

PRODUCT DATA SHEET

High Efficiency Bronze Hot Water Recirculation Pump

Stock code: BRZPUMPHE





Features:

ERP Compliant

Bronze pump body

• E.E.I. < 0.20

Energy efficient

Auto-adapts 5—40W

Low noise level < 43dB@

• Dims: 130 x 130 x 128mm

• Connection: 1.5" G1 flange

• 130mm Across Ports

Output: Max. 6m head

Power: Auto-adjusting,

5-40 Watts

Noise level: < 42 dB(A)

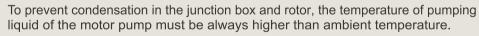
• Max Flow Rate: 3.0 m³/ hour

(0.833 litres per second)

The BRZPUMPHE is an advanced, high-efficiency permanent magnet canned-motor pump designed for secondary hot water recirculation in domestic heating systems. This pump is equipped with a differential pressure controller, which allows the BRZPUMPHE to intelligently adapt its power consumption to the system's current demand when in automatic mode. This means it dynamically adjusts its power input to precisely meet the system's needs.

Alternatively, for users who prefer manual control, the BRZPUMPHE can be set to a constant speed setting. This setting provides a range between a minimum power consumption of 5 Watts and a maximum of 40 Watts, giving you flexibility in how you manage your secondary hot water recirculation.

| Power Supply Voltage | 1 x 230V +6%/-10%, 50/60Hz, PE | | |
|------------------------|--|------------------------|--|
| Motor Protection | The pump needs no external protection | | |
| Degree of Protection | IP44 | | |
| Insulation Class | Н | | |
| Relative Humidity (RH) | Max. 95% | | |
| System Load Bearing | 1.0 MPa | | |
| Suction Port Pressure | Liquid temperature | Minimum Inlet Pressure | |
| | ≤ 85°C | 0.005 MPa | |
| | ≤ 90°C | 0.028 MPa | |
| | ≤ 110°C | 0.100 MPa | |
| EMC Standard | EN61000-3-2 & EN61000-3-3 EN55014-1 & EN55014-2 | | |
| Sound Pressure Class | The sound pressure level of pump is lower than 42db | | |
| Ambient Temperature | 0 - +40°C | | |
| Temperature Grade | TF110 | | |
| Surface Temperature | The maximum surface temperature is not higher than 125°C | | |
| Liquid Temperature | +2 - +110°C | | |



| Ambient | Liquid Temperature | |
|------------------|--------------------|-----------|
| Temperature (°C) | Min. (°C) | Max. (°C) |
| 0 | 2 | 110 |
| 10 | 10 | 110 |
| 20 | 20 | 110 |
| 30 | 30 | 110 |
| 35 | 35 | 110 |
| 40 | 40 | 110 |

For domestic hot water, it is suggested that water temperature should remain below 65°C to reduce scalding.



Bronze Recirculation Pump: BRZPUMPHE TFC GROUP LLP



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