

DESIGN ENVELOPE EXPRESS PUMP 4300 |

0308-003.0 | SUBMITTAL

File No: 100.3034

Date: DECEMBER 24, 2015

Supersedes: 100.3034

Date: SEPTEMBER 22, 2015

Job:		Repres	sentative:	
		Order	No:	Date:
Engineer:		_ Submitted by:		Date:
Contractor:		_ Approved by:		Date:
PUMP DESIGN DATA			CONTROLS DATA	∕ ⇒EXPRESS
No. of pumps:	Tag:		Sensorless Control:	Standard
Capacity:USgpm (L/s) Liquid:			Minimum system pressure to be maintained:	ft (m)*
Temperature: °F (°C)	Specific gravity:		Orientation:	L1
Suction: 3" (75mm)	Discharge: 3" (75mm	1)	Protocol:	$BACnet^{TM}$
OSHPD Seismic Certification OSP-0422-10			Enclosure:	Indoor - UL TYPE 12
UL STD 778 & CSA STD C22.2 NO.108 certified			EMI/RFI control:	Integrated filter designed to meet EN61800-3
MOTOR DESIGN DATA HP: 3 RPM: 1800 Frame size: 182 Enclosure: TEFC			Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
Volts: □ 230V □ 460V □ 575V Hertz: 60 Hz			Cooling:	Fan-cooled through back channel
Phase: 3 Efficiency: NEMA premium 12.12			Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
MAXIMUM PUMP OPERATING CONDITIONS ANSI 125 175 psig at 150°F (12 bars at 65°C)		Analog ı/o:	Two current or voltage inputs, one current output	
			Digital ı/o:	Six programmable inputs (two can be configured as outputs)
100 psig at 300°F (7 bars at 150°C)			Pulse inputs:	Two programmable
ANSI 250			Relay outputs:	Two programmable
375 psig at 150°F (26 bars at 65°C) 260 psig at 300°F (21 bars at 150°C)			Communication port:	1-RS485, 1-USB
			•	

*If minimum maintained system pressure is not known: Default to 40% of design head

**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.

MECHANICAL SEAL DESIGN DATA

certified dimensions

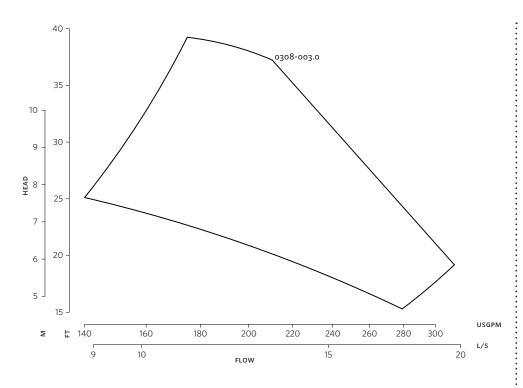
• Tolerance of ±0.125" (±3 mm) should be used

• For exact installation, data please write factory for

See file no. 43.50 for standard mechanical seal details as indicated below

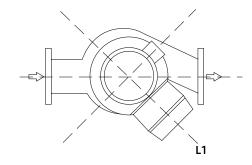
Armstrong seal reference number: c1 (a)

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Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.



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MANCHESTER

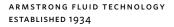
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BANGALORE

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SHANGHAI

+86 21 3756 6696



DIMENSION DATA

	INDOOR
	(UL TYPE 12/TEFC)
Frame size:	182
Size:	3×3×8
HP:	3
RPM:	1800
AB:	27.55(700)
в:	6.75(171)
c:	5.80(147)
D:	10.00(254)
E:	12.56(319)
P:	10.38(264)
F:	24.56(624)
s:	12.00(305)
SD:	22.00(559)
T:	6.31(160)
XY:	26.54(674)

Weight: 279(126.6)

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

