

DESIGN ENVELOPE 4312 TWIN

SINGLE PHASE | 0208-001.0 | SUBMITTAL

Job: _____ Representative: ____

File No: 100.4852

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	: Concorloss con	itrol: Standard
Temperature:°F(°C) Specific g	Minimum system press	
Suction: 2" (50mm) Discharge	to be maintai	ined: ft (m)*
Juction: 2 (Somm) Discharge	Protocol (standa	ard): ☐ Modbus RTU ☐ BACnet™ Ms/TP
	Ductocal (oution	☐ Johnson® N2 ☐ Siemens® FLN
MOTOR DESIGN DATA	•	nal): □ LonWorks® sure: □ Indoor - UL TYPE 12
	:	☐ Outdoor - UL TYPE 12
нр: 1		weather shield
Enclosure: Volts: 208 Freq:	60 Hz	☐ Outdoor – UL TYPE 4X less
Phase: 3 Efficiency: NEMA pre	emium Disconnect sw	weather shield itch: □ Non-fused
	Duty/stan	
	pre-wired bri	
MAXIMUM PUMP OPERATING CO	NDITIONS	ntrol: 1-phase IVS102 units do not meet the
ANSI 125	<u> </u>	EN61800-3 directive
175 psig at 150°F (12 bars at 65°C)	Harmonic suppres	sion: Dual Dc-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	useu .	lling: Fan-cooled through back channel
 For exact installation, data please write certified dimensions 	factory for Ambient tempera	ture: -10°c to +45°c up to 1000 meters abov sea level (-14°F to +113°F, 3300 ft)
	Analog	one current or voltage inputs,
MECHANICAL SEAL DESIGN DATA	Digita	li/o: Six programmable inputs (two can be configured as outputs)
See file no. 43.50 for standard mechanica	I seal 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	oressure is not known: Default to 40% of design head ic drive via built-in DC 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

Performance curves are for reference only.

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

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ARMSTRONG FLUID TECHNOLOGY ESTABLISHED 1934

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC
Frame size:	145TC	145TC
Size:	2×2×8	2×2×8
HP:	1.0	1.0
RPM:	1450	1450
AB:	23.93(608)	29.96(761)
B1:	8.19(208)	8.19(208)
B2:	8.66(220)	8.66(220)
C1:	13.91(353)	13.91(353)
C2:	14.38(365)	14.38(365)
D1:	8.27(210)	8.27(210)
D2:	9.06(230)	9.06(230)
E:	4.13(105)	6.09(155)
F:	12.58(319)	18.50(470)
P:	8.63(219)	7.28(185)
SD:	15.75(400)	15.75(400)
T:	5.12(130)	5.12(130)
XY:	22.04(560)	20.54(522)
Weight:	441(200.0)	_

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



