

DESIGN ENVELOPE 4302 DUALARM

SINGLE PHASE | 0608-005.0 | SUBMITTAL

File No: 100.4555 Date: OCTOBER 27, 2014 Supersedes: NEW Date: NEW

Job:	Representative:	ntative:	
	Order No:	Date:	
Engineer:	Submitted by:	Date:	
Contractor:	Approved by:	Date:	
PUMP DESIGN DATA	CONTROLS DATA		
No. of pumps: Tag:	= :	Volts: 200-240VAC Freq: 50/60Hz Phase: 1	
Capacity:USgpm (L/s) Head:ft (r Liquid: Viscosity:	Sensorless control: Minimum system pressure		
Temperature:oF (oc) Specific gravity: Suction: 6" (150mm) Discharge: 6" (150mm	to be maintained:	ft (m)*	
Suction: 6 (150mm) Discharge: 6 (150mm		□ Modbus rtu □ BACnet™ Ms/TP □ Johnson® N2 □ Siemens® FLN	
MOTOR DESIGN DATA	Protocol (optional):	☐ Indoor - UL TYPE 12	
нр: 5	:	Outdoor - UL TYPE 4X with weather shield	
Enclosure: Volts: 208 Freq: 60 Hz		☐ Outdoor - UL TYPE 4X less	
Phase: 3 Efficiency: NEMA premium	Disconnect switch:	weather shield ☐ Non-fused	
	Duty/standby		
MAXIMUM PUMP OPERATING CONDITIONS	pre-wired bridge:		
ANSI 125	EMI/RFI control:	1-phase IVS102 units do not meet the EN61800-3 directive	
175 psig at 150°F (12 bars at 65°C) 140 psig at 250°F (10 bars at 121°C)	Harmonic suppression:	Dual pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**	
ANSI 250	Cooling:	Fan-cooled through back channel	
250 psig at 150°F (17 bars at 65°C) 250 psig at 250°F (17 bars at 121°C)		-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)	
 Tolerance of ±0.125" (±3 mm) should be used For exact installation, data please write factory for 	Analog I/o:	Two current or voltage inputs, one current output	
certified dimensions	Digital ı/o:	Six programmable inputs (two can be configured as outputs)	
	•	Two programmable	
MECHANICAL SEAL DESIGN DATA		Two programmable	
See file no. 43.50 for standard mechanical seal details as	Communication port:	1-RS485, 1-USB	
indicated below	: * If minimum maintained system pre	ssure is not known: Default to 40% of design head drive via built-in DC line reactors. This does not	

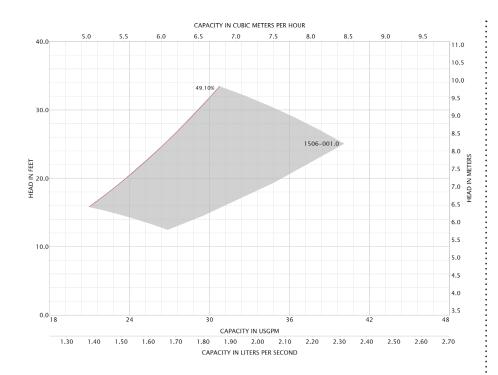
Armstrong seal reference number

☐ Others:

☐ A1 (c)

- ogrammable , 1-USB
- uilt-in DC line reactors. This does not guaranty performance to any system wide harmonic specification or the costs to meet a system wide specification. If supplied with the system electrical details, Armstrong will run a computer simulation of the system wide harmonics. If system harmonic levels are exceeded Armstrong can also recommend additional harmonic mitigation and the costs for such mitigation.

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Performance curves are for reference only.

 $Confirm\ current\ performance\ data\ with\ Armstrong\ {\tt ACE}\ Online\ selection\ software.$

DIMENSION DATA

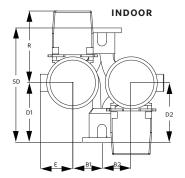
	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	184	184
Size:	4×4×8	4×4×8
HP:	5	5
RPM:	1450	1450
AB:	29.39(746)	35.42(900)
В1:	9.75(248)	9.75(248)
B2:	9.75(248)	9.75(248)
C1:	16.90(429)	16.90(429)
C2:	17.63(448)	17.63(448)
D1:	16.81(427)	16.81(427)
D2:	16.81(427)	16.81(427)
E:	6.84(174)	7.50(191)
F:	15.94(405)	19.50(495)
P:	10.38(264)	9.56(243)
SD:	33.94(862)	33.94(862)
T:	8.12(206)	8.12(206)
XY:	26.69(678)	26.57(675)
Weight:	732(332.0)	788(357.4)

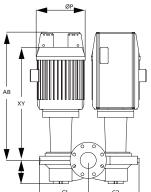
OUTDOOR

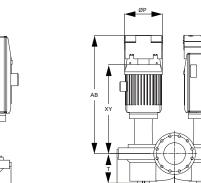
WEATHER

SHIELD

Dimensions - inch (mm) Weight - lbs (kg)







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