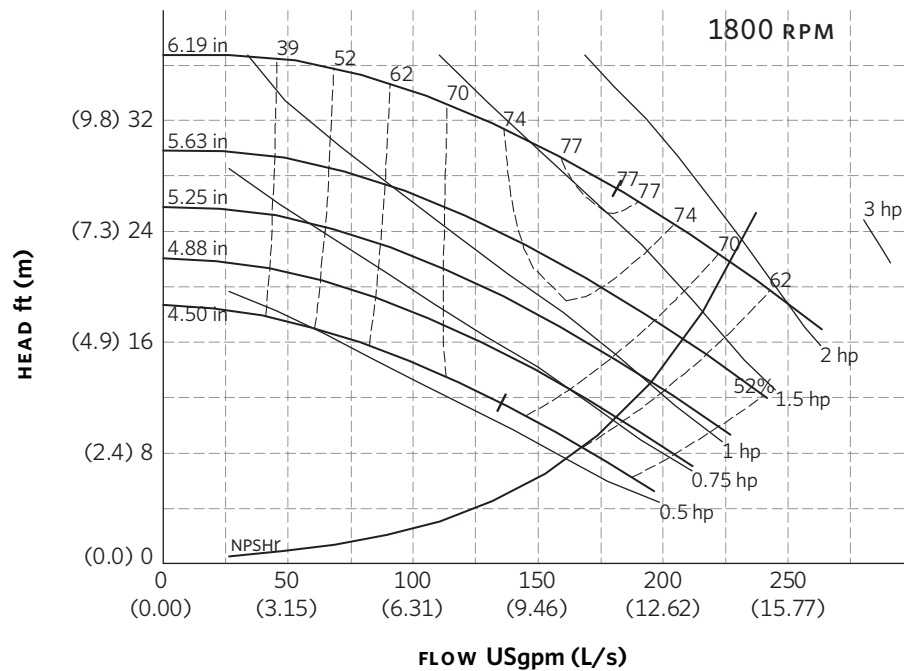
RPM
3600

BHP based on shown
Fluid's sp. gr.

Availability
4302 all ratings
4382 all ratings

Performance
guaranteed only
at operating point
indicated.

Curve shown for
clear, cold water
- SP. GR. 1.0000



Curve number
PT70-1-0-1800

Series
4302
4382

Size
4 × 4 × 6

RPM
1800

BHP based on shown
Fluid's sp. gr.

Availability
4302 FR 143 MIN.
4382 all ratings

Performance
guaranteed only
at operating point
indicated.

Curve shown for
clear, cold water
- SP. GR. 1.0000

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

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