

DESIGN ENVELOPE 4392 TWIN

Seal type: 2A

Stationary seat: Silicone carbide

Rotating hardware: Stainless steel

Secondary seal: EPDM

Spring: Stainless steel

SINGLE PHASE | 0408-005.0 | SUBMITTAL

File No: 100.4989

Date: OCTOBER 27, 2014

Supersedes: NEW

Date: NEW

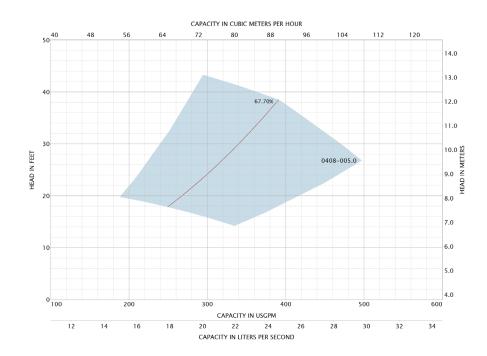
Job:		Representative:				
		Order No:	Date:			
Engineer:		Submitted by:	Date:			
		Approved by:	Date:			
PUMP DESIGN DATA		CONTROLS DATA				
No. of pumps:	Tag:	Power supply: \	Volts: 200-240VAC			
Capacity:USgpm (L/s)	Head:ft (m)	' I	Freq: 50/60Hz Phase: 1			
Liquid:	Viscosity:	Sensorless control:	Standard			
Temperature:°F (°C)		Minimum system pressure	ft (m)*			
Suction: 4" (100mm)	Discharge: 4" (100mm)	Protocol (standard):	☐ Modbus RTU ☐ BACnet™ Ms/TP☐ Johnson® N2 ☐ Siemens® FLN			
		Protocol (optional):	\square LonWorks $^{\circledR}$			
MOTOR DESIGN DATA		Enclosure:	Enclosure: ☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4X with Weather Shield			
HP: 5 RPM: 1450	Frame size:	_	☐ Outdoor - UL TYPE 4X less			
Enclosure: Volts: 208	Freq: 60 Hz	<u>.</u>	Weather Shield			
Phase: 3 Efficiency: NEMA premium 12.12		: Disconnect switch: Duty/standby	Disconnect switch: ☐ Non-fused			
		pre-wired bridge:				
		ЕМІ/RFI control:	1-phase IVS102 units do not meet the			
MAXIMUM PUMP OPERA	ATING CONDITIONS		EN61800-3 directive			
ANSI 125 175 psig at 150°F (12 bars at 65°C)		Harmonic suppression:	Dual pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**			
140 psig at 250°F (10 bars at 121°C		Cooling:	Fan-cooled through back channel			
• Tolerance of ±0.125" (±3 mm) s		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)			
 For exact installation, data pleatertified 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			
MECHANICAL SEAL DAT	A	: Relay outputs:	Two programmable			

*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.

Communication port: 1-RS485, 1-USB

FLUID TYPE	ALL GLYCOLS >	30% WT CONC	ALL OTHER NO	N-POTABLE FLUIDS	POTABLE (DRII	NKING) 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	Silicone	carbide	Resin bonded carbon	Antimony loaded carbon	Resin bond	led carbon
Seat elastomer	EPDM (L-cup)	EPDM (0-ring)	EPDM (L-cup)	EPDM (0-ring)	EPDM (L-cup)	EPDM (0-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



Performance curves are for reference only.

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

DIMENSION DATA

	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	184	184
Size:	4×4×8	4×4×8
HP:	5	5
RPM:	1450	1450
AB:	23.43(595)	29.46(748)
B1:	11.42(290)	11.42(290)
B2:	11.42(290)	11.42(290)
C1:	18.85(479)	18.85(479)
C2:	18.94(481)	18.94(481)
D1:	11.18(284)	11.18(284)
D2:	11.18(284)	11.18(284)
E:	7.50(191)	7.50(191)
F:	16.02(407)	19.50(495)
P:	10.38(264)	9.50(241)
SD:	20.00(508)	20.00(508)
T:	7.99(203)	7.99(203)
XY:	19.41(493)	20.16(512)
Weight:	662(300.3)	718(325.7)

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

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