

DESIGN ENVELOPE 4312 TWIN | 1520-011.0 SUBMITTAL

File No: 100.4790IN **Date:** AUGUST 14, 2015 Supersedes: 100.4790IN Date: MAY 27, 2015

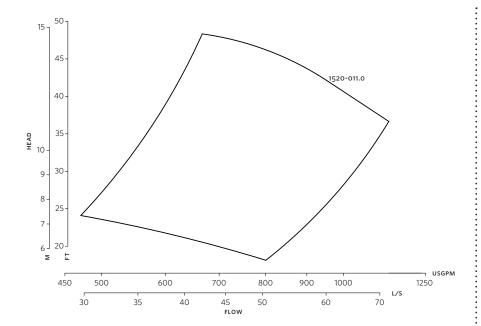
Job:	Representative:	Representative:	
	Order No:	Date:	
Engineer:	Submitted by:	Date:	
Contractor:	Approved by:	Date:	
PUMP DESIGN DATA	CONTROLS DATA		
No. of pumps: Tag:	Sensorless control:	Standard	
Capacity: m³/h(USgpm) Head: m (Liquid: Viscosity:	to be maintained.	m (ft)*	
Temperature:oc (of) Specific gravity:	Protocol (standard):	□ Modbus rtu □ bacnet™ ms/tp □ Johnson® n2 □ Siemens® fln	
Suction: 150mm (6") Discharge: 150mm (6")	Protocol (optional):	□ LonWorks®	
		□ Indoor – 1P55 □ Outdoor – 1P66	
MOTOR DESIGN DATA	Fused disconnect switch:		
kW:	Duty/standby pre-wired bridge:		
Efficiency: ☐ IE2 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 16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F)	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 	Digital ı/o:	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	**The IVS 102 drive is a low harmonic dr	re is not known: Default to 40% of design head ive via built-in DC line reactors. This does not wide harmonic specification or the costs to	
See file no. 43.50 for standard mechanical seal details indicated below	as meet a system wide specification. If s Armstrong will run a computer simul	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 harmonic levels are exceeded Armstrong can also recommend additional harmonic	
Armstrong seal reference number			

□ c1 (a)

☐ Others:

SUBMITTAL 1520-011.0

2



Performance curves are for reference only.

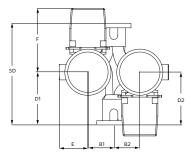
Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

INDOOR IP55 Frame size: 160M **Size:** 1520-011.0 **kW:** 11 **RPM:** 1800 **AB:** 950(37.40) **B1:** 300(11.81) **B2:** 300(11.81) **c1:** 517(20.44) **c2:** 530(20.95) **D1:** 320(07.37) **D2:** 440(17.32) **E:** 208(08.27) **F:** 430(16.92) **p:** 315(12.40) **sp:** 700(27.64) **T:** 223(08.86) **XY:** 909(35.87) Weight: 285.31(629)

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