

DESIGN ENVELOPE 4300 VIL 0810-030.0 SUBMITTAL

Armstrong seal reference number

☐ Others: __

□ c1 (a)

File No: 100.4110

Date: DECEMBER 17, 2015

Supersedes: 100.4122

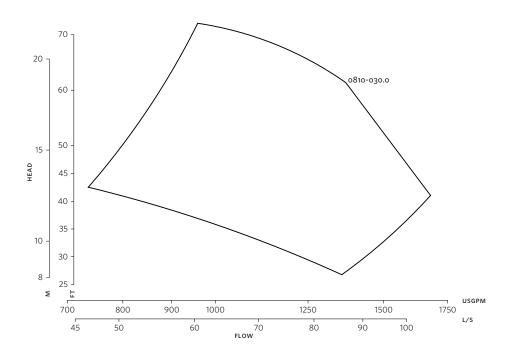
Date: AUGUST 14, 2015

Job:	Rep	oresentative:	
	Orc	der No:	Date:
Engineer: Subr		omitted by:	Date:
Contractor:	Ар	proved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	: Sensorless Control:	Standard
Capacity:USgpm (L/s) Liquid:		4. 6	ft (m)*
Temperature: °F (°C)		0	☐ L1 (default) ☐ L2 ☐ L3 ☐ L4
Suction: 8" (200mm)	Discharge: 8" (200mm)	- :	☐ Modbus rtu ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
OSHPD Seismic Certification OSP-0422-10 UL STD 778 & CSA STD C22.2 NO.108 certified MOTOR DESIGN DATA HP: RPM: Frame size: Enclosure:		Protocol (optional):	☐ LonWorks®
			☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4x with Weather Shield ☐ Outdoor – UL TYPE 4x less Weather Shield
Volts: Hertz: 60 H		Fused disconnect switch:	
Efficiency: NEMA premium 12.12	12 Filase. 3	емі/кғі control:	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**
ANSI 125 175 psig at 150°F (12 bars at 65°C)		Cooling:	Fan-cooled through back channel
100 psig at 300°F (7 bars at 150°C)		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
ANSI 250 375 psig at 150°F (26 bars at 65°C)		Analog ı/o:	Two current or voltage inputs, one current output
260 psig at 300°F (21 bars at 150°C)		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
 Tolerance of ±0.125" (±3 mm) should be used For exact installation, data please write factory for certified dimensions 		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
		Communication port:	1-RS485, 1-USB
MECHANICAL SEAL DESIGN	DATA		
See file no. 43.50 for standard mechanical seal details as indicated below		**The IVS 102 drive is a low harmonic o	ure is not known: Default to 40% of design head drive via built-in DC line reactors. This does not n wide harmonic specification or the costs to meet

and the costs for such mitigation.

^{*}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 mee 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

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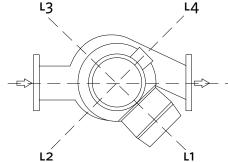


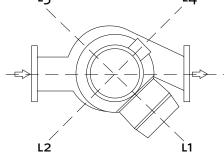
Performance curves are for reference only. $Confirm\ current\ performance\ data\ with\ Armstrong\ ACE\ Online\ selection\ software.$ **DIMENSION DATA**

	INDOOR	OUTDOOR	
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)	
Frame size:	286	286	
Size:	8×8×10	8×8×10	
HP:	30	30	
RPM:	1800	1800	
AB:	42.91(1090)	48.31(1227)	
в:	11.56(294)	11.56(294)	
c:	8.94(227)	8.94(227)	
D:	17.00(432)	17.00(432)	
E:	15.84(402)	19.68(500)	
P:	13.38(340)	15.31(389)	
F:	42.32(1075)	46.75(1187)	
s:	22.00(559)	22.00(559)	
SD:	39.00(991)	39.00(991)	
T:	9.75(248)	9.75(248)	
XY:	37.77(959)	43.90(1115)	
Weight:	1030(467.2)	1125(510.3)	

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

OUTDOOR





SD SD WEATHER SHIELD ΧY ΑВ

TORONTO

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INDOOR