

DESIGN ENVELOPE 4312 TWIN

SINGLE PHASE | 0310-005.0 | SUBMITTAL

Job: ______ Representative: _____

File No: 100.4876

Date: OCTOBER 27, 2014

Supersedes: NEW

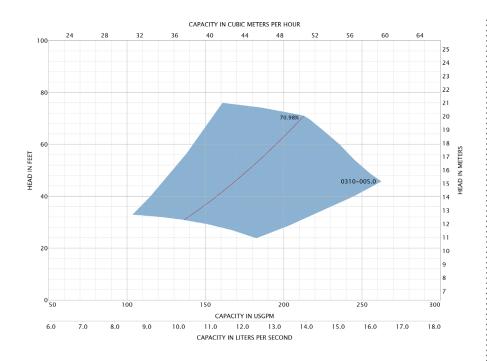
Date: NEW

	Order No:	Date:
Engineer:	Submitted by:	Date:
Contractor:	Approved by:	Date:
PUMP DESIGN DATA	CONTROLS DATA	
No. of pumps: Tag:	Power su	pply: Volts: 200-240VAC
Capacity:USgpm (L/s) Head:	ft (m)	Freq: 50/60Hz Phase: 1
Liquid: Viscosity:	Sensorless cor	ntrol: Standard
Temperature:°F (°C) Specific grav	Minimum system pres	
Suction: 3" (75mm) Discharge: 3	to be mainta	ined: ft (m)*
Juction: 3 (/Sillin) Discharge.	Protocol (stand	ard): ☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
	Protocol (ontio	onal): ☐ LonWorks®
MOTOR DESIGN DATA	•	sure: Indoor - UL TYPE 12
	:	☐ Outdoor - UL TYPE 4x with
	:	weather shield
Enclosure: Volts: 208 Freq: 60) Hz	☐ Outdoor – UL TYPE 4X less
Phase: 3 Efficiency: NEMA premi	ium Disconnect su	weather shield √itch: □ Non-fused
	Duty/star	
	pre-wired br	
MAXIMUM PUMP OPERATING COND	NITIONS :	ntrol: 1-phase IVS102 units do not meet the
ANSI 125		EN61800-3 directive
175 psig at 150°F (12 bars at 65°C)	Harmonic suppres	sion: Dual oc-link reactors (Equivalent: 5%
140 psig at 250°F (10 bars at 121°C)		AC line reactor) Supporting IEEE
		519-1992 requirements**
• Tolerance of ± 0.125 " (± 3 mm) should be us	eu	pling: Fan-cooled through back channel
 For exact installation, data please write fac certified dimensions 	ctory for Ambient tempera	ture: -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
	Analog	g I/o: Two current or voltage inputs, one current output
MECHANICAL SEAL DESIGN DATA	Digita	ll I/o: Six programmable inputs (two can be configured as outputs)
See file no. 43.50 for standard mechanical se	eal details as Pulse in	puts: Two programmable
indicated below	•	puts: Two programmable
Armstrong seal reference number	Communication	port: 1-RS485, 1-USB
□ A1 (c) □ Others:	- **The IVS 102 drive is a low harmon	pressure is not known: Default to 40% of design head iic drive via built-in oc line reactors. This does not stem wide harmonic specification or the costs to meet a

for such mitigation.

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

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Performance curves are for reference only.

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

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MANCHESTER

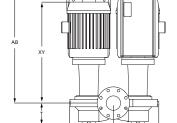
+44 (0) 8444 145 145

BANGALORE

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SHANGHAI

+86 21 3756 6696



DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	184TC	184TC
Size:	3×3×10	3×3×10
HP:	5	5
RPM:	1450	1450
AB:	29.23(742)	35.26(896)
B1:	11.42(290)	11.42(290)
B2:	11.42(290)	11.42(290)
C1:	18.19(462)	18.19(462)
C2:	18.28(464)	18.28(464)
D1:	11.02(280)	11.02(280)
D2:	12.01(305)	12.01(305)
E:	6.84(174)	7.50(191)
F:	15.94(405)	19.48(495)
P:	10.38(264)	9.56(243)
SD:	19.69(500)	19.69(500)
T:	6.18(157)	6.18(157)
XY:	26.54(674)	26.42(671)
Weight:	682(309.4)	738(334.8)

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

