

DESIGN ENVELOPE 4302 DUALARM | 2029-018.5 | SUBMITTAL

Armstrong seal reference number

☐ Others:

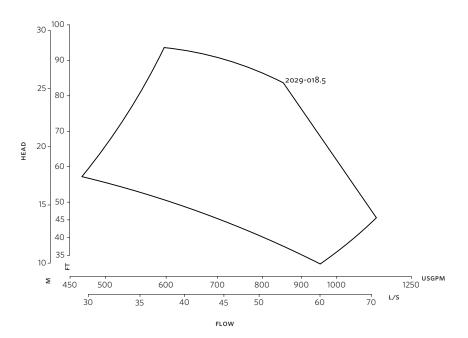
□ c1 (a)

File No: 100.45181N **Date:** AUGUST 14, 2015 Supersedes: 100.4518IN **Date:** JUNE 15, 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/TF☐ Johnson® N2 ☐ Siemens® FLN
Suction: 200mm (8")	Discharge: 200mm (8")	Protocol (optional):	\square LonWorks $^{\circledR}$
		Enclosure:	☐ Indoor – IP55 ☐ Outdoor – IP66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW: RPM: Volts: Hertz: 50		Duty/standby pre-wired bridge:	
Efficiency: ☐ IE2 ☐ IE3 ☐ EFF2 Frame size: MAXIMUM PUMP OPERATING CONDITIONS PN 16 16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F)		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**
		Cooling:	Fan-cooled through back channel
		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 1/0:	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 See file no. 43.50 for standard mechanical seal details as indicated below		*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 meet a system wide specification. If supplied with the system electrical details, Armstrong 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.



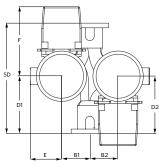
DIMENSION DATA

INDOOR IP55 Frame size: 180L **Size:** 2029-018.5 **kW:** 18.5 **RPM:** 1800 AB: 973(38.30) **B1:** 267(10.51) **B2:** 279(11.07) **c1:** 511(20.11) **c2:** 514(20.23) **D1:** 545(21.54) **D2:** 668(26.38) **E:** 255(10.03) **F:** 450(17.71) **P:** 350(13.86) **SD:** 1192(46.92) **T:** 224(08.81) **XY:** 979(38.54) Weight: 874.53(1928)

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

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

INDOOR



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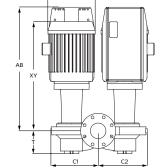
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