

DESIGN ENVELOPE 4200H | END SUCTION BASE MOUNTED SPLIT-COUPLED | 0408-010.0 | SUBMITTAL

File No: 100.3274

Date: APRIL 18, 2016

Supersedes: NEW

Date: NEW

Job:		Rep	Representative:		
		Ord	der No:	Date:	
Engineer:			omitted by:	Date:	
Contractor:		Арן	proved 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			: Protocoi (standard):	: ☐ Modbus rtu ☐ BACnet™ MS/TP ☐ Johnson® N2 ☐ Siemens® FLN	
Suction: 6"(150 mm) Tapped holes			Protocol (optional):	: \square LonWorks $^{ ext{@}}$	
Discharge: 4"(100mm) Flanged 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 pc-link reactors (Equivalent: 5% Ac line reactor) Supporting IEEE 519-1992 requirements**	
HP: 10 RPM: 1800 Frame	size: 215TC	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)			•	sure is not known: Default to 40% of design head drive via built-in pc line reactors. This does not	

MECHANICAL SEAL DATA

and the costs for such mitigation.

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

Spring: Stainless steel

OPTIONAL EQUIPMENT

and discharge gauge ports

certified dimensions

275 psig at 300°F (19 bars at 149°C)

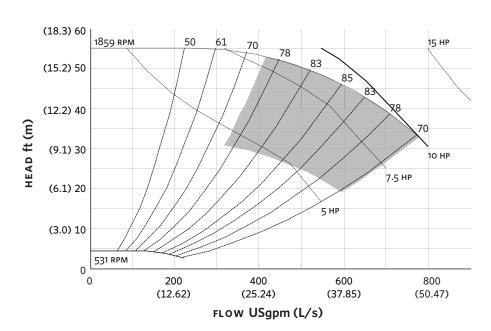
• Tolerance of ±0.125" (±3 mm) should be used

• For exact installation, data please write factory for

Pump equipped with casing drain plug and ¼" NPT suction

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EXTENDED SPEED



Performance curves are for reference only.

Confirm current performance data with Armstrong ACE Online selection software.

ARMSTRONG FLUID TECHNOLOGY

ESTABLISHED 1934

DIMENSION DATA

INDOOR (UL TYPE 12/ODP)

Frame size: 215TC

Size: 6×4×8

HP: 10

RPM: 1800

HA: 14.00 (355)

нв: 33.00 (838)

нс: 33.78 (858)

1161 33.70 (030)

HD: 11.25 (286)

HE: 6.37 (162)

HF: 13.00 (330)

2HF: 29.00 (737)

HG: 3.00 (76)

HI: 29.54 (750)

HL: 4.50 (114)

HV: 14.42 (366)

NaN1: 2.00 (51)

NaN2: 7.95 (202)

x: 11.00 (279)

Y: 4.00 (102)

Weight: 526 (238.8)

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

INDOOR



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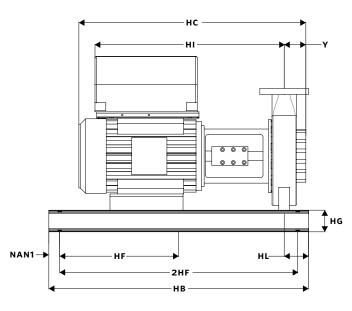
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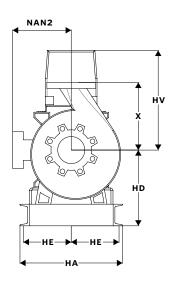
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