

DESIGN ENVELOPE 4300 VIL 0611-010.0 SUBMITTAL

Armstrong seal reference number

☐ Others: __

□ c1 (a)

File No: 100.4118

Date: DECEMBER 17, 2015

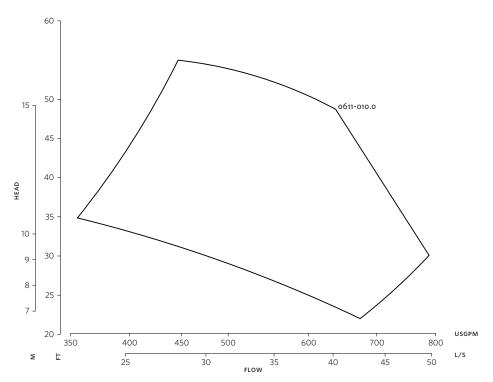
Supersedes: 100.4111

Date: AUGUST 14, 2015

Job:		Represe	ntative:	
		Order N	0:	Date:
Engineer: Subm Contractor: Appro		Submitted by:		Date:
		Approve	ed by:	Date:
PUMP DESIGN DATA		:	CONTROLS DATA	
No. of pumps:	Tag:	:	Sensorless Control:	Standard
Capacity:USgpm (L/s) Liquid:		:	Minimum system pressure to be maintained:	ft (m)*
Temperature: °F (°C)			Orientation:	□ L1 (default) □ L2 □ L3 □ L4
Suction: 6" (150mm)	Discharge: 6" (150mr	•	Protocol (standard):	☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
OSHPD Seismic Certification OSP-0422-10			Protocol (optional):	☐ LonWorks®
UL STD 778 & CSA STD C22.2 NO.108 certified MOTOR DESIGN DATA			Enclosure: ☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4X with Weather Shield	
	F. d	:		☐ Outdoor - UL TYPE 4X less Weather Shield
HP: RPM: Frame size: _		- :	Fused disconnect switch:	
Volts: Hertz: 60 F Efficiency: NEMA premium 12.12	dz Phase: 3	•	EMI/RFI control:	Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERATIN	IG 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			*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	

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.

2



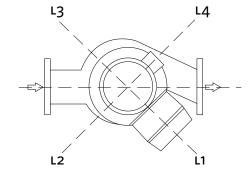
 $\label{performance curves are for reference only.} \\$

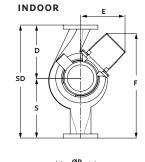
 $Confirm\ current\ performance\ data\ with\ Armstrong\ ACE\ Online\ selection\ software.$

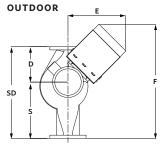
DIMENSION DATA

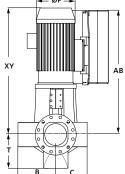
	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	215	215
Size:	6×6×11.5	6×6×11.5
HP:	10	10
RPM:	1500	1500
AB:	28.42(722)	28.42(722)
в:	9.80(249)	9.80(249)
c:	8.50(216)	8.50(216)
D:	16.50(419)	16.50(419)
E:	13.17(335)	13.17(335)
F:	13.17(335)	13.17(335)
P:	12.13(308)	11.25(286)
s:	18.50(470)	18.50(470)
SD:	35.00(889)	35.00(889)
T:	9.75(248)	9.75(248)
XY:	28.16(715)	29.28(744)
Weight:	626(283.9)	668(303.0)

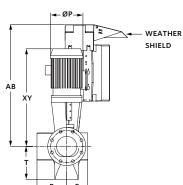
Dimensions - inch (mm) Weight - lbs (kg)











TORONTO +1 416 755 2291

BUFFALO

+1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

+44 (0) 8444 145 145

BANGALORE

+91 (0) 80 4906 3555

SHANGHAI

+86 21 3756 6696

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