

DESIGN ENVELOPE 4300 VIL 2019-500.0 SUBMITTAL

See file no. 43.50 for standard mechanical seal details as

indicated below

☐ c1 (a)

Armstrong seal reference number

☐ Others: __

File No: 100.4256

Date: DECEMBER 17, 2015

Supersedes: 100.4236

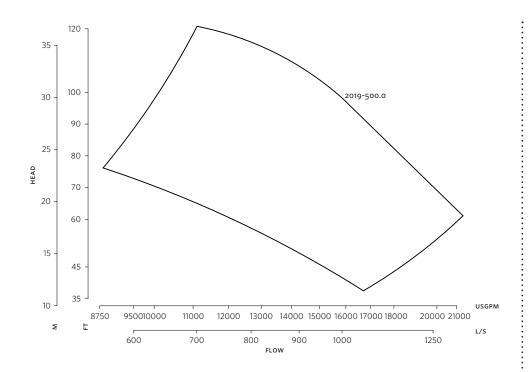
Date: AUGUST 14, 2015

Job:	Repr	resentative:	
	Orde	er No:	Date:
Engineer: Submi		mitted by:	Date:
Contractor: Appro		roved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	Sensorless Control:	N/A
Capacity:USgpm (L/s) Liquid:		Minimum system pressure to be maintained:	ft (m)*
Temperature: °F (°C)		Orientation:	□ L1 (default) □ L2 □ L3 □ L4
Suction: 20" (500 mm)	Discharge: 20" (500 mm)	Protocol (standard):	☐ 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		Protocol (optional):	□ LonWorks®
		Enclosure:	☐ Indoor - UL TYPE 12
		Fused disconnect switch:	
MOTOR DESIGN DATA HP: RPM: Frame size: _	Enclosure:	EMI/RFI control:	Integrated filter designed to meet EN61800-3
Volts: Hertz: 60 F Efficiency: NEMA premium 12.12	dz Phase: 3	Harmonic suppression:	Dual pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
		Cooling:	Fan-cooled through back channel
MAXIMUM PUMP OPERATIN ANSI 125	IG CONDITIONS	Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
175 psig at 150°F (12 bars at 65°C) 100 psig at 300°F (7 bars at 150°C)		Analog ı/o:	Two current or voltage inputs, one current output
ANSI 250		Digital ı∕o:	Six programmable inputs (two can be configured as outputs)
375 psig at 150°F (26 bars at 65°C) 260 psig at 300°F (21 bars at 150°C)		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
 Tolerance of ±0.125" (±3 mm) sho For exact installation, data please certified dimensions 		Communication port:	1-RS485, 1-USB
MECHANICAL SEAL DESIGN DATA		**The IVS 102 drive is a low harmonic of guaranty performance to any syster a system wide specification. If suppl	sure is not known: Default to 40% of design head drive via built-in DC line reactors. This does not in wide harmonic specification or the costs to meet 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.

 $\label{thm:confirm} \text{Confirm current performance data with Armstrong ACE Online selection software.}$

ESTABLISHED 1934

DIMENSION DATA

INDOOR (UL TYPE 12/ODP)

Frame size: 500

Size: 20 × 20 × 19

HP: 500

RPM: 1200

B: 31.00(787)

c: 20.00(508)

D: 48.00(1219)

P: 34.00(864)

s: 40.00(1016)

sp: 88.00(2235)

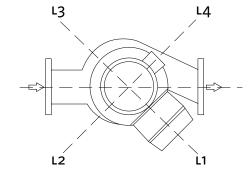
T: 19.88(505)

XY: 108.50(2756)

Weight: 11040(5007.7)

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

INDOOR



TORONTO

+1 416 755 2291

BUFFALO

+1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

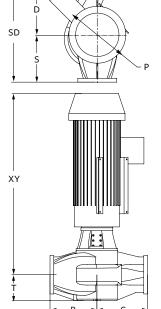
+44 (0) 8444 145 145

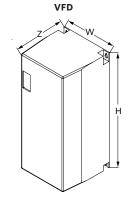
BANGALORE

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See file no. 94.65 for VFD dimensions

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