

DESIGN ENVELOPE 4312 TWIN | 0608-003.0 | SUBMITTAL

File No: 100.4786

Date: JANUARY 14, 2016

Supersedes: NEW

Date: NEW

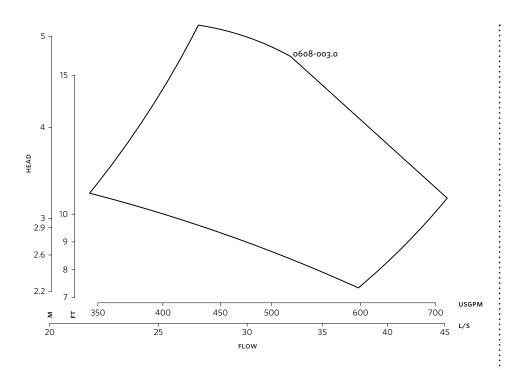
Job:		Representative:	
		Order No:	Date:
			Date:
Contractor: Ap			
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	_ Sensorless Control:	Standard
Capacity:USgpm (L/s) Liquid:		to be maintained	ft (m)*
Temperature:°F (°C)	Specific gravity:	Don't and Catanidan IV.	☐ Modbus RTU ☐ BACnet TM MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 6" (150mm)		Protocol (optional):	□ LonWorks®
OSHPD Seismic Certification OSP-0422-10 UL STD 778 & CSA STD C22.2 NO.108 certified		Enclosure:	☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4X with
			Weather Shield ☐ Outdoor - UL TYPE 4X less Weather Shield
MOTOR DESIGN DATA		Fused disconnect switch:	
HP: RPM: Frame si	ze: Enclosure:	- Duty/standby	
Volts: Hertz: 6	60 Hz Phase: 3	pre-wired bridge:	
Efficiency: NEMA premium 12.1	2	EMI/RFI control:	Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERA	TING CONDITIONS	Harmonic suppression:	Dual DC-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
ANSI 125		Cooling:	Fan-cooled through back channel
175 psig at 150°F (12 bars at 65°C) 140 psig at 250°F (10 bars at 121°C)		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
• Tolerance of ±0.125" (±3 mm) should be used		Analog ı/o:	Two current or voltage inputs, one current output
For exact installation, data please write factory for certified dimensions		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
MECHANICAL SEAL DESIGN DATA		Communication port:	1-RS485, 1-USB
See file no. 43.50 for standard mechanical seal details as indicated below		*If minimum maintained system pres	sure is not known: Default to 40% of design head drive via built-in pc line reactors. This does not
Armstrong seal reference number		I	m wide harmonic specification or the costs to meet

☐ c1 (a)

☐ Others: _

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 guaranty performance to any system wide harmonic specification or the costs to mee 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 mitigation and the costs for such mitigation.

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Performance curves are for reference only.

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

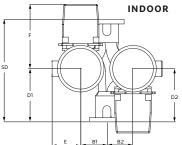
ARMSTRONG FLUID TECHNOLOGY

ESTABLISHED 1934

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	213TC	215TC
Size:	6×6×8	6×6×8
HP:	3	3
RPM:	1800	1800
AB:	32.32(821)	32.32(821)
В1:	11.81(300)	11.81(300)
B2:	11.81(300)	11.81(300)
C1:	20.37(517)	20.37(517)
C2:	20.90(531)	20.90(531)
D1:	12.60(320)	12.60(320)
D2:	17.32(440)	17.32(440)
E:	8.25(210)	8.25(210)
F:	16.69(424)	16.69(424)
P:	11.25(286)	11.25(286)
SD:	27.56(700)	27.56(700)
T:	8.78(223)	8.78(223)
XY:	29.75(756)	29.75(756)
Weight:	734(332.9)	771(349.6)

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



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