

DESIGN ENVELOPE 4312 TWIN | 8020-018.5 | SUBMITTAL

File No: 100.4772IN

Date: AUGUST 14, 2015

Supersedes: 100.4772IN

Date: MAY 27, 2015

Job:		Representative:	
		Order No:	Date:
Engineer:		Submitted by:	Date:
Contractor:		Approved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	Sensorless control:	Standard
Capacity: m³/h(USgpm) Liquid:		Minimum system pressure to be maintained:	m (ft)*
Temperature:°C (°F)	Specific gravity:	Protocol (standard):	☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 80mm (3")	Discharge: 80mm (3")	Protocol (optional):	☐ LonWorks®
		Enclosure:	□ Indoor - 1P55 □ Outdoor - 1P66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW: RPM:	Enclosure:	Duty/standby	
Volts: Hertz: 5	50 Hz Phase: 3	pre-wired bridge:	
Efficiency: Frame size:		EMI/RFI control:	Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERAT	TING CONDITIONS	Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
PN 16		Cooling:	Fan-cooled through back channel
16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F)		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
PN 25 25 bars at 149°C (375 psig at 300°F) 21 bars at 150°C (260 psig at 300°F)		Analog ı/o:	Two current or voltage inputs, one current output
		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
 Tolerance of ±3 mm (±0.125") 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		**The IVS 102 drive is a low harmonic d	ure is not known: Default to 40% of design head Irive via built-in DC line reactors. This does not
See file no. 43.50 for standard mechanical seal details as indicated below		meet a system wide specification. If Armstrong will run a computer simu	n wide harmonic specification or the costs to supplied with the system electrical details, llation of the system wide harmonics. If system trong can also recommend additional harmonic

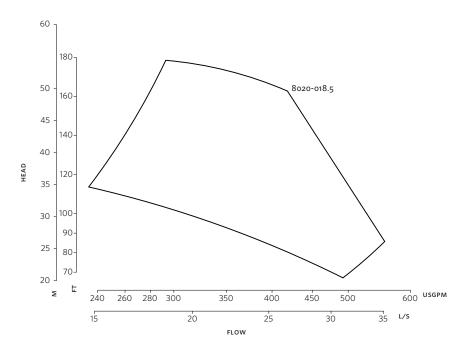
 $mitigation\ and\ the\ costs\ for\ such\ mitigation.$

Armstrong seal reference number

☐ Others:

□ c1 (a)

2



Performance curves are for reference only.

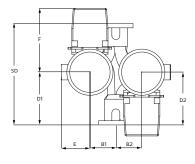
Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

INDOOR IP55	
160L	
8020-018.5	
18.5	
3000	
935(36.81)	
250(10.28)	
250(10.28)	
412(16.22)	
412(16.22)	
200(07.96)	
230(09.14)	
208(08.27)	
430(16.92)	
315(12.40)	
400(15.74)	
158(06.22)	
938(36.92)	
235.42(519)	

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

INDOOR



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