

DESIGN ENVELOPE 4300 VIL | 4020-00.55 | SUBMITTAL

File No: 100.4015UK

Date: AUGUST 14, 2015

Supersedes: 100.4015UK

Date: SEPTEMBER 11, 2013

Job:			Repres	_ Representative:	
			Order	No:	Date:
Engineer:			Submit	ited by:	Date:
			Approv	ved by:	Date:
PUMP DESIGN DAT	-A			CONTROLS DATA	
No. of pumps:	Tag:		: Sensorless Control:	Standard	
Liquid:		Viscosity:		Minimum system pressure to be maintained:	m (ft)*
Temperature: °C (°F) Suction: 40mm (1.5")		Discharge: 40mm (1.5")		Orientation:	☐ L1 (default) ☐ L2 ☐ L3 ☐ L4
Suction: 40mm (1.5)	Discharge. 40) (I.5)	Protocol (standard):	☐ Modbus rtu ☐ BACnet TM MS/TP☐ Johnson® N2 ☐ Siemens® FLN	
DE PUMPING UNIT	CAPACIT	ГҮ		: Protocol (optional):	
OPERATING POINT	LPS	m³/h	METERS	:	☐ Indoor - IP55 ☐ Outdoor - IP66
Full capability at maximum efficiency	2.3	8.2	9.2	: Fused disconnect switch:	
Design point Average part load based	1			•	Integrated filter designed to meet EN61800-3
on default load profile				Harmonic suppression:	Dual pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
				Cooling:	Fan-cooled through back channel
Power: 0.55kW Volts: Efficiency: □ IE2	_	Hz Phase		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
•			_	Analog I/o:	Two current or voltage inputs, one current output
PN 16 16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F)				Digital ı/o:	Six programmable inputs (two can be configured as outputs)
				Pulse inputs:	Two programmable
				Relay outputs:	Two programmable
PN 25 25 bars at 149°C (375 ps 21 bars at 150°C (260 ps				Communication port:	1-RS485, 1-USB
MECHANICAL SEAL DESIGN DATA See file no. 43.50 for standard mechanical seal details as				**The IVS 102 drive is a low harmonic of guarantee performance to any system meet a system wide specification. If Armstrong will run a computer simu	ure is not known: Default to 40% of design head drive via built-in DC line reactors. This does not em wide harmonic specification or the costs to supplied with the system electrical details, alation of the system wide harmonics. If system
indicated below				harmonic levels are exceeded Arms	trong can also recommend additional harmonic

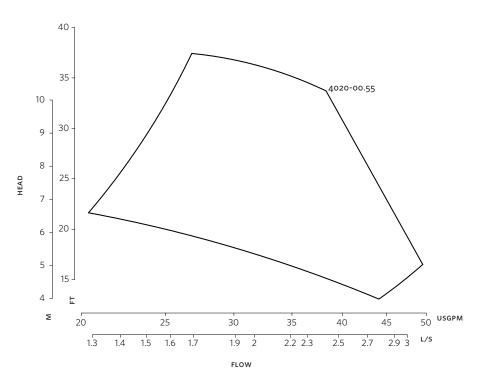
Armstrong seal reference number

☐ Others: _

□ c1 (a)

mitigation and the costs for such mitigation.

2



Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

SD D OP AB

INDOOR

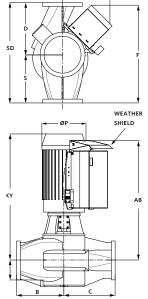
DIMENSION DATA

	INDOOR (IP55)	OUTDOOR (IP66)
Frame size:	80	80
Size:	4020-00.55	4020-00.55
kW:	0.55	0.55
RPM:	1500	1500
AB:	351(13.81)	351(13.81)
В:	147(05.87)	147(05.87)
c:	147(05.87)	147(05.87)
D:	203(08.08)	203(08.08)
E:	150(05.90)	281(05.90)
F:	150(05.90)	
P:	170(06.78)	170(06.78)
s:	203(08.08)	203(08.08)
SD:	406(16.07)	406(16.07)
T:	122(04.80)	122(04.80)
XY:	366(14.40)	366(14.40)
Weight:	80.29(177)	80.29(177)

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

OUTDOOR

- Tolerance of ±3 mm (±0.125") should be used
- For exact installation, data please write factory for certified dimensions



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

+86 21 3756 6696

ARMSTRONG FLUID TECHNOLOGY ESTABLISHED 1934