

DESIGN ENVELOPE 4300 VIL

SINGLE PHASE | 0308-007.5 | SUBMITTAL

File No: 100.4289

Date: OCTOBER 27, 2014

Supersedes: NEW

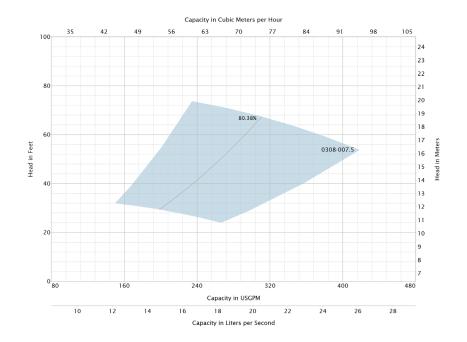
Date: NEW

Job:			Repres	sentative:			
			_ Order	No:	Date	e:	
Engineer:			Submi	Submitted by:		9 :	
Contractor:			_ Appro	Approved by:		_ Date:	
PUMP DESIGN I	DATA			CONTROLS DATA			
		Tag:		Power supply:	Volts: 200-240v Freq: 50/60Hz	AC Phase: 1	
		Viscosity:		: Sensorless Control:	Standard		
Temperature:	°F (°C)	Specific gravity:		Minimum system pressure to be maintained:		ft (m)*	
Suction: 3" (75mm) Discharge: 3" (75mm)			nm)	Orientation:	: □ L1 (default) □ L2 □ L3 □ L4		
				Protocol (standard):		☐ BACnet™ MS/TF☐ Siemens® FLN	
MOTOR DESIGN DATA				Protocol (optional):	\square LonWorks $^{\otimes}$		
нр: 7.5 Enclosure:		Frame size: Freq: 60 Hz		Enclosure:	Enclosure: ☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4X with Weather Shield ☐ Outdoor – UL TYPE 4X less Weather Shield		
Phase: 3	Efficiency: N	EMA premium					
				Disconnect switch:	\square Non-fused		
MAXIMUM PUMP OPERATING CONDITIONS				ЕМІ/RFI control:	1-phase IVS102 units do not meet the EN61800-3 directive		
ANSI 125 175 psig at 150°F (12 bars at 65°C) 100 psig at 300°F (7 bars at 150°C)				Harmonic suppression:	Dual DC-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements**		
ANSI 250				Cooling:	Fan-cooled throu	ugh back channel	
375 psig at 150°F (26 bars at 65°C) 260 psig at 300°F (21 bars at 150°C)				Ambient temperature:	-10°c to +45°c up above sea level (3300 ft)	to 1000 meters -14°F to +113°F,	
 Tolerance of ±0.125" (±3 mm) should be used For exact installation, data please write factory for 				Analog I/o:	Two current or vone current outp		
certified dimensions				Digital ı/o:	Six programmab be configured as	le inputs (two can outputs)	
				Pulse inputs:	Two programma	ble	
MECHANICAL SEAL DESIGN DATA				Relay outputs:	Two programma	ble	
See file no. 43.50 for standard mechanical seal details as				Communication port: 1-RS485, 1-USB			
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			
Armstrong seal reference number				guaranty performance to any system wide harmonic specification or the costs to			
☐ A1 (c) ☐ Others:				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

 $\label{eq:mitigation} \mbox{mitigation and the costs for such mitigation.}$

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

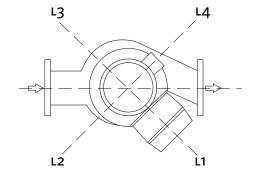
 $Confirm\ current\ performance\ data\ with\ Armstrong\ ACE\ Online\ selection\ software.$

DIMENSION DATA

	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	213	213
Size:	3×3×8	3×3×8
HP:	7.5	7.5
RPM:	1810	1810
AB:	31.73(806)	37.76(959)
в:	6.75(171)	6.75(171)
c:	5.80(147)	5.80(147)
D:	10.00(254)	10.00(254)
E:	14.95(380)	18.45(469)
F:	14.95(380)	18.43(468)
P:	12.13(308)	11.25(286)
s:	12.00(305)	12.00(305)
SD:	22.00(559)	22.00(559)
T:	6.31(160)	6.31(160)
XY:	28.04(712)	29.16(741)
Weight:	346(156.9)	396(179.6)

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

INDOOR



SD S S WEATHER SHIELD

OUTDOOR

TORONTO

+1 416 755 2291

BUFFALO

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BIRMINGHAM

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MANCHESTER

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