

DESIGN ENVELOPE 4200H | END SUCTION BASE MOUNTED SPLIT-COUPLED | 0108-003.0 | SUBMITTAL

File No: 100.3232 Date: APRIL 18, 2016 Supersedes: NEW

Job:		Representative:	
	Orc	der No:	Date:
Engineer:		omitted by:	Date:
Contractor:		proved by:	Date:
PUMP DESIGN DATA		CONTROLS DATA	
No. of pumps: Ta	ag:	Sensorless Control:	: Standard
Capacity:USgpm (L/s) H		to be maintained:	ft (m)*
Liquid: V Temperature:°F (°C) Sp		: Protocol (standard):	□ Modbus RTU □ BACnet™ MS/TP □ Johnson® N2 □ Siemens® FLN
Suction: 1.5"(40mm) Flanged		Protocol (optional):	\square LonWorks $^{\circledR}$
Discharge: 1"(25mm) Tapped holes UL STD 778 & CSA STD C22.2 NO.108 certified		Enclosure:	□ Indoor – UL TYPE 12
		Fused disconnect switch:	
		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: 3 RPM: 1800 Frame size:	182TC Enclosure: TEFC	Cooling:	Fan-cooled through back channel
Volts: Hertz: 60 H	Iz Phase: 3	Ambient temperature:	-10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)
Efficiency: NEMA premium 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)		•	sure is not known: Default to 40% of design head

and discharge gauge ports

• For exact installation, data please write factory for

Pump equipped with casing drain plug and ¼" NPT suction

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

275 psig at 300°F (19 bars at 149°C)

OPTIONAL EQUIPMENT

certified dimensions

MECHANICAL SEAL DATA

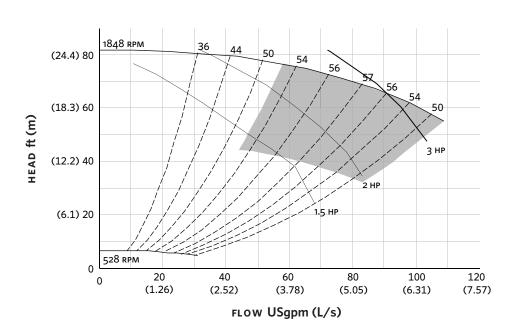
Stationary seat: Sintered silicon carbide Seal type: AB2 Secondary seal: Viton Rotating hardware: Stainless steel

Spring: Stainless steel

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.

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: 182TC

Size: 1.5×1×8

HP: 3

RPM: 1800

HA: 14.00 (355)

HB: 30.00 (762)

HC: 29.62 (752)

HD: 9.25 (235)

HE: 6.37 (162)

HF: 13.00 (330)

2HF: 26.00 (660)

HG: 3.00 (76)

HI: 25.47 (647)

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: 348 (157.6)

Dimensions - inch (mm)

Weight - lbs (kg)

INDOOR



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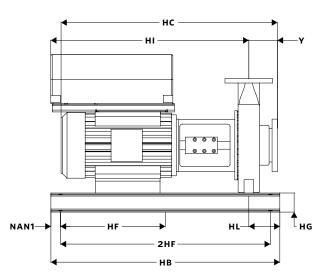
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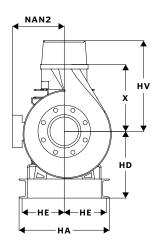
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