

# DESIGN ENVELOPE 4312 TWIN | 5015-004.0 | SUBMITTAL

File No: 100.47064IN

Date: AUGUST 14, 2015

Supersedes: 100.47064IN

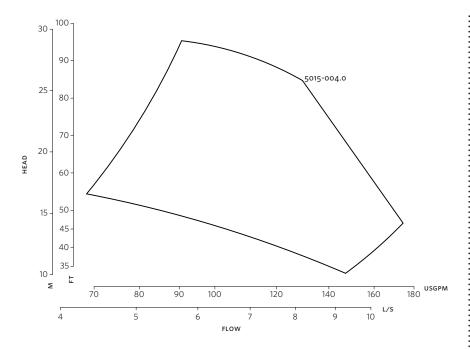
Date: MAY 27, 2015

Job:	Representative:		
	Order No:	Date:	
Engineer:	Submitted by:	Date:	
Contractor:	Approved by:	Date:	
PUMP DESIGN DATA	CONTROLS DATA		
No. of pumps: Tag:	Sensorless control: St	andard	
Capacity:m³/h(USgpm) Head:m ( Liquid: Viscosity:	to be maintained.	m (ft)*	
Temperature:°C (°F) Specific gravity: Suction: 50mm (2") Discharge: 50mm (2")	Protocol (standard): ☐	Modbus rtu	
	") Protocol (optional): $\square$	LonWorks®	
	Enclosure:	Indoor	
MOTOR DESIGN DATA	Fused disconnect switch:		
kW:	Duty/standby pre-wired bridge: □		
Efficiency:   IE2 Frame size:  MAXIMUM PUMP OPERATING CONDITIONS PN 16		<b>EMI/RFI control:</b> Integrated filter designed to meet EN61800-3	
	5%	ual pc-link reactors (Equivalent: % Ac line reactor) Supporting EE 519-1992 requirements**	
	<b>Cooling:</b> Fa	n-cooled through back channel	
16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F)		o°c to +45°c up to 1000 eters above sea level 14°F to +113°F, 3300 ft)	
PN 25 25 bars at 149°C (375 psig at 300°F)		wo current or voltage inputs, ne current output	
<ul> <li>21 bars at 150°C (260 psig at 300°F)</li> <li>Tolerance of ±3 mm (±0.125") should be used</li> <li>For exact installation, data please write factory for certified dimensions</li> </ul>		x programmable inputs (two an be configured as outputs)	
	Pulse inputs: Tv	vo programmable	
	Relay outputs: Tv	vo programmable	
	Communication port: 1-1	Communication port: 1-RS485, 1-USB	
MECHANICAL SEAL DESIGN DATA	**The IVS 102 drive is a low harmonic drive guaranty performance to any system wi	is not known: Default to 40% of design head e via built-in pc line reactors. This does not de harmonic specification or the costs to	
See file no. 43.50 for standard mechanical seal details a indicated below	meet a system wide specification. If sup Armstrong will run a computer simulation	·	
Armstrong seal reference number	mitigation and the costs for such mitigar		

□ c1 (a)

☐ Others:

2



Performance curves are for reference only.

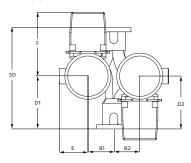
Confirm current performance data with Armstrong ACE Online selection software.

#### **DIMENSION DATA**

	INDOOR IP55	
Frame size:	112M	
Size:	5015-004.0	
kW:	4	
RPM:	3000	
AB:	582(22.91)	
B1:	200(07.96)	
B2:	200(07.96)	
C1:	314(12.45)	
C2:	314(12.45)	
D1:	185(07.37)	
D2:	185(07.37)	
E:	148(05.82)	
F:	183(07.20)	
P:	235(09.34)	
SD:	330(13.08)	
T:	135(05.31)	
XY:	597(23.50)	
Weight:	96.62(213)	

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

## INDOOR



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