

DESIGN ENVELOPE 4200H | END SUCTION BASE MOUNTED | SINGLE PHASE | 0410S007.5 | SUBMITTAL

File No: 100.3456 Date: APRIL 18, 2016 Supersedes: NEW

300.			Kepie	Scritative.		
			Order	No:	Date:	
Engineer:			Subm	itted by:	Date:	
Contractor:			Appro	oved by:	Date:	
PUMP DESIGN	DATA			CONTROLS DATA		
No. of pumps:		Tag:		Power supply:	Volts: 200-240\	
Capacity:	_USgpm (L/s)	Head:	ft (m)	: Sensorless control:	Freq: 50/60Hz Standard	Phase: 1
Liquid:		Viscosity:		Minimum system pressure		
Temperature:	°F (°C)	Specific gravity:		to be maintained:	·	ft (m)*
Suction: 5"(125mm) Tapped holes				Protocol (standard):		☐ BACnet™ MS/TP ☐ Siemens® FLN
Discharge: 4"(100mm) Flanged				Protocol (optional):	: □ LonWorks®	
UL STD 778 & CSA STD C22.2 NO.108 certified MOTOR DESIGN DATA				Enclosure:	: ☐ Indoor – UL TYPE 12	
				Disconnect switch:	: □ Non-fused	
				емі/RFI control:	: 1-phase IVS102 units do not meet the EN61800-3 directive	
		РМ: 1200 Frame size: 254TC		Harmonic suppression:	Dual Dc-link reactors (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements**	
Enclosure: TEFC	Volts: 208	Freq: 60 Hz		Cooling		ugh back channel
Phase: 3	Phase: 3 Efficiency: NEMA premium 12.12			:	: -10°C to +45°C up to 1000 meters above sea level (-14°F to +113°F, 3300 ft)	
MAXIMUM PUMP OPERATING CONDITIONS				Analog ı/o:	: Two current or voltage inputs, one current output	
ANSI 125				Digital ı/o:	Six programmable inputs (two can be configured as outputs)	
175 psig at 140°F (12 bars at 60°C)				: Dulas innutas	Two programmable	

Representative:

*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 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.

Pulse inputs: Two programmable

Relay outputs: Two programmable

Communication port: 1-RS485, 1-USB

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

100 psig at 300°F (7 bars at 149°C)

375 psig at 100°F (26 bars at 38°C)

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

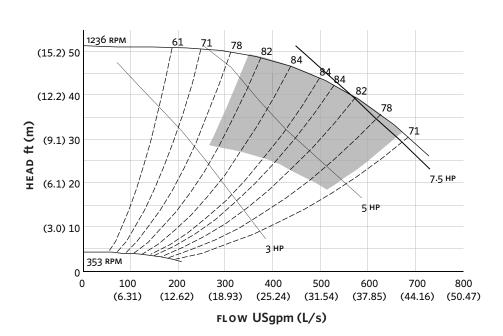
• Pump equipped with casing drain plug and 1/4" NPT suction

ANSI 250

loh:

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: 254TC

Size: 5×4×10

HP: 7.5

RPM: 1200

1200

HA: 16.00 (406)

нв: 40.00 (1016)

нс: 36.63 (930)

HD: 13.00 (330)

HE: 7.37 (187)

HF: 18.00 (457)

2HF: 36.00 (914)

HG: 3.00 (76)

HI: 31.84 (809)

HL: 4.50 (114)

HV: 17.67 (449)

NaN1: 2.00 (51)

NaN2: 10.10 (257)

x: 12.50 (318)

Y: 4.00 (102)

Weight: 726 (329.1)

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

INDOOR



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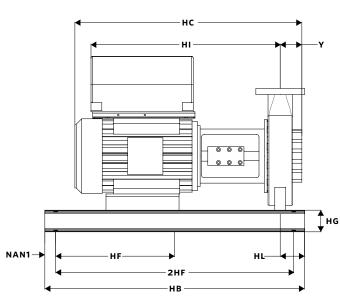
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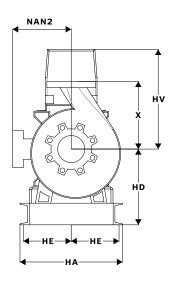
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