

DESIGN ENVELOPE 4312 TWIN | 1015-002.2

File No: 100.4732IN

Date: AUGUST 14, 2015

Supersedes: 100.4732IN

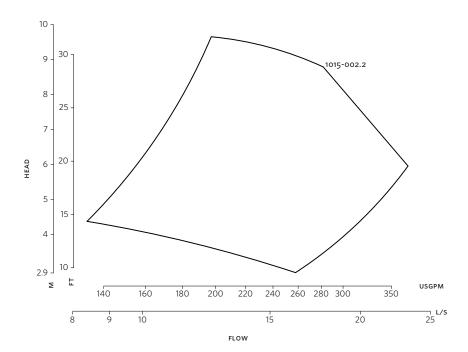
Date: MAY 27, 2015

Job:	Representative:	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 (Liquid: Viscosity:	to be maintained.	m (ft)*	
Temperature:°C (°F) Specific gravity: Suction: 100mm (4") Discharge: 100mm (4")	Protocol (standard):	□ Modbus rtu □ bacnet™ ms/tp □ Johnson® n2 □ Siemens® fln	
	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 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)		Integrated filter designed to meet EN61800-3	
		Dual DC-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements**	
	Cooling:	Fan-cooled through back channel	
		-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)		Two current or voltage inputs, one current output	
 21 bars at 150°C (260 psig at 300°F) Tolerance of ±3 mm (±0.125") should be used For exact installation, data please write factory for certified dimensions 		Six programmable inputs (two can be configured as outputs)	
	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 a	**The IVS 102 drive is a low harmonic dri guaranty performance to any system	*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,	
indicated below	Armstrong will run a computer simula	ation of the system wide harmonics. If system ong can also recommend additional harmonic	
Armstrong seal reference number	mitigation and the costs for such mitig		

□ c1 (a)

☐ Others:

2



Performance curves are for reference only.

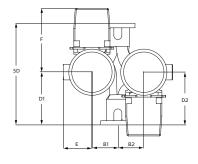
Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

	INDOOR IP55	
	11 20	
Frame size:	100L	
Size:	1015-002.2	
kW:	2.2	
RPM:	1800	
AB:	576(22.77)	
B1:	245(09.64)	
B2:	245(09.64)	
C1:	400(15.74)	
C2:	409(16.10)	
D1:	290(11.41)	
D2:	290(11.41)	
E:	138(05.43)	
F:	167(06.66)	
P:	200(07.96)	
SD:	490(13.08)	
T:	178(05.31)	
XY:	591(23.35)	
Weight:	112.49(247)	
XY:	591(23.35)	

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

INDOOR



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

ARMSTRONGFLUIDTECHNOLOGY.COM