

DESIGN ENVELOPE 4200H | END SUCTION BASE MOUNTED SPLIT-COUPLED | 0408-100.0 | **SUBMITTAL**

File No: 100.3288

Date: APRIL 18, 2016

Supersedes: NEW

Date: NEW

Job:		Repre	Representative:	
			No:	Date:
Engineer:			itted by:	Date:
Contractor:		Appro	oved by:	Date:
PUMP DESIGN DATA			CONTROLS DATA	
No. of pumps:	_ Tag:		Sensorless Control:	Standard
Capacity:USgpm (L/s			Minimum system pressure to be maintained:	ft (m)*
Liquid:°F (°C			Protocol (standard):	☐ Modbus RTU ☐ BACnet™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN
Suction: 6"(150 mm) Tapped holes			Protocol (optional):	\square LonWorks $^{ ext{ iny B}}$
Discharge: 4"(100mm) Flanged			Enclosure:	☐ Indoor – UL TYPE 12
3 1			Fused disconnect switch:	
UL STD 778 & CSA STD C22.2 NO.108 certified MOTOR DESIGN DATA			EMI/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**
нр: 100 крм: 3600 Frame	size: 405TSC	Enclosure: TEFC	Cooling:	Fan-cooled through back channel
Volts: Hertz:		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)			*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	

**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.

: MECHANICAL SEAL DATA

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

Spring: Stainless steel

OPTIONAL EQUIPMENT

and discharge gauge ports

certified dimensions

275 psig at 300°F (19 bars at 149°C)

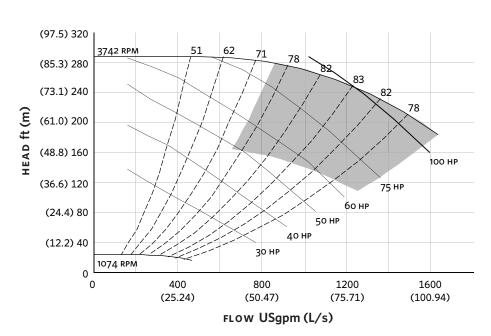
• Tolerance of ±0.125" (±3 mm) should be used

• For exact installation, data please write factory for

Pump equipped with casing drain plug and ¼" 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: 405TSC

Size: 6×4×8

нр: 100

RPM: 3600

HA: 18.94 (481)

HB: 58.00 (1473)

HC: 50.77 (1290)

HD: 15.60 (396)

HE: 8.84 (225)

HF: 27.00 (686)

2HF: 54.00 (1372)

HG: 4.00 (102)

HI: 47.75 (1213)

HL: 4.50 (114)

HV: 24.96 (634)

NaN1: 2.00 (51)

NaN2: 15.90 (404)

x: 11.00 (279)

Y: 4.00 (102)

Weight: 1533 (695.6)

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

INDOOR

NAN1→

TORONTO

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BUFFALO

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MANCHESTER

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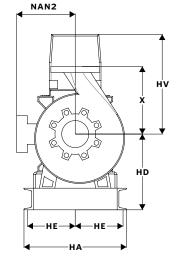
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НВ



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