

AquaPUMP™ Hydronic Circulating Pumps

SUBMITTAL SHEET

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

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.

Standards:
Insulation Class F
Temperature Class: TF95

Approvals: UL/cUL 778, File number 4MX8

Temperature, electrical, and pressure specifications are available on reverse side (ADDITIONAL SPECIFICATIONS).



VALVE MATERIALS

Casing: Cast Iron

Motor Housing: Aluminum

Impeller: PP GF50

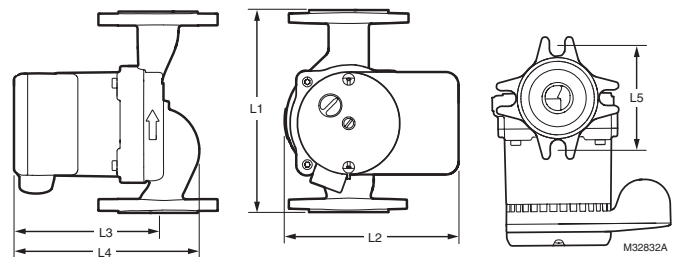
Shaft: Ceramic

O-Ring/Flange Gaskets: EPDM Rubber

Bearings: Ceramic

Bearings Plate: Stainless Steel

Motor Cap: Stainless Steel



Product Number	Max. Flow		Max. Pressure Head		Connections		Weight lbs. (kg)	Dimensions				
	GMP	LPM	Feet	Meters	Bolt Hole Spacing	Bolt Hole		L1 in. (mm)	L2 in. (mm)	L3 in. (mm)	L4 in. (mm)	L5 in. (mm)
PC3F1558IUF00	15	55.6	19.4	6	3-5/32 in. (80.2 mm)	1/2 in. (12.7 mm)	7.8 (3.54)	6.5 (165.5)	5.5 (140)	4.7 (118)	6.6 (167)	3.2 (80.2)
PC3F2699IUF00	34	92.7	31	9	3-5/32 in. (80.2 mm)	1/2 in. (12.7 mm)	9.5 (4.32)	6.5 (165.5)	6.1 (155)	6.5 (165.5)	7.75 (197)	3.2 (80.2)
PC3F4344IUF00	59	170	17	5.2	3-7/16 in. (87.3 mm)	1/2 in. (12.7 mm)	11 (5)	8.5 (216)	6.1 (155)	6.9 (174)	8.9 (227)	3.4 (87.3)

Job Name _____
 Engineer _____
 Mechanical Contractor _____
 Contractor's P.O. No. _____
 Representative _____
 Notes _____

Model(s)	Qty.	GPM	Head	Speed
PC3F1558IUF00	_____	_____	_____	_____
PC3F2699IUF00	_____	_____	_____	_____
PC3F4344IUF00	_____	_____	_____	_____

Approval _____
 Service _____
 Tag No. _____

FLOW CHART DESCRIPTION

Electrical Data

Model	Speed 1		Speed 2		Speed 3	
	Power	Current	Power	Current	Power	Current
PC3F1558IUF00	32W	0.28A	55W	0.48A	85W	0.74A
PC3F2699IUF00	125W	1.09A	175W	1.52A	205W	1.78A
PC3F4344IUF00	145W	1.26A	185W	1.61A	210W	1.83

Optional and Replacement Parts

Pump Model	Check Valve	Gasket
PC3F1558IUF00	PCV100	PCG100
PC3F2699IUF00	PCV125	PCG100
PC3F4344IUF00	PCV150	PCG150

ADDITIONAL SPECIFICATIONS

Temperature Range:

Ambient: 32°F to 104°F (0° to 40°C)

Storage: -40°F to 100°F (-40° to 38°C)

Water: 14°F to 230°F (-10° to 110°C)

[to 200°F (93°C) with optional check valve installed]

Electrical:

115VAC +/- 10% 60Hz

Internal thermal overload protection

Amperage: See Electrical Data Table above.

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

Min. Inlet Pressure:

167°F (75°C): 0.73 psi

194°F (90°C): 4.1 psi

Sound: Less than 43 dB(A) at 3.3 feet (1 meter)

FLOW CURVES

