

DESIGN ENVELOPE 4300 VIL 2019-700.0

File No: 100.4260 Date: DECEMBER 17, 2015 Supersedes: 100.4240 Date: AUGUST 14, 2015

Jop:	Representative:		
	Order No:	Date:	
Engineer:	Submitted by:	Date:	
Contractor:	Approved 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)		Protocol (standard):	□ Modbus rtu □ bacnet™ ms/tp □ Johnson® n2 □ Siemens® fln
OSHPD Seismic Certification OSP-0422-10		Protocol (optional):	
UL STD 778 & CSA STD C22.2 NO.108 certified			
MOTOR DESIGN DATA		Fused disconnect switch:	
нр:	Enclosure:	EMI/RFI control:	Integrated filter designed to meet EN61800-3
Volts: Hertz: 60 H Efficiency: NEMA premium 12.12	z Phase: 3	Harmonic suppression:	Dual DC-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
		Cooling:	Fan-cooled through back channel
MAXIMUM PUMP OPERATING CONDITIONS ANSI 125		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)		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 MECHANICAL SEAL DESIGN DATA 		Communication port:	
		**The IVS 102 drive is a low harmonic d guaranty performance to any system	ure is not known: Default to 40% of design head Irive via built-in DC line reactors. This does not n wide harmonic specification or the costs to meet

See file no. 43.50 for standard mechanical seal details as indicated below

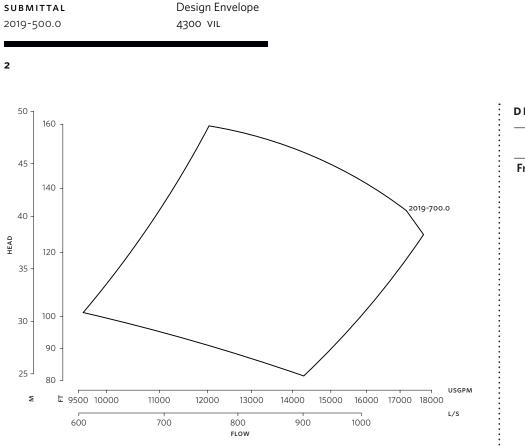
Armstrong seal reference number

🗌 c1 (a)

 \Box Others: ____

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, Armstrong



	INDOOR (UL TYPE 12/ODP)
Frame size:	500
Size:	20×20×19
HP:	700
RPM:	1200
в:	31.00(787)
с:	20.00(508)
D:	48.00(1219)
Ρ:	34.00(864)
S:	40.00(1016)
SD:	88.00(2235)
т:	19.88(505)
XY:	108.50(2756)
Weight:	CF

Performance curves are for reference only. Confirm current performance data with Armstrong ACE Online selection software.

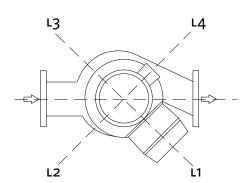


INDOOR

•

Ē

SD



TORONTO

+1 416 755 2291

BUFFALO

+1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

+44 (0) 8444 145 145

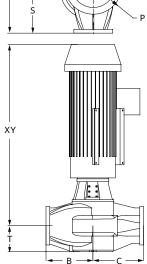
BANGALORE

+91 (0) 80 4906 3555

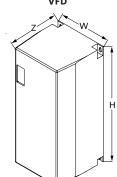
+86 21 3756 6696

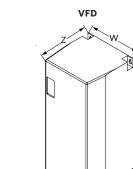
ARMSTRONG FLUID TECHNOLOGY

ARMSTRONGFLUIDTECHNOLOGY.COM



See file no. 94.65 for VFD dimensions







ESTABLISHED 1934