

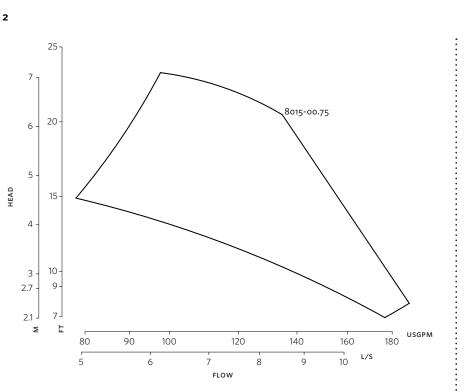
DESIGN ENVELOPE 4312 TWIN 8015-00.75 SUBMITTAL

File No: 100.4714IN Date: AUGUST 14, 2015 Supersedes: 100.4714IN 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) Liquid:		Minimum system pressure to be maintained:	m (ft)*
Temperature:°C (°F) Suction: 80mm (3")		Protocol (standard):	□ Modbus rtu □ bacnet™ ms/tp □ Johnson® n2 □ Siemens® fln
		Protocol (optional):	\Box LonWorks [®]
		Enclosure:	□ Indoor - 1P55 □ Outdoor - 1P66
MOTOR DESIGN DATA		Fused disconnect switch:	
kW: RPM: Volts: Hertz: 5		Duty/standby pre-wired bridge:	
Efficiency:		ЕМІ/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 16 bars at 149°C (232 psig at 300°F) 7 bars at 150°C (100 psig at 300°F) PN 25 25 bars at 149°C (375 psig at 300°F) 21 bars at 150°C (260 psig at 300°F)		Cooling:	Fan-cooled through back channel
		Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
		Analog ı/o:	Two current or voltage inputs, one current output
		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 DESIGN DATA See file no. 43.50 for standard mechanical seal details as indicated below Armstrong seal reference number		*If minimum maintained system pressure is not known: Default to 40% of design head **The IVS 102 drive is a low harmonic drive via built-in DC line reactors. This does not guaranty performance to any system wide harmonic specification or the costs to meet a system wide specification. If 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.	
-			uyanon.
□ c1 (a) □ Others:		•	



Design Envelope 4312 twin



DIMENSION DATA

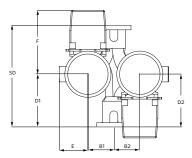
	INDOOR
	IP55
Frame size:	80
Size:	8015-00.75
kW:	0.75
RPM:	1500
AB:	526(20.70)
B1:	225(08.94)
B2:	225(08.94)
C1:	362(14.25)
C2:	362(14.25)
D1:	180(07.17)
D2:	220(08.75)
E:	123(04.84)
F:	148(05.82)
Ρ:	170(06.78)
SD:	380(15.05)
т:	150(05.90)
XY:	541(21.38)
Weight:	137.44(303)
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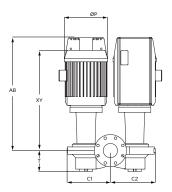
Dimensions – mm (inch) Weight – kg (lbs)

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Performance curves are for reference only. Confirm current performance data with Armstrong ACE Online selection software.

INDOOR





TORONTO +1 416 755 2291

BUFFALO +1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

+44 (0) 8444 145 145

BANGALORE

+91 (0) 80 4906 3555

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ARMSTRONGFLUIDTECHNOLOGY.COM

+86 21 3756 6696

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