

DESIGN ENVELOPE 4302 DUALARM | 1020-002.2 | SUBMITTAL

Armstrong seal reference number

☐ Others:

□ c1 (a)

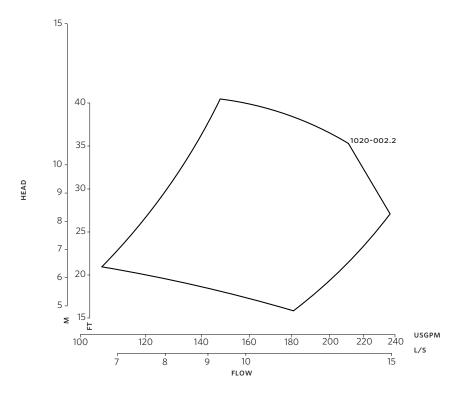
File No: 100.4446IN **Date:** AUGUST 14, 2015 Supersedes: 100.4446IN **Date:** JUNE 15, 2015

Job:		Representative:	
		Order No:	Date:
Engineer:		Submitted by:	Date:
		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
	Discharge: 100mm (4")	Protocol (optional):	☐ LonWorks®
		Enclosure:	☐ Indoor - IP55 ☐ Outdoor - IP66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW: RPM: Enclosure: Volts: Hertz: 50 Hz Phase: 3 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) PN 25 25 bars at 149°C (375 psig at 300°F) 21 bars at 150°C (260 psig at 300°F)		Duty/standby pre-wired bridge:	
		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)
		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		*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 quaranty performance to any system wide harmonic specification or the costs to	
indicated below		meet a system wide specification. If	supplied with the system electrical details, lation of the system wide harmonics. If system

harmonic levels are exceeded Armstrong can also recommend additional harmonic

mitigation and the costs for such mitigation.

2



Performance curves are for reference only.

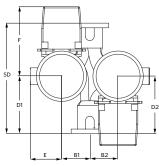
Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

	INDOOR	
	IP55	
Frame size:	100L	
Size:	1020-002.2	
kW:	2.2	
RPM:	1500	
AB:	567(22.32)	
B1:	222(08.74)	
B2:	222(08.74)	
C1:	383(15.16)	
C2:	397(15.62)	
D1:	377(14.84)	
D2:	377(14.84)	
E:	138(05.43)	
F:	167(06.66)	
P:	200(07.96)	
SD:	702(27.63)	
T:	160(06.38)	
XY:	579(22.88)	
Weight:	238.59(526)	
Dimensions - mm (inch)		

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

INDOOR



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