

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.

DESIGN ENVELOPE 4302 DUALARM

SINGLE PHASE | 0606-001.5 | SUBMITTAL

File No: 100.4542

Date: OCTOBER 27, 2014

Supersedes: NEW

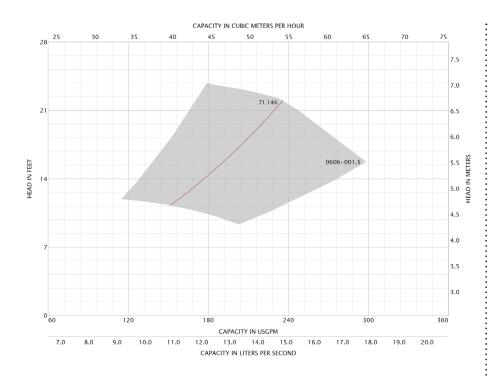
Date: NEW

Job:	Representative:	
	Order No:	Date:
Engineer:	Submitted by:	Date:
Contractor:	Approved by:	Date:
PUMP DESIGN DATA	CONTROLS DATA	
No. of pumps: Tag:	Power supply	: Volts: 200-240VAC
Capacity:USgpm (L/s) Head:	ft (m)	Freq: 50/60Hz Phase: 1
Liquid: Viscosity:_	Sensorless control	
Temperature:°F (°C) Specific gra	: Minimum system pressure	: ft (m)*
Suction: 6" (150mm) Discharge:	: to be maintained	: ☐ Modbus RTU ☐ BACnet™ MS/TP
	Trotocor (Standard)	☐ Johnson® N2 ☐ Siemens® FLN
	Protocol (optional)	
MOTOR DESIGN DATA	Enclosure	: ☐ Indoor - UL TYPE 12
нр: 1.5 RPM: 1450 Frame size	e:	☐ Outdoor – UL TYPE 4x with
Enclosure: Volts: 208 Freq: 60	: H ₇	weather shield ☐ Outdoor – UL TYPE 4X less
·		weather shield
Phase: 3 Efficiency: NEMA premiu	Disconnect switch	: □ Non-fused
	Duty/standby	,
MAXIMUM PUMP OPERATING COND		
ANSI 125	EMI/RFI control	: 1-phase IVS102 units do not meet the EN61800-3 directive
175 psig at 150°F (12 bars at 65°C)	: Harmonic suppression	: Dual pc-link reactors (Equivalent: 5%
140 psig at 250°F (10 bars at 121°C)		AC line reactor) Supporting IEEE
ANSI 250		519-1992 requirements**
250 psig at 150°F (17 bars at 65°C)	•	: Fan-cooled through back channel
250 psig at 250°F (17 bars at 121°C)	Ambient temperature	: -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
 Tolerance of ±0.125" (±3 mm) should be use For exact installation, data please write fact 	ed :	: Two current or voltage inputs, one current output
certified dimensions	Digital I/O	: Six programmable inputs (two can be configured as outputs)
	Pulse inputs	: Two programmable
MECHANICAL SEAL DESIGN DATA	:	: Two programmable
Coo file no. 42 to for standard machaning	Communication port	: 1-RS485, 1-USB
See file no. 43.50 for standard mechanical se indicated below	* If minimum maintained system pi ** The ivs 102 drive is a low harmoni	ressure is not known: Default to 40% of design head c drive via built-in pc line reactors. This does not
Armstrong seal reference number		tem wide harmonic specification or the costs to meet oplied with the system electrical details, Armstrong

☐ A1 (c)

☐ Others: _

2



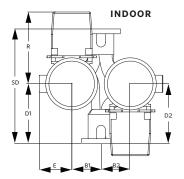
Performance curves are for reference only.

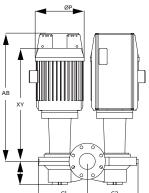
 ${\it Confirm \ current \ performance \ data \ with \ Armstrong \ {\it ACE \ Online \ selection \ software.}}$

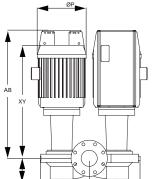
DIMENSION DATA

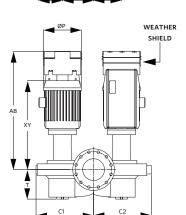
	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	145	145
Size:	6×6×6	6×6×6
HP:	1.5	1.5
RPM:	1450	1450
AB:	24.18(614)	30.21(767)
B1:	7.39(188)	7.39(188)
B2:	7.39(188)	7.39(188)
C1:	13.63(346)	13.63(346)
C2:	14.31(364)	14.31(364)
D1:	16.81(427)	16.81(427)
D2:	16.81(427)	16.81(427)
E:	4.13(105)	6.09(155)
F:	12.58(320)	18.50(470)
P:	8.63(219)	7.28(185)
SD:	33.50(851)	33.50(851)
T:	7.75(197)	7.75(197)
XY:	22.28(566)	20.78(528)
Weight:	566(256.7)	580(263.1)

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









OUTDOOR

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