

DESIGN ENVELOPE 4302 DUALARM | 1520-003.0 | SUBMITTAL

Armstrong seal reference number

☐ Others:

□ c1 (a)

File No: 100.4461IN **Date:** AUGUST 14, 2015 Supersedes: 100.4461IN **Date:** JUNE 15, 2015

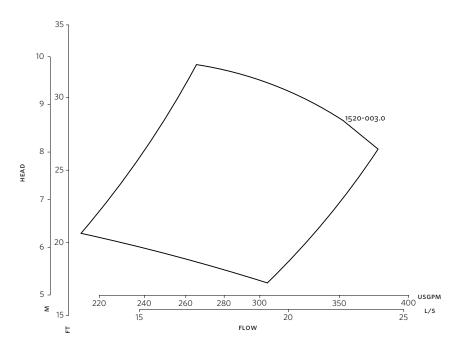
Job:		Representative:	
		Order No:	Date:
Engineer:		Submitted by:	Date:
Contractor:		Approved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Tag:	Sensorless Control:	Standard
Capacity: m³/h(USgpm) Liquid:		Minimum system pressure to be maintained:	m (ft)*
Temperature:°C (°F)	Specific gravity:	Protocol (standard):	☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 150mm (6")	Discharge: 150mm (6")	Protocol (optional):	\square LonWorks $^{\circledR}$
		Enclosure:	☐ Indoor - IP55 ☐ Outdoor - IP66
MOTOR DESIGN DATA		: Fused disconnect switch:	
kW: RPM:	Enclosure:	: Duty/standby	
Volts: Hertz: 50 Hz Phase: 3		pre-wired bridge:	
Efficiency: ☐ IE2 ☐ IE3 ☐ EFF2 Frame size:		EMI/RFI control:	Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERAT	ING CONDITIONS	Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements**
PN 16		Cooling:	Fan-cooled through back channel
16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F)		Ambient temperature:	-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)		Analog ı/o:	Two current or voltage inputs, one current output
21 bars at 150°C (260 psig at 300°	°F)	: Digital (/o	Six programmable inputs (two
 Tolerance of ±3 mm (±0.125") should be used For exact installation, data please write factory for certified dimensions 		Digital 1/0.	can be configured as outputs)
		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
		Communication port:	1-RS485, 1-USB
MECHANICAL SEAL DESIG	ON DATA	*If minimum maintained system press	ure is not known: Default to 40% of design head
See file no. 43.50 for standard mechanical seal details as indicated below		guaranty performance to any syster	drive via built-in DC line reactors. This does not m wide harmonic specification or the costs to 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

mitigation and the costs for such mitigation.

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Performance curves are for reference only.

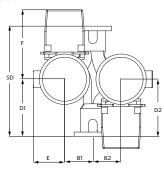
Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

	INDOOR	
	IP55	
Frame size:	100L	
Size:	1520-003.0	
kW:	3	
RPM:	1500	
AB:	577(22.71)	
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:	138(05.43)	
F:	167(06.66)	
P:	200(07.96)	
SD:	862(33.93)	
T:	160(06.38)	
XY:	589(23.27)	
Weight:	299.37(659)	
Dimensions - n	,	

Weight - kg (lbs)

INDOOR



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