

DESIGN ENVELOPE 4302 DUALARM | 8020-015.0 | submittal

File No: 100.44421N Date: AUGUST 14, 2015 Supersedes: 100.44421N 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/tr □ Johnson® N2 □ Siemens® fln
Suction: 80mm (3")	Discharge: 80mm (3")	Protocol (optional):	\Box LonWorks [®]
		Enclosure:	□ Indoor - 1P55 □ Outdoor - 1P66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW:	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 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 DESIG	GN DATA	•	ure is not known: Default to 40% of design heac drive via built-in ɒc line reactors. This does not
See file no. 43.50 for standard mechanical seal details as indicated below		guaranty performance to any system	n 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

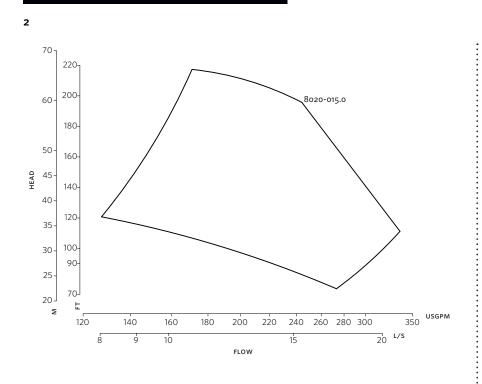
mitigation and the costs for such mitigation.

Armstrong seal reference number

□ c1 (a) □ Others: ____



Design Envelope 4302 dualArm

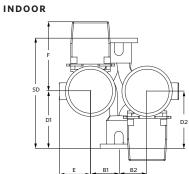


	INDOOR	
	IP55	
Frame size:	160M	
Size:	8020-015.0	
kW:	15	
RPM:	3600	
AB:	949(37.45)	
B1:	178(07.00)	
B2:	178(07.00)	
C1:	318(12.51)	
C2:	321(12.63)	
D1:	271(10.75)	
D2:	271(10.75)	
E:	208(08.27)	
F:	430(16.92)	
P:	315(12.40)	
SD:	484(19.14)	
т:	129(05.16)	
XY:	837(33.04)	
Weight:	395.08(871)	
Dimensions – mm (inch) Weight – kg (Ibs)		

DIMENSION DATA

Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.



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MANCHESTER

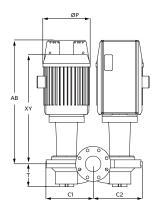
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