

DESIGN ENVELOPE 4302 DUALARM | 1520-004.0 | submittal

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: m ³ /h(USgpm) Head: Liquid: Viscos		Minimum system pressure to be maintained:	m (ft)*
Temperature:°C (°F) Specif	ic gravity:	Protocol (standard):	□ Modbus rtu □ bacnet™ ms/tr □ Johnson® N2 □ Siemens® fln
Suction: 150mm (6") Discha	arge: 150mm (6")	Protocol (optional):	□ LonWorks [®]
		Enclosure:	□ Indoor - 1P55 □ Outdoor - 1P66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW: RPM: Enclo Volts: Hertz: 50 Hz		Duty/standby pre-wired bridge:	
Efficiency: \Box IE2 \Box IE3 \Box 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)		EMI/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
		•	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
		•	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		*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, Armstrong will run a computer simulation of the system wide harmonics. If system	
See file no. 43.50 for standard mechanical seal details as indicated below			

••••••

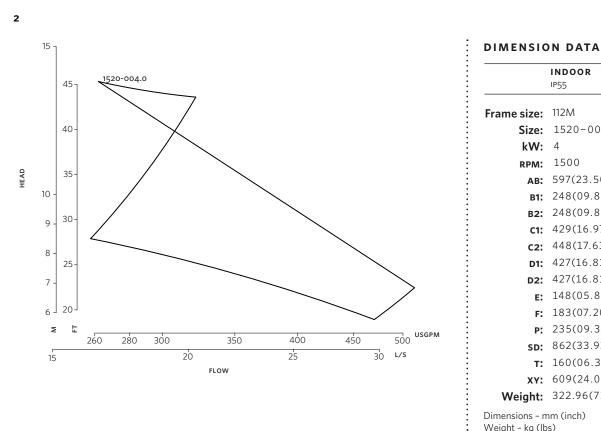
harmonic levels are exceeded Armstrong can also recommend additional harmonic

mitigation and the costs for such mitigation.

Armstrong seal reference number

□ c1 (a) □ Others: ____

Design Envelope 4302 dualArm



INDOOR IP55		
Frame size:	112M	
Size:	1520-004.0	
kW:	4	
RPM:	1500	
AB:	597(23.50)	
B1:	248(09.85)	
B2:	248(09.85)	
C1:	429(16.97)	
C2:	448(17.63)	
D1:	427(16.81)	
D2:	427(16.81)	
E:	148(05.82)	
F:	183(07.20)	
P:	235(09.34)	
SD:	862(33.93)	
т:	160(06.38)	
XY:	609(24.06)	
Weight:	322.96(712)	
Dimensions - mm (inch) Weight - kg (lbs)		

Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

TORONTO +1 416 755 2291

BUFFALO +1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

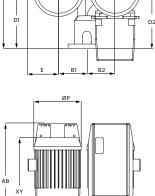
+44 (0) 8444 145 145

BANGALORE

SHANGHAI

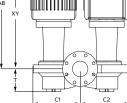
+91 (0) 80 4906 3555

ARMSTRONG FLUID TECHNOLOGY



INDOOR

SD



ARMSTRONGFLUIDTECHNOLOGY.COM

+86 21 3756 6696

ESTABLISHED 1934