

DESIGN ENVELOPE 4312 TWIN

SINGLE PHASE | 0408-005.0 | SUBMITTAL

Job: ______ Representative: _____

File No: 100.4868

Date: OCTOBER 27, 2014

Supersedes: NEW

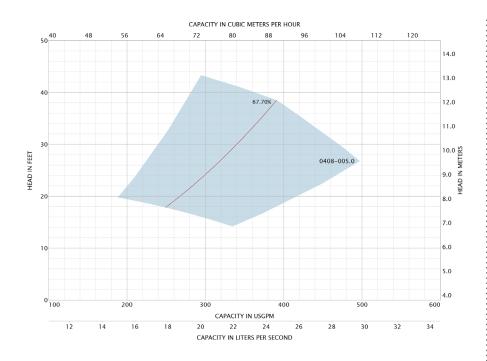
Date: NEW

	Order No:	Date:
Engineer:	Submitted by:	Date:
Contractor:	Approved by:	Date:
PUMP DESIGN DATA	CONTROLS DATA	
No. of pumps: Tag: Capacity:USgpm (L/s) Head:	:	y: Volts: 200-240VAC Freq: 50/60Hz Phase: 1
Liquid:	C	
Temperature:°F (°C) Specific gravity	/:	e d: ft (m)*
Suction: 4" (100mm) Discharge: 4"	(100mm) Protocol (standard	I): ☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
	Protocol (optiona	I): □ LonWorks®
MOTOR DESIGN DATA HP: 5 RPM: 1450 Frame size:	•	e: Indoor - UL TYPE 12 Outdoor - UL TYPE 4X with weather shield
Enclosure: Volts: 208 Freq: 60 Hz	z	☐ Outdoor - UL TYPE 4X less
Phase: 3 Efficiency: NEMA premium	n Disconnect switc	weather shield h: □ Non-fused
	Duty/standb	у
MAXIMUM PUMP OPERATING CONDIT	pre-wired bridg	
ANSI 125	EMI/RFI contro	bl: 1-phase IVS102 units do not meet the EN61800-3 directive
175 psig at 150°F (12 bars at 65°C) 140 psig at 250°F (10 bars at 121°C)	Harmonic suppressio	n: Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
• Tolerance of ±0.125" (±3 mm) should be used	Coolin	g: Fan-cooled through back channel
 For exact installation, data please write factor certified dimensions 		e: -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
	Analog 1/	o: Two current or voltage inputs, one current output
MECHANICAL SEAL DESIGN DATA	Digital 1/	o: Six programmable inputs (two can be configured as outputs)
See file no. 43.50 for standard mechanical seal	details as Pulse input	s: Two programmable
indicated below	Relay output	s: Two programmable
Armstrong seal reference number	Communication por	t: 1-RS485, 1-USB
□ A1 (c) □ Others:	**The IVS 102 drive is a low harmonic d	sure is not known: Default to 40% of design head rive via built-in DC line reactors. This does not n 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.

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

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DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	184TC	184TC
Size:	4×4×8	4×4×8
HP:	5	5
RPM:	1450	1450
AB:	29.38(746)	35.41(899)
B1:	11.42(290)	11.42(290)
B2:	11.42(290)	11.42(290)
C1:	18.85(479)	18.85(479)
C2:	18.94(481)	18.94(481)
D1:	11.18(284)	11.18(284)
D2:	11.18(284)	11.18(284)
E:	6.84(174)	7.50(191)
F:	15.94(405)	19.50(495)
P:	10.38(264)	9.56(243)
SD:	20.00(508)	20.00(508)
T:	7.99(203)	7.99(203)
XY:	26.69(678)	26.57(675)
Weight:		

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

