

harmonic levels are exceeded Armstrong can also recommend additional harmonic

mitigation and the costs for such mitigation.

DESIGN ENVELOPE 4302 DUALARM

2025-015.0 | **SUBMITTAL**

Armstrong seal reference number

☐ Others:

□ c1 (a)

File No: 100.4502IN

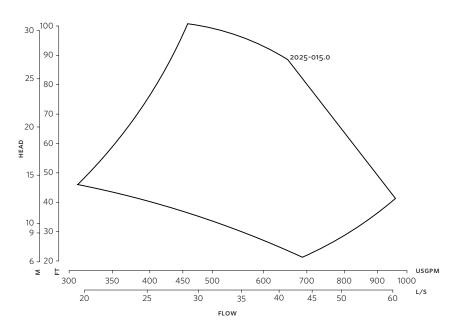
Date: AUGUST 14, 2015

Supersedes: 100.4502IN

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/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 200mm (8")	Discharge: 200mm (8")	Protocol (optional):	☐ LonWorks®
		Enclosure:	☐ Indoor - IP55 ☐ Outdoor - IP66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW: RPM: Volts: Hertz: 5		Duty/standby pre-wired bridge:	
Efficiency: IE2 IE3 EFF2 Frame size:		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) PN 25 25 bars at 149°C (375 psig at 300°F) 21 bars at 150°C (260 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)
		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 See file no. 43.50 for standard mechanical seal details as		*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 pc 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	
indicated below			

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DIMENSION DATA

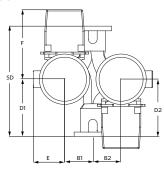
INDOOR IP55 Frame size: 160L Size: 2025-015.0 **kW:** 15 **RPM:** 1800 **AB:** 949(37.45) **B1:** 305(12.00) **B2:** 292(11.58) **c1:** 522(20.64) **c2:** 533(21.07) **D1:** 533(21.07) **D2:** 635(25.08) **E:** 208(08.27) **F:** 430(16.92) **P:** 315(12.40) **sp:** 1168(46.07) **T:** 225(08.94) **XY:** 906(35.75) Weight: 696.26(1534)

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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