

DESIGN ENVELOPE 4392 TWIN

MECHANICAL SEAL DATA

Stationary seat: Silicone carbide

Rotating hardware: Stainless steel

Secondary seal: EPDM

Spring: Stainless steel

Seal type: 2A

SINGLE PHASE | 0306-005.0 | SUBMITTAL

File No: 100.4973

Date: OCTOBER 27, 2014

Supersedes: NEW

Date: NEW

Job:	Representative:	epresentative:			
	Order No:	Date:			
Engineer:	Submitted by:	Date:			
Contractor:	Approved by:	Date:			
PUMP DESIGN DATA	CONTROLS DATA				
No. of pumps: Tag:	Power supply: Vol	ts: 200-240VAC			
Capacity:USgpm (L/s) Head:	I ((()) ·	q: 50/60Hz Phase: 1			
Liquid: Viscosity:	Sensorless control: Sta	ndard			
Temperature:°F (°C) Specific gravity: _	: Minimum system pressure	ft (m)*			
Suction: 3" (75mm) Discharge: 3" (75mm)		Modbus RTU ☐ BACnet TM MS/TP Johnson [®] N2 ☐ Siemens [®] FLN			
	Protocol (optional): \Box	LonWorks®			
MOTOR DESIGN DATA		Indoor – UL TYPE 12 Outdoor – UL TYPE 4X with Weather Shield			
нр: 5		Outdoor - UL TYPE 4x less			
Enclosure: Volts: 208 Freq: 60 Hz	Disconnect switch: □	Weather Shield			
Phase: 3 Efficiency: NEMA premium 12.	Duty/standby	NOIT-TUSEU			
	pre-wired bridge:				
	•	phase IVS102 units do not meet the			
MAXIMUM PUMP OPERATING CONDIT	IONS :	61800-3 directive			
ANSI 125 175 psig at 150°F (12 bars at 65°C)	AC	ual pc-link reactors (Equivalent: 5% : line reactor) Supporting IEEE 9-1992 requirements**			
140 psig at 250°F (10 bars at 121°C)	•	n-cooled through back channel			
• Tolerance of ±0.125" (±3 mm) should be used	Ambient temperature: -10 se	0°C to +45°C up to 1000 meters above a level (-14°F to +113°F, 3300 ft)			
 For exact installation, data please write factory for certified dimensions 	or Analog I/o: Tv or	vo current or voltage inputs, ne current output			
	Digital I/o: Six be	x programmable inputs (two can econfigured as outputs)			
	Pulse inputs: Tv	vo programmable			

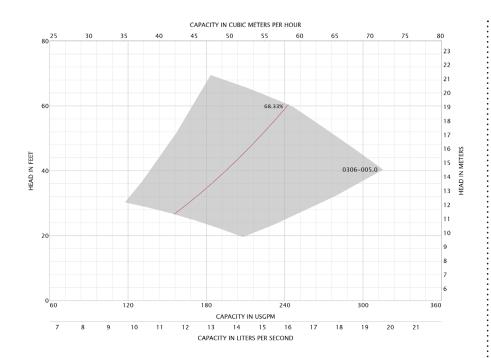
Relay outputs: Two programmable

Communication port: 1-RS485, 1-USB

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	Silicone 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 (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

^{*}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.



Performance curves are for reference only.

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

ARMSTRONG FLUID TECHNOLOGY

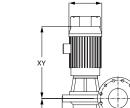
ESTABLISHED 1934

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	182	184
Size:	3×3×6	3×3×6
HP:	5	5
RPM:	2900	2900
AB:	23.27(591)	29.30(744)
B1:	8.86(225)	8.86(225)
B2:	8.86(225)	8.86(225)
C1:	14.27(362)	14.27(362)
C2:	14.27(362)	14.27(362)
D1:	7.09(180)	7.09(180)
D2:	8.66(220)	8.66(220)
E:	7.50(191)	7.50(191)
F:	16.02(407)	19.50(495)
P:	10.38(264)	9.50(241)
SD:	14.96(380)	14.96(380)
T:	5.91(150)	5.91(150)
XY:	19.25(489)	20.00(508)
Weight:	446(202.3)	-

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

□ INDOOR





+416 755 2291

BUFFALO

+716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

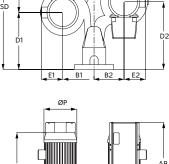
+44 (0) 8444 145 145

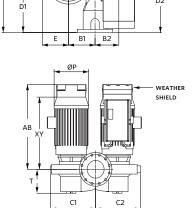
BANGALORE

+91 (0) 80 4906 3555

SHANGHAI

+86 21 3756 6696





OUTDOOR

