

DESIGN ENVELOPE 4300 VIL 0408-050.0 SUBMITTAL

Armstrong seal reference number

☐ Others: __

□ c1 (a)

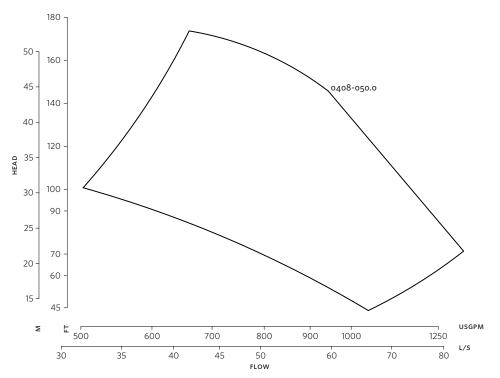
File No: 100.4072 Date: DECEMBER 17, 2015 **Supersedes:** 100.40852 **Date:** AUGUST 14, 2015

Job:	Rep	resentative:	
	Ord	ler No:	Date:
Engineer:	Sub	mitted by:	Date:
Contractor:	Арр	proved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	: Sensorless Control:	Standard
Capacity:USgpm (L/s) Liquid:	Head:ft (m)	Minimum system pressure	ft (m)*
Temperature: °F (°C)		0	☐ L1 (default) ☐ L2 ☐ L3 ☐ L4
Suction: 4" (100mm)	Discharge: 4" (100mm)		☐ Modbus rtu ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
OSHPD Seismic Certification OSP-0422-10		Protocol (optional):	☐ LonWorks®
UL STD 778 & CSA STD C22.2 NO.1 MOTOR DESIGN DATA HP: RPM: Frame size:		Enclosure:	☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4x with Weather Shield ☐ Outdoor – UL TYPE 4x less Weather Shield
Volts: Hertz: 60 H		Fused disconnect switch:	
Efficiency: NEMA premium 12.12	12 Priase. 3	емі/RFI control:	Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERATIN	IG CONDITIONS	Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
ANSI 125 175 psig at 150°F (12 bars at 65°C)		Cooling:	Fan-cooled through back channel
100 psig at 300°F (7 bars at 150°C)		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
ANSI 250 375 psig at 150°F (26 bars at 65°C)		Analog ı/o:	Two current or voltage inputs, one current output
260 psig at 300°F (21 bars at 150°C)		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
 Tolerance of ±0.125" (±3 mm) should be used For exact installation, data please write factory for certified dimensions 		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
		Communication port:	1-RS485, 1-USB
MECHANICAL SEAL DESIGN	DATA		
See file no. 43.50 for standard med indicated below	:hanical seal details as	**The IVS 102 drive is a low harmonic of	ure is not known: Default to 40% of design head Irive via built-in pc line reactors. This does not n wide harmonic specification or the costs to meet

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.

a system wide specification. If supplied with the system electrical details, $\mbox{\sc Armstrong}$

2



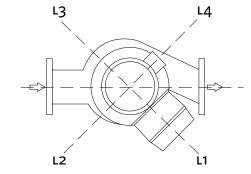
Performance curves are for reference only.

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

DIMENSION DATA

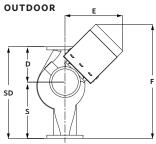
	INDOOR (UL TYPE 12/ODP)	OUTDOOR (UL TYPE 4X/TEFC)
Frame size:	364	365
Size:	4×4×8	4×4×8
HP:	50	50
RPM:	3600	3600
AB:	42.79(1087)	48.19(1224)
в:	8.00(203)	8.00(203)
c:	6.31(160)	6.31(160)
D:	11.00(279)	11.00(279)
E:	19.90(505)	24.13(613)
F:	33.90(861)	38.13(968)
P:	17.63(448)	19.03(483)
s:	14.00(356)	14.00(356)
SD:	25.00(635)	25.00(635)
T:	8.00(203)	8.00(203)
XY:	40.07(1018)	42.76(1086)
Weight:	939(425.9)	986(447.2)

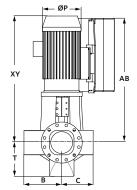
Dimensions - inch (mm) Weight - lbs (kg)

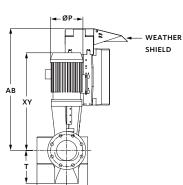


SD F

INDOOR







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