

DESIGN ENVELOPE 4200H | END SUCTION BASE MOUNTED SPLIT-COUPLED | 1506-005.0 | SUBMITTAL

File No: 100.3210

Date: APRIL 18, 2016

Supersedes: NEW

Date: NEW

Job:		Repre	Representative:	
		Order	No:	Date:
Engineer: Su Contractor: Ap		Subm	itted by:	
		Appro	oved by:	
PUMP DESIGN DATA			CONTROLS DATA	
No. of pumps:	Tag:		Sensorless Control:	Standard
Capacity:USgpr			Minimum system pressure to be maintained:	ft (m)*
Liquid: Temperature:			Protocol (standard):	☐ Modbus RTU ☐ BACnet TM MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 3"(75mm) Flanged			Protocol (optional):	□ LonWorks®
Discharge: 1.5"(40 mm) Flanged			Enclosure:	☐ Indoor – UL TYPE 12
3 3 1	3		Fused disconnect switch:	
UL STD 778 & CSA STD C22.2 NO.108 certified			EMI/RFI control:	Integrated filter designed to meet EN61800-3
MOTOR DESIGN DATA			Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
HP: 5 RPM: 3600 I	Frame size: 184TC	Enclosure: TEFC	Cooling:	Fan-cooled through back channel
Volts:		Phase: 3	Ambient temperature:	-10°c to +45°c up to 1000 meters abov sea level (-14°F to +113°F, 3300 ft)
Efficiency: NEMA premiur	n 12.12		Analog ı/o:	Two current or voltage inputs, one current output
MAXIMUM PUMP OPERATING CONDITIONS			Digital ı/o:	Six programmable inputs (two can be configured as outputs)
ANSI 125			Pulse inputs:	Two programmable
175 psig at 140°F (12 bars at 60°C)			Relay outputs:	Two programmable
100 psig at 300°F (7 bars at 149°C)			Communication port:	1-RS485, 1-USB
ANSI 250 375 psig at 100°F (26 bars at 38°C) 275 psig at 300°F (19 bars at 149°C)			*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 pc line reactors. This does not guaranty performance to any system wide harmonic specification or the costs to meet	

MECHANICAL SEAL DATA

and the costs for such mitigation.

Seal type: AB2 Stationary seat: Sintered silicon carbide
Secondary seal: Viton Rotating hardware: Stainless steel

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

Spring: Stainless steel

OPTIONAL EQUIPMENT

and discharge gauge ports

certified dimensions

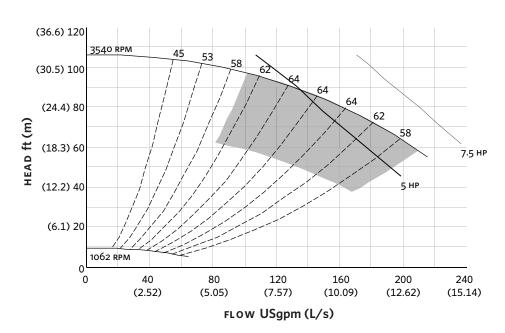
• Tolerance of ±0.125" (±3 mm) should be used

• For exact installation, data please write factory for

• Pump equipped with casing drain plug and 1/4" NPT suction

2

EXTENDED SPEED



Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

DIMENSION DATA

INDOOR (UL TYPE 12/ODP)

Frame size: 184TC

Size: 3×1.5×6

HP: 5

RPM: 1800

на: 14.00 (355)

нв: 30.00 (762)

HC: 30.62 (778)

HD: 8.25 (210)

HE: 6.37 (162)

HF: 13.00 (330)

2HF: 26.00 (660)

HG: 3.00 (76)

HI: 26.47 (672)

HL: 4.50 (114)

HV: 14.49 (368)

NaN1: 2.00 (51) **NaN2:** 7.17 (182)

x: 6.50 (165)

Y: 4.00 (102)

Weight: 334 (151.4)

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

INDOOR



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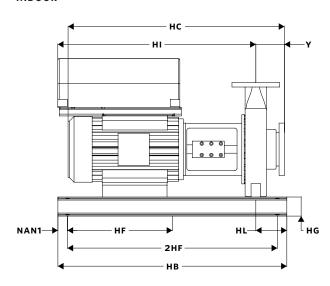
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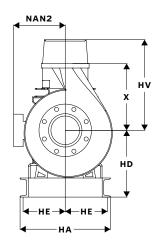
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