

DESIGN ENVELOPE 4312 TWIN

SINGLE PHASE | 0310-003.0 | SUBMITTAL

Job: _____ Representative: ____

File No: 100.4874

Date: OCTOBER 27, 2014

Supersedes: NEW

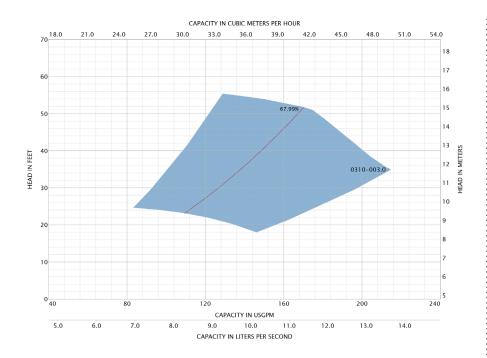
Date: NEW

	Order No:	Date:
Engineer:	Submitted by:	Date:
Contractor:	Approved by:	Date:
PUMP DESIGN DATA	CONTROLS DATA	
No. of pumps: Tag:	Power supp	oly: Volts: 200-240VAC
Capacity:USgpm (L/s) Head:	ft (m)	Freq: 50/60Hz Phase: 1
Liquid: Viscosity:	Sensorless contr	
Temperature:°F (°C) Specific gravity:	: Minimum system pressu	re ed: ft (m)*
Suction: 3" (75mm) Discharge: 3" (,	ed:
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Fiotocoi (stanuai	☐ Johnson® N2 ☐ Siemens® FLN
	Protocol (option	al): LonWorks®
MOTOR DESIGN DATA	•	re: ☐ Indoor - UL TYPE 12
нр: 3		☐ Outdoor – UL TYPE 4X with
Enclosure: Volts: 208 Freq: 60 Hz	:	weather shield
	:	☐ Outdoor – UL TYPE 4X less weather shield
Phase: 3 Efficiency: NEMA premium	Disconnect swit	ch: ☐ Non-fused
	Duty/stand	by
	pre-wired brid	ge: 🗆
MAXIMUM PUMP OPERATING CONDIT	IONS EMI/RFI conti	rol: 1-phase IVS102 units do not meet the
ANSI 125		EN61800-3 directive
175 psig at 150°F (12 bars at 65°C)	: Harmonic suppressi	on: Dual DC-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE
140 psig at 250°F (10 bars at 121°C)		519-1992 requirements**
- Talawaya af 10 405" (10 yawa) ah ayild ba yaad	Cooli	ng: Fan-cooled through back channel
 Tolerance of ±0.125" (±3 mm) should be used For exact installation, data please write factory certified dimensions 	y for Ambient temperatu	ire: -10°C to +45°C up to 1000 meters abor sea level (-14°F to +113°F, 3300 ft)
	Analog ı	/o: Two current or voltage inputs, one current output
MECHANICAL SEAL DESIGN DATA	Digital ı	/o: Six programmable inputs (two can be configured as outputs)
See file no. 43.50 for standard mechanical seal of	details as Pulse inpu	its: Two programmable
indicated below		ıts: Two programmable
Armstrong seal reference number	Communication po	ort: 1-RS485, 1-USB
□ A1 (c) □ Others:	**The IVS 102 drive is a low harmonic	essure is not known: Default to 40% of design head drive via built-in DC line reactors. This does not

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

2



Performance curves are for reference only.

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

INDOOR F D2

TORONTO

+416 755 2291

BUFFALO

+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



ESTABLISHED 1934

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	182TC	182TC
Size:	3×3×10	3×3×10
HP:	3	3
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:	640(290.3)	720(326.6)

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

