

DESIGN ENVELOPE 4200H | END SUCTION BASE MOUNTED SPLIT-COUPLED | 1508-002.0 | SUBMITTAL

File No: 100.3236 Date: APRIL 18, 2016 Supersedes: NEW Date: NEW

Job:		Rep	Representative:	
		Ord	der No:	Date:
Engineer: Contractor:		Sub	omitted by:	
		Арן	proved by:	
PUMP DESIGN DATA			CONTROLS DATA	
No. of pumps:	_ Tag:		Sensorless Control:	Standard
Capacity:USgpm (L/s			to be maintained:	ft (m)*
Liquid:°F (°C			Protocol (standard):	☐ Modbus RTU ☐ BACnet TM MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 3"(75mm) Flanged			Protocol (optional):	\square LonWorks $^{\circledR}$
Discharge: 1.5"(40mm) Flanged			Enclosure:	☐ Indoor – UL TYPE 12
			Fused disconnect switch:	
UL STD 778 & CSA STD C22.2 NO.108 certified MOTOR DESIGN DATA			емі/RFI control:	Integrated filter designed to meet EN61800-3
			Harmonic suppression:	Dual DC-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**
HP: 2 RPM: 1800 Frame	size: 145TC	Enclosure: TEFC	Cooling:	Fan-cooled through back channel
Volts: Hertz:	60 Hz	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 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) 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	

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

certified dimensions

and discharge gauge ports

OPTIONAL EQUIPMENT

• For exact installation, data please write factory for

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

MECHANICAL SEAL DATA

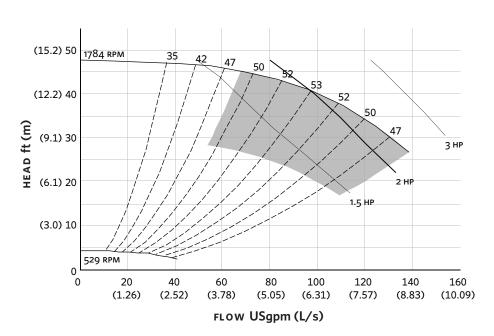
Stationary seat: Sintered silicon carbide Seal type: AB2 Secondary seal: Viton Rotating hardware: Stainless steel

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: 145TC

Size: 3×1.5×8

HP: 2

RPM: 1800

..... 1000

HA: 14.00 (355)

нв: 30.00 (762)

HC: 26.57 (675)

HD: 9.25 (235)

HE: 6.37 (162)

HF: 13.00 (330)

2HF: 26.00 (660)

HG: 3.00 (76)

HI: 25.61 (650)

HL: 4.50 (114)

HV: 13.09 (333)

NaN1: 2.00 (51)

NaN2: 5.90 (150)

x: 8.50 (216)

y: 4.00 (102)

Weight: 343 (155.8)

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

INDOOR



+1 416 755 2291

BUFFALO

+1 716 693 8813

BIRMINGHAM

+44 (0) 8444 145 145

MANCHESTER

+44 (0) 8444 145 145

BANGALORE

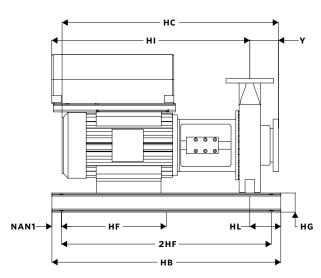
+91 (0) 80 4906 3555

SHANGHAI

+86 21 3756 6696

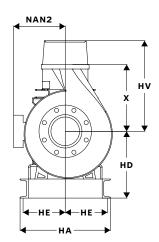
SÃO PAULO

+55 11 4781 5500



ARMSTRONG FLUID TECHNOLOGY

ESTABLISHED 1934



ARMSTRONGFLUIDTECHNOLOGY.COM