

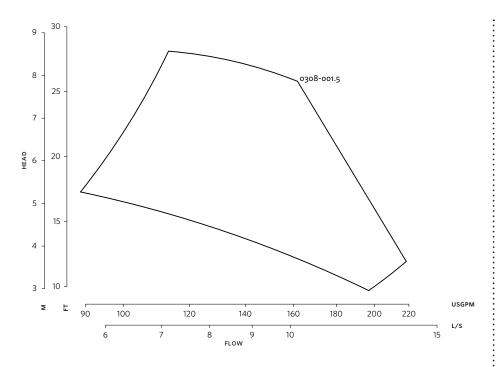
DESIGN ENVELOPE 4392 TWIN | 0308-001.5 | SUBMITTAL

File No: 100.4930 Date: OCTOBER 30, 2015 Supersedes: NEW Date: NEW

Job:		Representative:			
		Order No:	Date:		
Engineer: Contractor:		Submitted by:	Date:		
		Approved by:	Date:		
PUMP DESIGN DATA		CONTROLS DATA			
No. of pumps:	Tao:	Sensorless control:	Standard		
Capacity:USgpm (L	/s) Head:ft (m)	Minimum system pressure to be maintained:	ft (m)*		
Liquid:°F (Protocol (Stanuaru):	□ Modbus RTU □ BACnet [™] MS/TP □ Johnson [®] N2 □ Siemens [®] FLN		
Suction: 3" (75mm)	Discharge: 3" (75mm)	Protocol (optional):	\Box LonWorks [®]		
OSHPD Seismic Certification UL STD 778 & CSA STD C22.		Enclosure:	□ Indoor - UL TYPE 12 □ Outdoor - UL TYPE 4X with weather shield □ Outdoor - UL TYPE 4X less weather shield		
MOTOR DESIGN DATA	1	Fused disconnect switch:			
	-	Duty/standby pre-wired bridge:			
hp: rpm:Frame siz Volts: Hertz:			Integrated filter designed to meet		
Efficiency: NEMA premium 12	2.12	Harmonic suppression:	Dual Dc-link reactors (equivalent: 5% Ac line reactor) supporting IEEE 519-1992 requirements**		
MAXIMUM PUMP OPE	RATING CONDITIONS	Cooling:	Fan-cooled through back channel		
ANSI 125	-0.0	Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)		
175 psig at 150°F (12 bars at 6 140 psig at 250°F (10 bars at 1		Analog ı/o:	Two current or voltage inputs, one current output		
 Tolerance of ±0.125" (±3 mm) should be used 		Digital ı⁄o:	Six programmable inputs (two can be configured as outputs)		
• For exact installation, data	please write factory for	Pulse inputs:	Two programmable		
certified dimensions		•	Two programmable		
		Communication port:			
MECHANICAL SEAL DATA		**The IVS 102 drive is a low harmonic of	 *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 		
Seal type: 2A St	ationary seat: Silicon carbide	a system wide specification. If suppl	a system wide specification. If supplied with the system electrical details, Armstrong		
	otating 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		
Spring: Stainless steel		and the costs for such mitigation.	· · ·		

FLUID TYPE	ALL GLYCOLS >	30% WT CONC	ALL OTHER NO	N-POTABLE FLUIDS	POTABLE (DRIN	IKING) 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)	ердм (o-ring)	EPDM (L-CUP)	ердм (o-ring)
Material code	SCsc l epss 2A	SCsc 0 epss 2a	C-sc l epss 2A	ACsc 0 epss 2a	C-SC L EPSS 2A	C-sc o epss 2A

and the costs for such mitigation.



Performance curves are for reference only. Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	182	184
Size:	3×3×8	3×3×8
HP:	1.5	1.5
RPM:	1800	1800
AB:	21.87(555)	21.87(555)
B1:	9.84(250)	9.84(250)
B2:	9.84(250)	9.84(250)
C1:	16.22(412)	16.22(412)
C2:	16.24(412)	16.24(412)
D1:	7.87(200)	7.87(200)
D2:	9.05(230)	9.05(230)
E:	7.50(191)	7.50(191)
F:	13.66(347)	13.66(347)
P:	9.50(241)	9.50(241)
SD:	15.75(400)	15.75(400)
т:	6.22(158)	6.22(158)
XY:	20.01(508)	20.01(508)
Weight:	382(173.3)	401(181.9)

Dimensions - inch (mm)

Weight – Ibs (kg)

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+1 416 755 2291

BUFFALO +1 716 693 8813

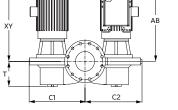
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MANCHESTER +44 (0) 8444 145 145

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INDOOR

E2

ARMSTRONGFLUIDTECHNOLOGY.COM

D2

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SD

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E1 B1 B2

