PRODUCT DATA SHEET

High Efficiency Central Heating Canned-Motor Pump

Stock code: APUMPHE

The APUMPHE is a high-efficiency permanent magnet canned-motor centralh e a t i n g pump, for circulation of the primary water in a domestic heating system. Equipped with a differential pressure controller, the APUMPHE(when in auto setting) continuously adjusts its power input according to system load, to match the pump power to the system requirement. Alternatively, if required the installer or user can set the pump on a constant speed setting, between Min 5 Watts & Max 40 Watt levels.

Features:

- **ERP Compliant**
- **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: < 43 dB(A)**
- **Max Flow Rate: 3.0 m³/ hour**

Power Supply Voltage	220V-240V,50/60Hz,PE	
Motor Protection	The pump needs no external protection	
Degree of Protection	IP 44	
Insulation Class	H	
Relative Humidity RH°C	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 and EN61000-3-3 EN55014-1 and EN55014-2	
Sound Pressure Class	The sound pressure level of pump is lower than 42dB(A)	
Ambient Temperature	0~+40°C	
Temperature	TF110	
Grade Surface	The maximum surface temperature is not higher than +125°C	
Temperature	+2 ~ +110°C	

Liquid Temperature

To prevent condensation in the junction box and rotor, the temperature of pumping liquid of the motor pump must be always higher than ambient temperature.

Ambient Temperature (°C)	Liquid Temperature	
	Min. (°C)	Max. (°C)
0	2	110
10	10	110
20	20	110
30	30	110
35	35	90
	40	70

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

ISO 9001:2015 Quality Management
Cert No: RS 30178
QR057

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