

DESIGN ENVELOPE 4312 TWIN | 0308-030.0 | SUBMITTAL

File No: 100.4774

Date: JANUARY 14, 2016

Supersedes: 100.4774

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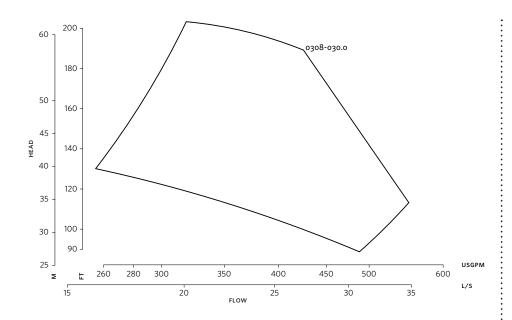
Job:		Representative:	
		Order No:	Date:
Engineer: Su Contractor: Ap		Submitted by:	Date:
		Approved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps:	Гад:	: Sensorless Control:	Standard
Capacity:USgpm (L/s) H	Head:ft (m) Minimum system pressure	ft (m)*
Temperature:°F (°C)	Specific gravity:	5 (1/) 1 ()	☐ Modbus RTU ☐ BACnet [™] MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 3" (75mm) [Protocol (optional):	□ LonWorks®
OSHPD Seismic Certification OSP-0422-10 UL STD 778 & CSA STD C22.2 NO.108 certified		Enclosure:	☐ Indoor – UL TYPE 12 ☐ Outdoor – UL TYPE 4X with
MOTOR DESIGN DATA		Fused disconnect switch:	Weather Shield ☐ Outdoor - UL TYPE 4X less Weather Shield
HP: RPM: Frame size	e: Enclosure:		
Volts: Hertz: 60	Hz Phase: 3	pre-wired bridge:	
Efficiency: NEMA premium 12.12		ЕМІ/RFI control:	Integrated filter designed to meet EN61800-3
MAXIMUM PUMP OPERAT	ING CONDITIONS	Harmonic suppression:	Dual pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
ANSI 125		Cooling:	Fan-cooled through back channel
175 psig at 150°F (12 bars at 65°C) 140 psig at 250°F (10 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 used For exact installation, data please write factory for certified dimensions 		Analog ı/o:	Two current or voltage inputs, one current output
		Digital ı/o:	Six programmable inputs (two can be configured as outputs)
		Pulse inputs:	Two programmable
		Relay outputs:	Two programmable
MECHANICAL SEAL DESIGN DATA		Communication port:	1-RS485, 1-USB
See file no. 43.50 for standard mechanical seal details as indicated below		•	sure is not known: Default to 40% of design head drive via built-in ɒc line reactors. This does not
Armstrong seal reference number			m wide harmonic specification or the costs to meet

☐ c1 (a)

☐ Others: _

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.

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Performance curves are for reference only.

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

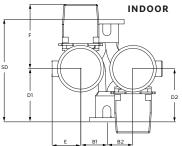
ARMSTRONG FLUID TECHNOLOGY

ESTABLISHED 1934

DIMENSION DATA

	INDOOR	OUTDOOR
	(UL TYPE 12/ODP)	(UL TYPE 4X/TEFC)
Frame size:	284TC	286TC
Size:	3×3×8	3×3×8
HP:	30	30
RPM:	3600	3600
AB:	40.42(1027)	45.81(1164)
B1:	9.84(250)	9.84(250)
B2:	9.84(250)	9.84(250)
C1:	16.22(412)	16.22(412)
C2:	16.24(412)	16.24(412)
D1:	7.87(200)	7.87(200)
D2:	9.05(230)	9.05(230)
E:	11.75(298)	12.00(305)
F:	20.60(523)	24.68(627)
P:	13.38(340)	15.31(389)
SD:	15.75(400)	15.75(400)
T:	6.22(158)	6.22(158)
XY:	37.23(946)	43.36(1101)
Weight:	1246(565.2)	1356(615.1)

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



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