

DESIGN ENVELOPE 4280 END SUCTION

SINGLE PHASE | 0408-005.0 | SUBMITTAL

MECHANICAL SEAL DATA

Stationary seat: Silicone carbide

Rotating hardware: Stainless steel

Seal type: 2A

Secondary seal: EPDM

Spring: Stainless steel

File No: 100.3636

Date: APRIL 18, 2016

Supersedes: NEW

Date: NEW

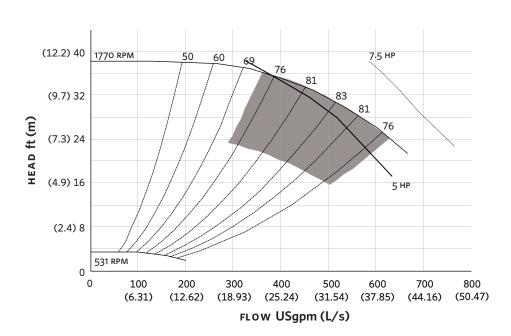
Jop:		Representative:				
			Order No:	[Date:	
Engineer:			Submitted by:	[
			Approved by:			
PUMP DESIGN	I DATA		CONTROLS DATA			
No. of pumps:		Tag:	Power supply:	Volts: 200-240\	/AC	
Capacity:	USgpm (L/s)	Head:ft (m)		Freq: 50/60Hz	Phase: 1	
Liquid:		Viscosity:	Sensorless Control:	Standard		
Temperature:	°F (°C)	Specific gravity:	Minimum system pressure			
Suction: 6" (150mm) Tapped holes			to be maintained:		ft (m)*	
Discharge: 4" (100mm) Flanged			Protocol (standard):		☐ BACnet™ MS/TP☐ Siemens® FLN	
OSHPD Seismic Certification OSP-0422-10 UL STD 778 & CSA STD C22.2 NO.108 certified			: Protocol (optional):	□ LonWorks®		
			•	: □ Indoor - UL TYPE 12		
MOTOR DESIGN DATA			Disconnect switch:	: □ Non-fused		
HP: 5	RPM: 1800	Frame size: 184JM	емі/RFI control:	1-phase IVS102 u	nits do not meet the	
Enclosure: TEFC		·	Harmonic suppression:	EN61800-3 directive Dual DC-link reactors (equivalent: 5% AC line reactor) supporting IEEE 519-1992 requirements**		
MAXIMUM PUMP OPERATING CONDITIONS			S Cooling:	Fan-cooled through back channel		
ANSI 125 175 psig at 150°F (12 bars at 65°C)				: -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)		
140 psig at 250°F (10 bars at 121°C)			Analog I/o:	Two current or voltage inputs, one current output		
ANSI 250 300 psig at 150°F (20 bars at 65°C)			Digital ı/o:	: Six programmable inputs (two can be configured as outputs)		
250 psig at 250°F (17 bars at 121°C)			: Pulse inputs:	: Two programmable		
• Tolerance of ±0.125" (±3 mm) should be used			•	: Two programmable		
For exact installation, data please write factory for certified dimensions			Communication port:			

^{*}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.

FLUID TYPE	ALL GLYCOLS > 30% WT CONC		ALL OTHER NON-POTABLE FLUIDS		POTABLE (DRINKING) WATER	
Temperature	up to 200°F / 93°C	over 200°F / 93°C	up to 200°F / 93°C	over 200°F / 93°C	up to 200°F / 93°C	over 200°F / 93°C
Rotating face	Silicone carbide		Resin bonded carbon	Antimony loaded carbon	Resin bonded carbon	
Seat elastomer	EPDM (L-cup)	EPDM (O-ring)	EPDM (L-cup)	EPDM (0-ring)	EPDM (L-cup)	EPDM (0-ring)
Material code	SCsc L EPSS 2A	SCsc o epss 2A	C-SC L EPSS 2A	ACsc o epss 2A	C-SC L EPSS 2A	C-SC O EPSS 2A

EXTENDED SPEED



Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

ESTABLISHED 1934

DIMENSION DATA

INDOOR (UL TYPE 12/ODP)

Frame size: 184JM

Size: $6 \times 4 \times 8$

HP: 5

RPM: 1800

A: 9.08 (231)

B: 7.09 (180)

CMAX: 21.09 (536)

D1: 7.63 (194)

D2: 4.50 (114)

2E: 7.50 (191) **F:** 5.50 (140)

H: 0.47 (12)

HD: 6.89 (175)

HI: 24.13 (613)

HV: 16.23 (412)

N: 6.30 (160)

NaN1: 6.00 (152)

x: 11.00 (279)

y: 4.00 (102)

Casing foot hole: 0.63 (16)

Weight: 333 (151.0)

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

INDOOR



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BANGALORE

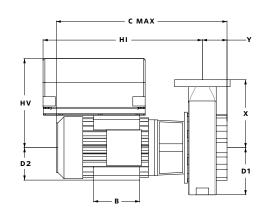
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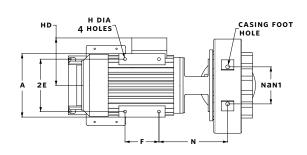
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