

DESIGN ENVELOPE 4312 TWIN | 8015-002.2 | SUBMITTAL

File No: 100.4718IN

Date: AUGUST 14, 2015

Supersedes: 100.4718IN

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:		☐ Modbus RTU ☐ BACnet™ MS/TF☐ Johnson® N2 ☐ Siemens® FLN
Suction: 80mm (3")	Discharge: 80mm (3")	Protocol (optional):	□ LonWorks®
			☐ Indoor - IP55 ☐ Outdoor - IP66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW: RPM: Volts: Hertz: <u>5</u>		Duty/standby pre-wired bridge:	
Efficiency: IE2 Frame size: MAXIMUM PUMP OPERATING CONDITIONS		емі/RFI control:	Integrated filter designed to meet EN61800-3
		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 I/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		*If minimum maintained system pressure is not known: Default to 40% of design head **The IVS 102 drive is a low harmonic drive via built-in DC line reactors. This does not guaranty performance to any system wide harmonic specification or the costs to	
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	supplied with the system electrical details, llation of the system wide harmonics. If system trong can also recommend additional harmonic

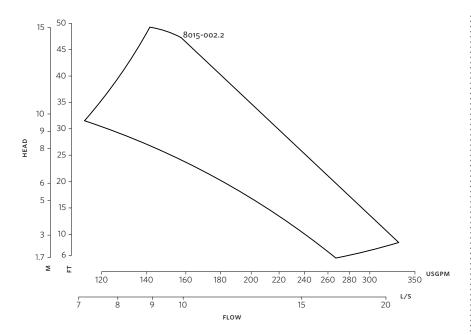
 $\label{eq:mitigation} \mbox{mitigation and the costs for such mitigation.}$

Armstrong seal reference number

☐ Others:

□ c1 (a)

2



kW: 2.2 **RPM:** 3000 **AB:** 569(22.40) **B1:** 225(08.94) **B2:** 225(08.94) **c1:** 362(14.25)

DIMENSION DATA

Frame size: 90L

INDOOR

IP55

Size: 8015-002.2

c2: 362(14.25) **D1:** 180(07.17) **D2:** 220(08.75)

E: 133(05.23) **F:** 150(05.90) **p:** 190(07.57) **sp:** 380(15.05) **T:** 150(05.90) **XY:** 584(23.08)

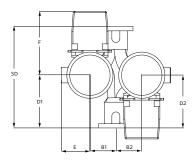
Weight: 85.28(188)

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

Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

INDOOR



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

SHANGHAI

ARMSTRONG FLUID TECHNOLOGY

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