

# DESIGN ENVELOPE 4382 DUALARM | 0408-002.0 | SUBMITTAL

File No: 100.4634

Date: OCTOBER 30, 2015

Supersedes: 100.46272

Date: AUGUST 14, 2015

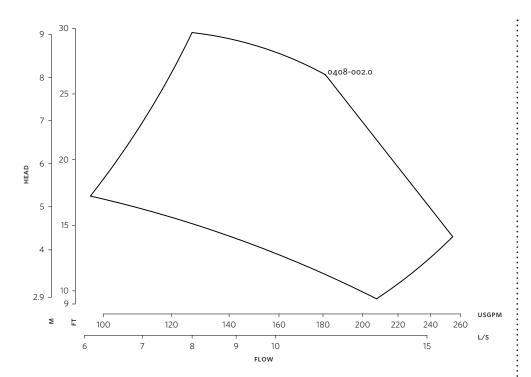
Job:			Repre	sentative:			
			Order	No:	Date:		
Engineer: Sub			Submi	itted by:	Date:		
Contractor: Appr			Appro	oved by:	Date:		
PUMP DESIGN DA	АТА			CONTROLS DATA			
No. of pumps:		Tag:		: Sensorless Control:	Standard		
Capacity:	_USgpm (L/s)	Head:	ft (m)	Minimum system pressure to be maintained:	ft (m)*		
Liquid: Temperature:				Protocol (standard):	☐ Modbus rtu ☐ Bacnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN		
Suction: 4" (100mm)				Protocol (optional):	$\square$ LonWorks $^{ ext{ iny 8}}$		
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:			
HP: RPM:	_ Frame size: _	Enclos	ure:	Duty/standby			
Volts:	_ Hertz: 60 Hz	z Phase:	3	pre-wired bridge:			
Efficiency: NEMA pre	mium 12.12			<b>EMI/RFI control:</b> Integrated filter designed to meet EN61800-3			
MAXIMUM PUMP OPERATING CONDITIONS				Harmonic suppression:	Dual pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**		
ANSI 125	ars at 65°C)			Cooling:	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)		
ANSI 250				Analog ı/o:	Two current or voltage inputs,		
250 psig at 150°F (17 bars at 65°C)				Distribution	one current output		
250 psig at 250°F (17 bars at 121°C)					Six programmable inputs (two can be configured as outputs)		
<ul> <li>Tolerance of ±0.125" (±3 mm) should be used</li> <li>For exact installation, data please write factory for certified dimensions</li> </ul>				•	Two programmable		
				•	Two programmable		
				Communication port:			
MECHANICAL SE	AL DATA			**The IVS 102 drive is a low harmonic o	rure is not known: Default to 40% of design head frive via built-in pc line reactors. This does not		
Seal Type: 2A	Stationa	ary Seat: Silicon o	carbide	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			
Secondary Seal: EPDM Rotating Hardware: Stainless steel				will run a computer simulation of the system wide harmonics. If system harmonic levels are exceeded Armstrong can also recommend additional harmonic mitigation			

FLUID TYPE	ALL GLYCOLS > 30% WT CONC		ALL OTHER NON-POTABLE FLUIDS		POTABLE (DRINKING) WATER	
Temperature	up to 200°F / 93°C	over 200°F / 93°C	up to 200°F / 93°C	over 200°F / 93°C	up to 200°F / 93°C	over 200°F / 93°C
Rotating Face	Silicon carbide		Resin bonded carbon	Antimony loaded carbon	Resin bonded carbon	
Seat Elastomer	EPDM (L-cup)	EPDM (o-ring)	EPDM (L-cup)	EPDM (0-ring)	EPDM (L-cup)	EPDM (o-ring)
Material Code	SCsc L EPSS 2A	SCsc o epss 2A	C-SC L EPSS 2A	ACsc o epss 2A	C-SC L EPSS 2A	C-SC O EPSS 2A

and the costs for such mitigation.

Spring: Stainless steel

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Performance curves are for reference only.

 $\label{thm:confirm} \text{Confirm current performance data with Armstrong ACE Online selection software.}$ 

ARMSTRONG FLUID TECHNOLOGY

ESTABLISHED 1934

#### **DIMENSION DATA**

	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	145	145
Size:	4×4×8	4×4×8
HP:	2	2
RPM:	1500	1500
AB:	22.15(563)	22.15(563)
B1:	8.75(222)	8.75(222)
B2:	8.75(222)	8.75(222)
C1:	15.09(383)	15.09(383)
C2:	15.63(397)	15.63(397)
D1:	14.84(377)	14.84(377)
D2:	14.84(377)	14.84(377)
E:	6.12(156)	6.12(156)
F:	12.65(321)	12.65(321)
P:	8.63(219)	7.83(199)
SD:	27.63(702)	27.63(702)
T:	6.28(160)	6.28(160)
XY:	17.26(438)	17.01(432)
Weight:	512(232.2)	520(235.9)

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

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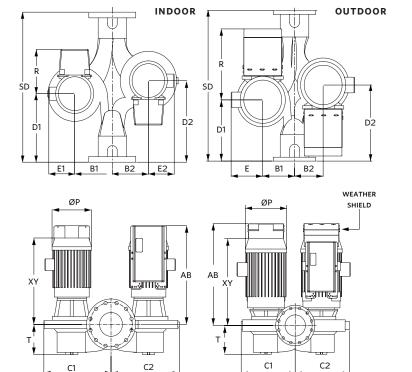
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