

## DESIGN ENVELOPE 4302 DUALARM | 1015-003.0 | SUBMITTAL

Armstrong seal reference number

☐ Others:

□ c1 (a)

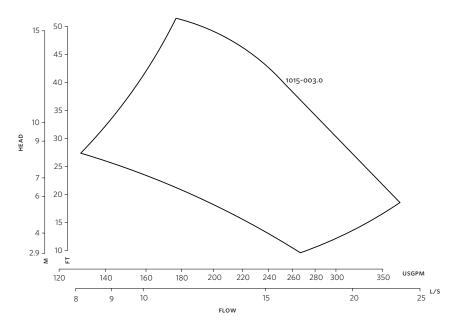
File No: 100.441761N **Date:** AUGUST 14, 2015 Supersedes: 100.44176IN **Date:** JUNE 15, 2015

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) Head: m (ft) Liquid: Viscosity:	Minimum system pressure to be maintained:	m (ft)*
Temperature:°C (°F) Specific gravity:	Protocol (standard):	□ Modbus rtu □ bacnet™ ms/tr □ Johnson® n2 □ Siemens® fln
Suction: 100mm (4") Discharge: 100mm (4")	Protocol (optional):	□ LonWorks®
		□ Indoor – 1P55 □ Outdoor – 1P66
MOTOR DESIGN DATA	Fused disconnect switch:	
kW: RPM: Enclosure:           Volts: Hertz: 50 Hz         Phase: 3	Duty/standby pre-wired bridge:	
Efficiency: ☐ IE2 ☐ IE3 ☐ EFF2 Frame size:		Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERATING CONDITIONS	•	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)		-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)	Analog ı/o:	Two current or voltage inputs, one current output
21 bars at 150°C (260 psig at 300°F)		Six programmable inputs (two can be configured as outputs)
<ul> <li>Tolerance of ±3 mm (±0.125") should be used</li> <li>For exact installation, data please write factory for certified dimensions</li> </ul>	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	**The Ivs 102 drive is a low harmonic di guaranty performance to any system meet a system wide specification. If s	re is not known: Default to 40% of design head rive via built-in DC line reactors. This does not wide harmonic specification or the costs to supplied with the system electrical details, ation of the 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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**DIMENSION DATA** 

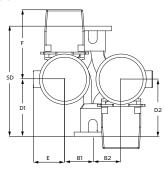
INDOOR IP55 Frame size: 100L **Size:** 1015-003.0 **kW:** 3 **RPM:** 3000 **AB:** 567(22.32) **B1:** 173(06.81) **B2:** 173(06.81) **c1:** 308(12.12) **c2:** 321(12.63) **D1:** 352(13.94) **D2:** 352(13.94) **E:** 138(05.43) **F:** 167(06.66) **P:** 200(07.96) **sp:** 676(26.61) **T:** 147(05.87) **xy:** 579(22.88) Weight: 202.30(445)

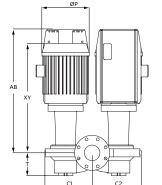
Dimensions - mm (inch) Weight - kg (lbs)

Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

## INDOOR





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