

# **DESIGN ENVELOPE 4302 DUALARM**

☐ A1 (c)

☐ Others: \_

# SINGLE PHASE | 0808-007.5 | SUBMITTAL

File No: 100.4557 Date: OCTOBER 27, 2014 Supersedes: NEW Date: NEW

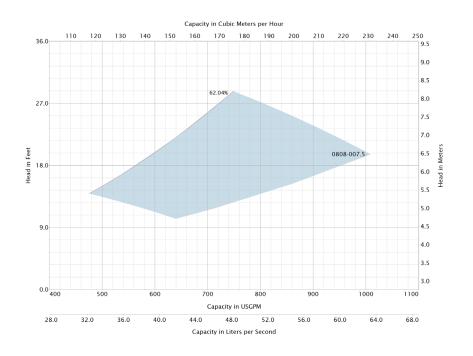
a system wide specification. If supplied with the system electrical details, Armstrong will run a computer simulation of the system wide harmonics. If system harmonic levels

are exceeded Armstrong can also recommend additional harmonic mitigation and the

costs for such mitigation.

Job:	Representative:	
	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
Liquid:oF (°c) Specific gravity: Suction: 8" (200mm) Discharge: 8" (200mm	Sensorless control:  Minimum system pressure to be maintained:	ft (m)* □ Modbus RTU □ BACnet™ MS/TP
MOTOR DESIGN DATA	:	☐ Indoor – UL TYPE 12
HP: 7.5         RPM: 1450         Frame size:           Enclosure:         Volts: 208         Freq: 60 Hz	_	☐ Outdoor - UL TYPE 4X with  weather shield ☐ Outdoor - UL TYPE 4X less  weather shield
Phase: 3 Efficiency: NEMA premium	Disconnect switch: Duty/standby	☐ Non-fused
MAXIMUM PUMP OPERATING CONDITIONS  ANSI 125	pre-wired bridge: 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 Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
<b>ANSI 250</b> 250 psig at 150°F (17 bars at 65°C) 250 psig at 250°F (17 bars at 121°C)	•	Fan-cooled through back channel -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
<ul> <li>Tolerance of ±0.125" (±3 mm) should be used</li> <li>For exact installation, data please write factory for certified dimensions</li> </ul>		Two current or voltage inputs, one current output Six programmable inputs (two can
	Pulse inputs:	be configured as outputs) Two programmable
MECHANICAL SEAL DESIGN DATA	Relay outputs:  Communication port:	Two programmable 1-RS485, 1-USB
See file no. 43.50 for standard mechanical seal details as indicated below	* If minimum maintained system pre  ** The IVS 102 drive is a low harmonic	ssure is not known: Default to 40% of design head drive via built-in Dc line reactors. This does not
Armstrong seal reference number		m wide harmonic specification or the costs to meet

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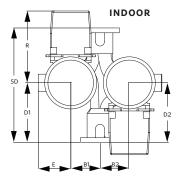
Performance curves are for reference only.

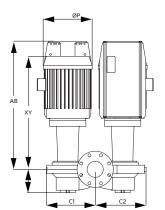
 $Confirm\ current\ performance\ data\ with\ Armstrong\ {\tt ACE}\ Online\ selection\ software.$ 

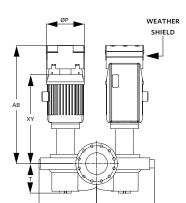
#### **DIMENSION DATA**

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	213	213
Size:	8×8×8	8×8×8
HP:	7.5	7.5
RPM:	1450	1450
AB:	32.33(821)	38.12(968)
B1:	10.00(254)	10.00(254)
B2:	9.00(229)	9.00(229)
C1:	18.50(470)	18.50(470)
C2:	18.60(472)	18.60(472)
D1:	18.50(470)	18.50(470)
D2:	23.00(584)	23.00(584)
E:	7.59(193)	8.25(210)
F:	16.77(426)	20.25(514)
P:	12.13(308)	11.25(286)
SD:	45.50(1156)	45.50(1156)
T:	9.47(240)	9.47(240)
XY:	28.63(727)	29.76(756)
Weight:	762(345.6)	818(371.0)

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







OUTDOOR

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