

DESIGN ENVELOPE 4312 TWIN | 0306-001.0 | SUBMITTAL

File No: 100.4714

Date: JANUARY 14, 2016

Supersedes: 100.4714

Date: AUGUST 14, 2015

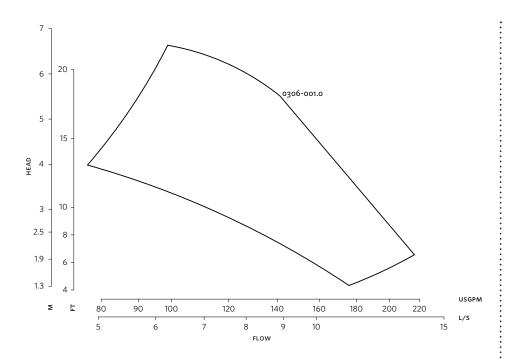
Job:		Representative:		
		Order No:	Date:	
Engineer: Su Contractor: Ap		Submitted by:	Date:	
		Approved by:	Date:	
PUMP DESIGN DATA		CONTROLS DATA		
No. of pumps:	Гад:	: Sensorless Control:	Standard	
Capacity:USgpm (L/s) H	Head:ft (m) Minimum system pressure	ft (m)*	
Temperature:°F (°C)	Specific gravity:	5 (1/) 1 ()	☐ Modbus RTU ☐ BACnet [™] MS/TP☐ Johnson® N2 ☐ Siemens® FLN	
Suction: 3" (75mm) [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	
MOTOR DESIGN DATA		Fused disconnect switch:	Weather Shield ☐ Outdoor - UL TYPE 4X less Weather Shield	
HP: RPM: Frame size	e: Enclosure:			
Volts: Hertz: 60	Hz Phase: 3	pre-wired bridge:		
Efficiency: NEMA premium 12.12		ЕМІ/RFI control:	Integrated filter designed to meet EN61800-3	
MAXIMUM PUMP OPERAT	ING CONDITIONS	Harmonic suppression:	Dual pc-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 For exact installation, data please write factory for certified dimensions 		Analog ı/o:	Two current or voltage inputs, one current output	
		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		•	sure is not known: Default to 40% of design head drive via built-in ɒc line reactors. This does not	
Armstrong seal reference number			guaranty performance to any system 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.

2



Performance curves are for reference only.

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

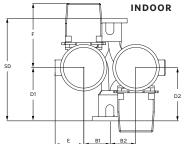
ARMSTRONG FLUID TECHNOLOGY

ESTABLISHED 1934

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	143TC	143TC
Size:	3×3×6	3×3×6
HP:	1	1
RPM:	1800	1800
AB:	24.00(610)	29.96(761)
B1:	8.86(225)	8.86(225)
B2:	8.86(225)	8.86(225)
C1:	14.27(362)	14.27(362)
C2:	14.26(362)	14.26(362)
D1:	7.09(180)	7.09(180)
D2:	8.66(220)	8.66(220)
E:	4.13(105)	6.09(155)
F:	12.58(319)	18.50(470)
P:	8.63(219)	7.28(185)
SD:	14.96(380)	14.96(380)
T:	5.91(150)	5.91(150)
XY:	22.03(560)	20.53(521)
Weight:	426(193.2)	440(199.6)

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



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MANCHESTER

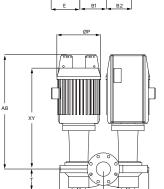
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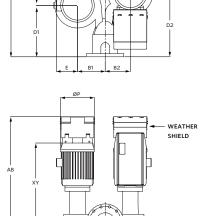
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OUTDOOR

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