

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.

DESIGN ENVELOPE 4302 DUALARM

SINGLE PHASE | 0408-003.0 | SUBMITTAL

File No: 100.4552

Date: OCTOBER 27, 2014

Supersedes: NEW

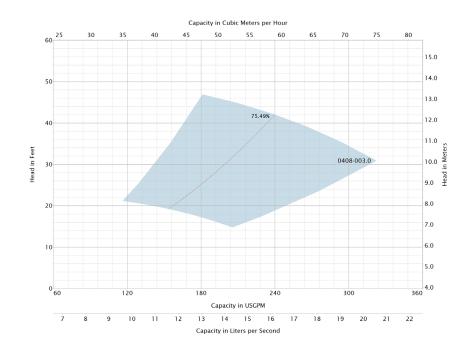
Date: NEW

Job:	Representative:	
	Order No:	Date:
Engineer:	Submitted by:	Date:
Contractor:	Approved by:	Date:
PUMP DESIGN DATA	CONTROLS DATA	
No. of pumps: Tag:	Power supply:	Volts: 200-240VAC
Capacity:USgpm (L/s) Head:f	t (m)	Freq: 50/60Hz Phase: 1
Liquid: Viscosity:	Sensorless control:	Standard
Temperature:oF(oc) Specific gravity:	Minimum system pressure to be maintained:	ft (m)*
Suction: 4" (100mm) Discharge: 4" (100m	•	☐ Modbus RTU ☐ BACnet™ MS/TP
		☐ Johnson® N2 ☐ Siemens® FLN
	Protocol (optional):	□ LonWorks®
MOTOR DESIGN DATA	Enclosure:	☐ Indoor – UL TYPE 12
нр: 3		☐ Outdoor – UL TYPE 4X with
Enclosure: Volts: 208 Freq: 60 Hz		weather shield ☐ Outdoor - UL TYPE 4X less
Phase: 3 Efficiency: NEMA premium		weather shield
Filase. 3 Efficiency. Nema premium	Disconnect switch:	\square 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 Dc-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)	Ambient temperature:	-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 ı/o:	Two current or voltage inputs, one current output
certified dimensions	Digital ı/o:	Six programmable inputs (two can be configured as outputs)
	Pulse inputs:	Two programmable
MECHANICAL SEAL DESIGN DATA	Relay outputs:	Two programmable
Car Clause to the familiar dead on the charles of the Co.	Communication port:	1-RS485, 1-USB
See file no. 43.50 for standard mechanical seal details indicated below	* If minimum maintained system pre ** The IVS 102 drive is a low harmonic	essure is not known: Default to 40% of design head drive via built-in pc line reactors. This does not
Armstrong seal reference number	guaranty performance to any syste	em wide harmonic specification or the costs to meet

☐ Others: _

☐ A1 (c)

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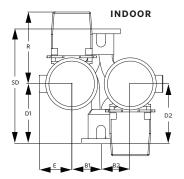
Performance curves are for reference only.

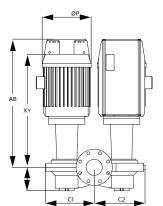
 ${\it Confirm \ current \ performance \ data \ with \ Armstrong \ {\it ACE \ Online \ selection \ software.}}$

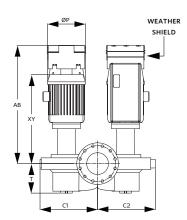
DIMENSION DATA

	INDOOR	OUTDOOR	
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)	
Frame size:	182	182	
Size:	4×4×8	4×4×8	
HP:	3	3	
RPM:	1450	1450	
AB:	29.23(742)	35.26 (896)	
B1:	8.75(222)	8.75(222)	
B2:	8.75(222)	8.75(222)	
C1:	15.09(383)	15.09(383)	
C2:	15.63(397)	15.63(397)	
D1:	14.84(377)	14.84(377)	
D2:	14.84(377)	14.84(377)	
E:	6.84(174)	7.50(191)	
F:	15.94(405)	19.50(495)	
P:	10.38(264)	9.56(243)	
SD:	27.63(702)	27.63(702)	
T:	6.28(160)	6.28(160)	
XY:	26.54(674)	26.42(671)	
Weight:	588(266.7)	650(294.8)	

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







OUTDOOR

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