

DESIGN ENVELOPE 4302 DUALARM | 0308-003.0 | SUBMITTAL

File No: 100.4438 Date: OCTOBER 30, 2015 Supersedes: 100.4436 Date: AUGUST 14, 2015

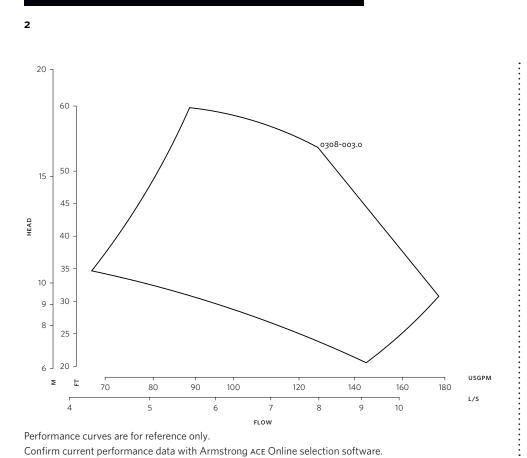
Job:	_ Representative:			
	_ Order No:	Date:		
Engineer:	_ Submitted by:	Date:		
Contractor:	_ Approved by:	Date:		
PUMP DESIGN DATA	CONTROLS DATA			
No. of pumps: Tag:	Sensorless Control	: Standard		
Capacity:USgpm (L/s) Head: Liquid: Viscosity:	the base of the second states and the second states and the second states and the second states are set of the second states are second states are set of the second states are second states are set of the second states are set of the second states are seco	: ft (m)*		
Temperature:°F (°C) Specific gravity:	Protocol (standard)	: □ Modbus RTU □ BACnet [™] MS/TP □ Johnson [®] N2 □ Siemens [®] FLN		
Suction: 3" (75mm) Discharge: 3" (75m	m) Protocol (optional)	:□LonWorks [®]		
OSHPD Seismic Certification OSP-0422-10 UL STD 778 & CSA STD C22.2 NO.108 certified	Enclosure	□ Indoor – UL TYPE 12 □ Outdoor – UL TYPE 4X with Weather Shield		
MOTOR DESIGN DATA		☐ Outdoor – UL TYPE 4X less Weather Shield		
нр: RPM: Frame size: Enclosure: _	Fused disconnect switch	: 🗆		
Volts: Hertz: 60 Hz Phase: 3	Duty/standby pre-wired bridge			
Efficiency: NEMA premium 12.12		: Integrated filter designed to meet EN61800-3		
MAXIMUM PUMP OPERATING CONDITIONS	Harmonic suppression	: Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**		
175 psig at 150°F (12 bars at 65°C)	Cooling	: Fan-cooled through back channel		
140 psig at 250°F (10 bars at 121°C) ANSI 250		 -10°c to +45°c up to 1000 meters above sea level (-14°F to +113°F, 3300 ft) 		
250 psig at 150°F (17 bars at 65°C) 250 psig at 250°F (17 bars at 121°C)	Analog ı/o	 Two current or voltage inputs, one current output 		
• Tolerance of ±0.125" (±3 mm) should be used	Digital ı/o	 Six programmable inputs (two can be configured as outputs) 		
 For exact installation, data please write factory for certified dimensions 	Pulse inputs	: Two programmable		
	Relay outputs	: Two programmable		
MECHANICAL SEAL DESIGN DATA	Communication port	: 1-rs485, 1-usb		
See file no. 43.50 for standard mechanical seal details a	as *If minimum maintained system pre	ssure is not known: Default to 40% of design head		

:

indicated below

Armstrong seal reference number

🗆 c1 (a) □ Others: __ *The IVS 102 drive is a low harmonic drive via built-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.



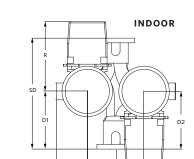
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(UL TYPE 12/ODP) (UL TYPE 4X/TEF Frame size: 182 Size: 3×3×8 HP: 3 RPM: 1800 AB: 27.53(699) 33.49(851) B1: 7.00(178) B2: 7.00(178) C1: 12.50(318) C2: 12.63(321) D1: 10.69(271) D2: 10.69(271) D3: 0.50(174) F: 13.65(347) F: 13.65(347) 19.06(484) 19.06(484) T: 5.09(129)		INDOOR	OUTDOOR
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D1: 10.69(271) 10.69(271) D2: 10.69(271) 10.69(271) E: 6.84(174) 7.50(191) P: 10.38(264) 9.56(243) F: 13.65(347) 19.50(495) SD: 19.06(484) 19.06(484)	C1:	12.50(318)	12.50(318)
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P:10.38(264)9.56(243)F:13.65(347)19.50(495)SD:19.06(484)19.06(484)	D2:	10.69(271)	10.69(271)
F:13.65(347)19.50(495)SD:19.06(484)19.06(484)	E:	6.84(174)	7.50(191)
SD: 19.06(484) 19.06(484)	Р:	10.38(264)	9.56(243)
	F:	13.65(347)	19.50(495)
T: 5.09(129) 5.09(129)	SD:	19.06(484)	19.06(484)
	т:	5.09(129)	5.09(129)
XY: 26.54(674) 26.42(671)	XY:	26.54(674)	26.42(671)
Weight: 518(235.0) 580(263.1)	Weight:	518(235.0)	580(263.1)

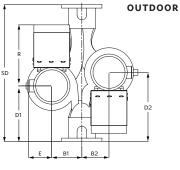
Dimensions - inch (mm)

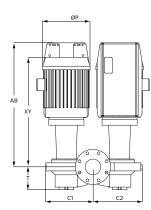
Weight – Ibs (kg)

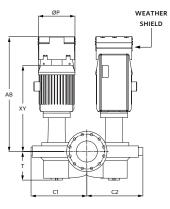


B1

B2







TORONTO

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