

DESIGN ENVELOPE 4302 DUALARM | 0406-001.5 | **SUBMITTAL**

File No: 100.4414

Date: OCTOBER 30, 2015

Supersedes: 100.4414

Date: AUGUST 14, 2015

Job:	Representative:	_	
	Order No:	Date:	
Engineer:	Submitted by:	Date:	
Contractor:	Approved by:	Date:	
PUMP DESIGN DATA	CONTROLS DATA		
No. of pumps: Tag:	Sensorless Control	: Standard	
Capacity:USgpm (L/s) Head:ft Liquid:Viscosity:	to be maintained	:ft (m)*	
Temperature:°F (°C) Specific gravity:	Protocol (standard)	: ☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN	
Suction: 4" (100mm) Discharge: 4" (100mm oshPD Seismic Certification osp-0422-10	Protocol (optional)	: □ LonWorks®	
UL STD 778 & CSA STD C22.2 NO.108 certified	Enclosure	: ☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4X with Weather Shield	
MOTOR DESIGN DATA		□ Outdoor - UL TYPE 4X less Weather Shield	
нр: RPM: Frame size: Enclosure:	Fused disconnect switch	: □	
Volts: Hertz: 60 Hz Phase: 3	Duty/standby pre-wired bridge		
Efficiency: NEMA premium 12.12	EMI/RFI control	: Integrated filter designed to meet EN61800-3	
MAXIMUM PUMP OPERATING CONDITIONS ANSI 125	Harmonic suppression	Dual DC-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements**	
175 psig at 150°F (12 bars at 65°C)	Cooling	: Fan-cooled through back channel	
140 psig at 250°F (10 bars at 121°C)	:	: -10°C to +45°C up to 1000 meters above	
ANSI 250	Ambient temperature	sea level (-14°F to +113°F, 3300 ft)	
250 psig at 150°F (17 bars at 65°C) 250 psig at 250°F (17 bars at 121°C)	Analog ı/o	 Two current or voltage inputs, one current output 	
• Tolerance of ±0.125" (±3 mm) should be used	Digital 1/0	: Six programmable inputs (two can be configured as outputs)	
 For exact installation, data please write factory for certified dimensions 	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 Armstrong seal reference number	**The IVS 102 drive is a low harmonic guaranty performance to any syst a system wide specification. If sup	*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 meet 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	

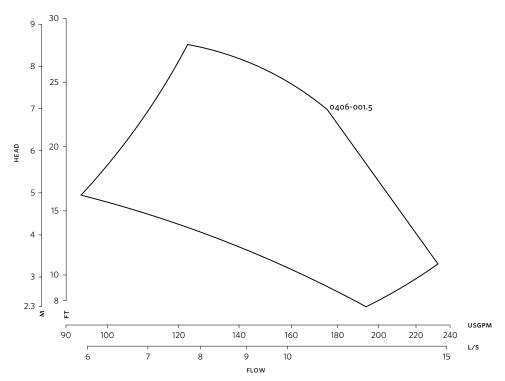
levels are exceeded Armstrong can also recommend additional harmonic mitigation

and the costs for such mitigation.

 \square Others: _

☐ c1 (a)

2



 $\label{performance curves} \mbox{ Performance curves are for reference only.}$

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

ARMSTRONG FLUID TECHNOLOGY

ESTABLISHED 1934

DIMENSION DATA

	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	145	145
Size:	4×4×6	4×4×6
HP:	1.5	1.5
RPM:	1800	1800
AB:	24.92(633)	30.88(784)
B1:	6.81(173)	6.81(173)
B2:	6.81(173)	6.81(173)
C1:	12.14(308)	12.14(308)
C2:	12.63(321)	12.63(321)
D1:	13.84(352)	13.84(352)
D2:	13.84(352)	13.84(352)
E:	4.13(105)	6.09(155)
P:	8.63(219)	7.28(185)
F:	12.65(321)	18.50(470)
SD:	26.63(676)	26.63(676)
T:	5.80(147)	5.80(147)
XY:	22.03(560)	20.53(521)
Weight:	468(212.3)	484(219.5)

OUTDOOR

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

TORONTO

+1 416 755 2291

BUFFALO

+1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

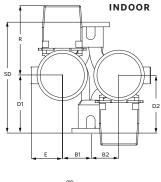
+44 (0) 8444 145 145

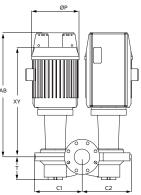
BANGALORE

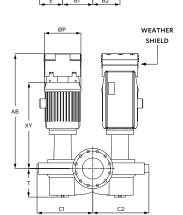
+91 (0) 80 4906 3555

SHANGHAI

+86 21 3756 6696







ARMSTRONGFLUIDTECHNOLOGY.COM