

## DESIGN ENVELOPE 4312 TWIN | 1020-005.5 | SUBMITTAL

File No: 100.4782IN

Date: AUGUST 14, 2015

Supersedes: 100.4782IN

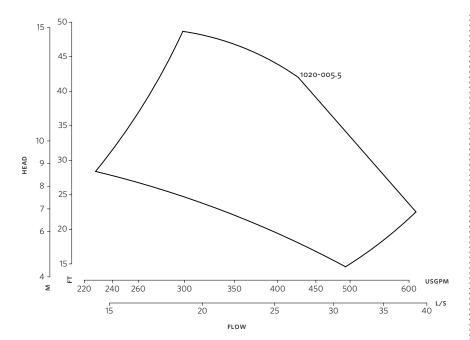
Date: MAY 27, 2015

Job:	Representative:	
	Order No:	Date:
Engineer:	Submitted by:	Date:
Contractor:	Approved by:	Date:
PUMP DESIGN DATA	CONTROLS DATA	
No. of pumps: Tag:	Sensorless control:	Standard
Capacity: m³/h(USgpm) Head: m Liquid: Viscosity:	بالمصائمة والمساهمة	m (ft)*
Temperature:°C (°F) Specific gravity:	Protocol (standard):	□ Modbus RTU □ BACnet™ MS/TP □ Johnson® N2 □ Siemens® FLN
Suction: 100mm (4") Discharge: 100mm (4")	(4") Protocol (optional):	□ LonWorks®
	Enclosure:	□ Indoor – 1P55 □ Outdoor – 1P66
MOTOR DESIGN DATA	Fused disconnect switch:	
kW:	Duty/standby pre-wired bridge:	
Efficiency:  IE2 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)		Integrated filter designed to meet EN61800-3
	:	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)
PN 25 25 bars at 149°C (375 psig at 300°F)		Two current or voltage inputs, one 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>		Six programmable inputs (two can be configured as outputs)
	Pulse inputs:	Two programmable
	Relay outputs:	Two programmable
	Communication port:	1-RS485, 1-USB
MECHANICAL SEAL DESIGN DATA  See file no. 43.50 for standard mechanical seal details	**The IVS 102 drive is a low harmonic dr guaranty performance to any system	re is not known: Default to 40% of design head ive via built-in pc line reactors. This does not wide harmonic specification or the costs to supplied with the system electrical details,
indicated below	Armstrong will run a computer simula	ation of the system wide harmonics. If system
Armstrong seal reference number	harmonic levels are exceeded Armstr mitigation and the costs for such miti	ong can also recommend additional harmonic gation.

□ c1 (a)

☐ Others:

2



Performance curves are for reference only.

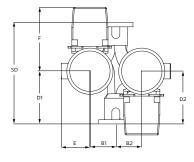
Confirm current performance data with Armstrong ACE Online selection software.

## **DIMENSION DATA**

	INDOOR IP55	
Frame size:	1325	
Size:	1020-005.5	
kW:	5.5	
RPM:	1800	
AB:	702(27.63)	
B1:	290(11.41)	
B2:	290(11.41)	
C1:	479(18.94)	
C2:	481(18.93)	
D1:	284(11.18)	
D2:	284(11.18)	
E:	175(06.97)	
F:	212(08.34)	
P:	280(11.02)	
SD:	508(20.08)	
T:	203(05.31)	
XY:	717(28.22)	
Weight:	164.20(361)	

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

## INDOOR



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