

DESIGN ENVELOPE 4392 TWIN

Seal type: 2A

Stationary seat: Silicone carbide

Rotating hardware: Stainless steel

Secondary seal: EPDM

Spring: Stainless steel

SINGLE PHASE | 0208-007.5 | SUBMITTAL

File No: 100.4985

Date: OCTOBER 27, 2014

Supersedes: NEW

Date: NEW

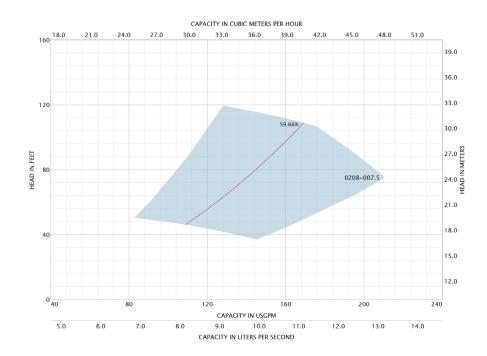
Job:		Representative:	
		Order No:	Date:
Engineer:		Submitted by:	Date:
Contractor:		Approved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Гад:	Power supply: \	Volts: 200-240VAC
Capacity:USgpm (L/s)		: Consorloss control	Freq: 50/60Hz Phase: 1
Liquid: °F (°C) S		: Minimum system pressure	ft (m)*
Suction: 2" (50mm)	Discharge: 2" (50mm)	Protocol (standard):	☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
		Protocol (optional):	\square LonWorks $^{\circledR}$
MOTOR DESIGN DATA		Enclosure:	☐ Indoor - UL TYPE 12 ☐ Outdoor - UL TYPE 4x with Weather Shield
нр: 7.5 грм: 2900	Frame size:	_ :	☐ Outdoor - UL TYPE 4X less
Enclosure: Volts: 208	·	: Disconnect switch:	Weather Shield ☐ Non-fused
Phase: 3 Efficiency: N	IEMA premium 12.12	Duty/standby pre-wired bridge:	
MANUM DUMD ODEDA	TING CONDITIONS		1-phase IVS102 units do not meet the EN61800-3 directive
MAXIMUM PUMP OPERATING CONDITIONS ANSI 125 175 psig at 150° F (12 bars at 65° c)		Harmonic suppression:	Dual Dc-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
• Tolorance of +0.125" (+2 mm) sh	aculd be used	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
co. amod difficultions		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
		Pulse inputs:	Two programmable
MECHANICAL SEAL DATA		Relay outputs:	Two programmable

Communication port: 1-RS485, 1-USB

^{*}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.

FLUID TYPE 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 Resin bonded carbon Silicone carbide Resin bonded carbon Antimony loaded carbon Seat elastomer EPDM (L-cup) EPDM (o-ring) EPDM (L-cup) EPDM (o-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



Performance curves are for reference only.

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

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	184	213
Size:	2×2×8	2×2×8
HP:	3	3
RPM:	2900	2900
AB:	22.59(574)	33.22(844)
B1:	8.19(208)	8.19(208)
B2:	8.66(220)	8.66(220)
C1:	13.91(353)	13.91(353)
C2:	14.38(365)	14.38(365)
D1:	8.27(210)	8.27(210)
D2:	9.06(230)	9.06(230)
E:	7.50(191)	8.25(210)
F:	16.02(407)	20.25(514)
P:	10.38(264)	11.25(286)
SD:	15.75(400)	15.75(400)
T:	5.12(130)	5.12(130)
XY:	19.27(489)	26.62(676)
Weight:	525(238.1)	655(297.1)

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

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