

PC3F2699IUF00 Hydronic Circulating 3 Speed Pump

SPECIFICATION DATA



APPLICATION

The PC3F in-line, wet rotor circulator with universal flange is designed for applications in closed-loop hydronic heating and cooling systems, as well as in solar-powered systems. The pump is non-submersible and for use in dry, frost-free, well-ventilated installations.

SPECIFICATIONS

Rate of flow: up to 34 gpm (128.7 lpm)

Pressure head: up to 31 ft (9 m)

Voltage:
115VAC +/-10% 60hz

Amperage: See "Speed switching" on page 2.

Max. Pressure:
145 psi (at room temperature);
50 psi (at 200°F [93°C])

Temperature Range:
Ambient temperature: 32°F to 104°F (0°C to 40°C)
Media temperature: 14°F to 230°F (-10°F to 110°C) [to 200°F (93°C) with optional check valve installed]

Storage Temperature: -40°F to 100°F (-40° to 66°C)

Standards:
Insulation Class F
Temperature Class FT 95

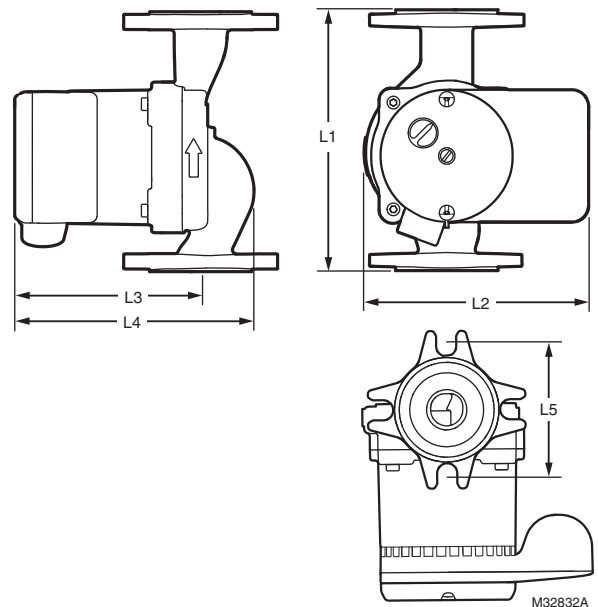


Fig. 1. Pump dimensions in in. (mm).

L1	L2	L3	L4	L5
6.5 (165.5)	6.1 (155)	6.5 (165.5)	7.75 (197)	3.2 (80.2)

Shipping weight: 9.5 lbs (4.32 Kg)

Materials

Component	Material
Pump body	Cast iron
Impeller	Polyamide
Shaft	Ceramic
Bearing	Ceramic
Bearing plate	Stainless steel
Can	Stainless steel

Control: 3-step switch with manual speed selection

Motor protection

The motor includes an internal thermal overload protection.
External motor protection is not required.

Speed switching

Three speed, with manual selector.

Speed	Volts	Amps	Watts
1	115	1.09	125
2		1.52	175
3		1.78	205

Flange Connections

Universal flange

Bolt hole spacing 3-5/32 in. (80.2 mm)

Bolt holes 1/2 in. (12.7 mm)

Media

Clean water or water with up to 20% glycol. Up to 50% glycol may be used, but flow characteristics will differ from these specifications.

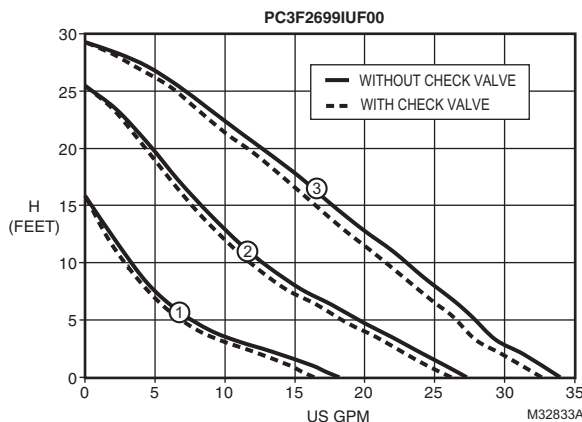


Fig. 2. Flow curve characteristics.

Optional and Replacement Parts

Check valves: PCV125

Flange gasket: PCG100

Table 1. Cross Reference for Pump Replacement

Honeywell			Grundfos		Taco		Bell & Gossett	Armstrong	Wilco	
Model	Pump Length	Speed	Single Speed	3-Speed	Single Speed	3-Speed			Single Speed	3-Speed
PC3F2699IUF00	6.5"	High	UP26-96F UP26-96F-FC UP26-116F UP26-116F-FC	UPS26-99 High UPS26-99-FC High	0011F 0011F-IFC 0013F 0013F-IFC		NRF-36 Med NRF-45 Med H-41	E7 Astro 50 Astro 50-3	Star 30F Star 32F	S21 High
		Medium	UP26-64F UP26-99FC	UPS26-99 Low UPS26-99-FC Low	0014F 0014F-IFC				Star 17 FX	S21 Med
		Low					NRF-33			Star S21 Low

The information in this table is based on publicly available information as of the date of this publication. Honeywell is not liable if information is found to be incorrect.

If the cross-referenced model uses a flow check valve, then use a flow check with the Honeywell model as well.

Each Honeywell circulator replaces both regular and rotated flange models.

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