

DESIGN ENVELOPE 4312 TWIN | 0608-015.0 | SUBMITTAL

File No: 100.4790

Date: JANUARY 14, 2016

Supersedes: 100.4790

Date: AUGUST 14, 2015

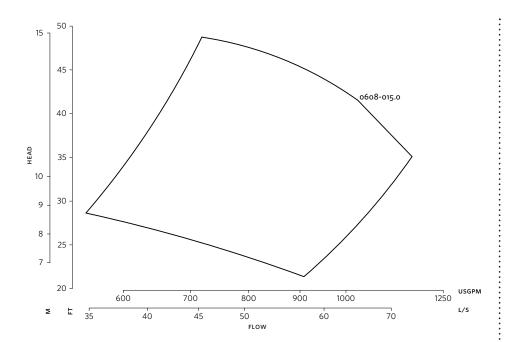
Job:		Representative:		
		Order No:	Date:	
Engineer: Su Contractor: Ap		Submitted by:	Date:	
		Approved by:	Date:	
PUMP DESIGN DATA		CONTROLS DATA		
No. of pumps: Tag:		Sensorless Control:	Standard	
Capacity:USgpm (L/s) Hea	d:ft (m	Minimum system pressure	ft (m)*	
Temperature:oF(oC) Spec	cific gravity:	B (14 (1 1)	☐ Modbus RTU ☐ BACnet TM MS/TP☐ Johnson® N2 ☐ Siemens® FLN	
Suction: 6" (150mm) Disc		Protocol (optional):	\square LonWorks $^{\circledR}$	
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:	Enclosure:	- Duty/standby		
Volts: Hertz: 60 Hz	Phase: 3	pre-wired bridge:		
Efficiency: NEMA premium 12.12		EMI/RFI control:	Integrated filter designed to meet EN61800-3	
MAXIMUM PUMP OPERATING	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 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 pc 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.

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Performance curves are for reference only.

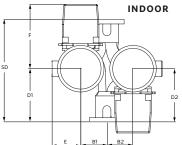
 $Confirm\ current\ performance\ data\ with\ Armstrong\ ACE\ Online\ selection\ software.$

ESTABLISHED 1934

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC
Frame size:	254TC	254TC
Size:	6×6×8	6×6×8
HP:	15	15
RPM: 1800		1800
AB:	32.21(818)	37.99(965)
B1:	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:	9.94(252)	8.90(226)
F:	17.84(453)	21.44(545)
P:	13.38(340)	13.38(340)
SD:	27.56(700)	27.56(700)
T:	8.78(223)	8.78(223)
XY:	34.62(879)	34.69(881)
Weight:	1206(547.0)	1274(577.9)

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



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MANCHESTER

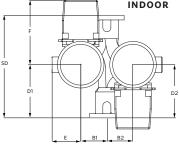
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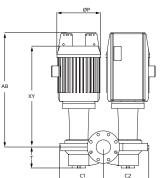
BANGALORE

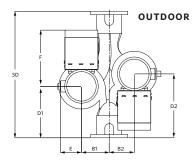
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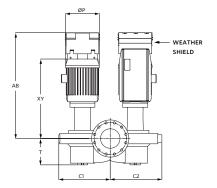
SHANGHAI

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