

DESIGN ENVELOPE 4200H | END SUCTION BASE MOUNTED SPLIT-COUPLED | 0511-010.0 | SUBMITTAL

File No: 100.3328

Date: APRIL 18, 2016

Supersedes: NEW

Date: NEW

Job: R		Representative:		
	C	Order No:	Date:	
Engineer:		ubmitted by:	Date:	
Contractor: Appro		approved by:	Date:	
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™ MS/TP☐ Johnson® N2 ☐ Siemens® FLN	
Suction: 6"(150mm) Flanged		Protocol (optional):	: □ LonWorks®	
Discharge: 5"(125mm) Flanged		Enclosure:	: ☐ Indoor – UL TYPE 12	
		Fused disconnect switch:	: 🗆	
UL STD 778 & CSA STD C22.2 NO.1	o8 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: 10 RPM: 1200 Frame size	: 256тс Enclosure: тегс	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)		**The IVS 102 drive is a low harmonic	*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 quaranty 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

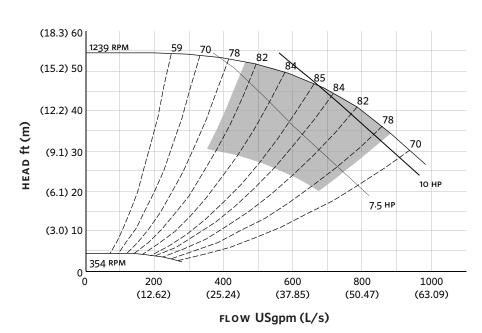
• Tolerance of ±0.125" (±3 mm) should be used

• 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: 256TC

Size: 6×5×11.5

HP: 10

RPM: 1200

HA: 18.94 (481)

HB: 48.00 (1219)

HC: 40.32 (1024)

HD: 14.00 (356)

HE: 8.84 (225)

HF: 22.00 (559)

2HF: 44.00 (1118)

HG: 4.00 (102)

ни: 29.65 (753)

HL: 6.50 (165) **HV:** 15.42 (392)

NaN1: 2.00 (51)

NaN2: 10.10 (257)

x: 14.00 (356)

y: 6.00 (152)

Weight: 849 (385.0)

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

INDOOR



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MANCHESTER

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BANGALORE

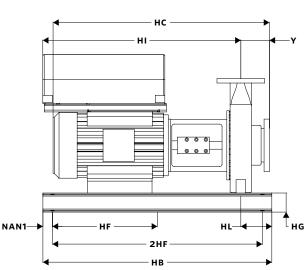
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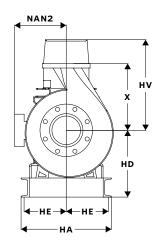
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