

DESIGN ENVELOPE 4300 VIL 1615L450.0 SUBMITTAL

See file no. 43.50 for standard mechanical seal details as

indicated below

□ c1 (a)

Armstrong seal reference number

☐ Others: _

File No: 100.4218

Date: DECEMBER 17, 2015

Supersedes: 100.4218

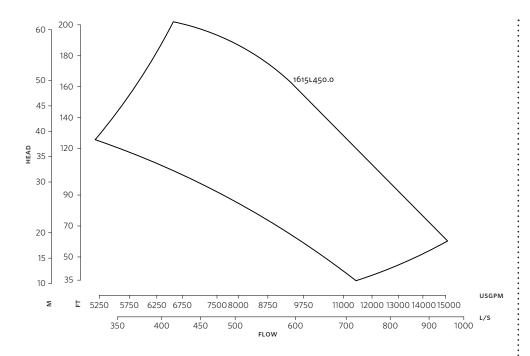
Date: AUGUST 14, 2015

Job:	Rep	presentative:	
			Date:
Engineer: Submi			
			Batte
Contractor:	Ap	proved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	Sensorless Control:	Standard
Capacity:USgpm (L/s) Liquid:		المحادث في	ft (m)*
Temperature: °F (°C)			□ L1 (default) □ L2 □ L3 □ L4
Suction: 16" (400 mm)	Discharge: 16" (400 mm)		☐ Modbus rtu ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
OSHPD Seismic Certification OSP-0422-10 UL STD 778 & CSA STD C22.2 NO.108 certified MOTOR DESIGN DATA		Protocol (optional):	□ LonWorks®
		Enclosure:	☐ Indoor – UL TYPE 12
		Fused disconnect switch:	N/A
HP: RPM: Frame size: Enclosure:		ЕМІ∕RFI control:	Integrated filter designed to meet EN61800-3
Volts: Hertz: 60 Hz Phase: 3 Efficiency: NEMA premium 12.12		Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
NOTE: Integrated pumping unit not available on 575v supply.		Cooling:	Fan-cooled through back channel
MAXIMUM PUMP OPERATING CONDITIONS		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
ANSI 125 175 psig at 150°F (12 bars at 65°C)		Analog ı/o:	Two current or voltage inputs, one current output
100 psig at 300°F (7 bars at 150°C)		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
ANSI 250 375 psig at 150°F (26 bars at 65°C)		Pulse inputs:	Two programmable
260 psig at 300°F (21 bars at 150°C)		Relay outputs:	Two programmable
 Tolerance of ±0.125" (±3 mm) should be used For exact installation, data please write factory for certified dimensions 		**The IVS 102 drive is a low harmonic of guaranty performance to any syster	sure is not known: Default to 40% of design head drive via built-in pc line reactors. This does not n wide harmonic specification or the costs to meet
MECHANICAL SEAL DESIGN	DATA	•	lied with the system electrical details, Armstrong e system wide harmonics. If system harmonic

levels are exceeded Armstrong can also recommend additional harmonic mitigation

and the costs for such mitigation.

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Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

INDOOR (UL TYPE 12/ODP)

Frame size: 500

Size: 16×16×15L

HP: 450

RPM: 1780

AB: 65.30(1659)

B: 20.30(516)

c: 15.30(389)

D: 36.00(914)

E: 25.05(636)

P: 22.44(570)

F: 25.05(636)

s: 29.00(737)

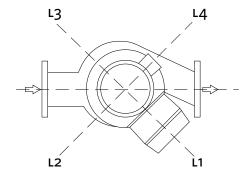
sp: 65.00(1651)

T: 17.60(447)

XY: 65.26(1658)

Weight: 2650(1202.0)

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



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