

Qty. Description

1 ALPHA1 25-80 180



Note! Product picture may differ from actual product

Product No.: [99199577](#)

High-efficiency circulators, designed for circulating liquids in heating systems.

With an energy efficiency index (EEI) at the ErP benchmark for most efficient circulators it contributes to energy savings.

The ideal choice for basic functionality needs.

Features

- Intuitive one-button operation makes selection of any control mode simple
- No external motor protection required reducing installation time
- High-torque start improves startup under harsh conditions
- Maintenance free and noiseless due to canned-rotor design and use of robust components
- ALPHA plug makes electrical installation quick, safe and easy
- Insulating shells are supplied with pumps to minimize heat loss in heating systems

The pump also features three control modes - each with three settings

- proportional-pressure control
- constant-pressure control
- constant-curve mode

The display shows the actual power consumption in Watts. LEDs indicate the actual operating status.

The pump has a ceramic shaft and radial bearings, carbon thrust bearing, stainless-steel rotor can, bearing plate and rotor cladding, composite impeller, all of which contribute to long life.

The pump is self-venting through the system, which contributes to easy commissioning. The compact design featuring pump head with integrated control box and control panel fits into most common installations.

The pump housing is made of cast iron and electrocoated to improve the corrosion resistance.

The motor is a synchronous permanent-magnet/compact-stator motor characterized by high efficiency.

The pump speed is controlled by an integrated frequency converter incorporated in the control box.

Liquid:

Pumped liquid: Heating water

Liquid temperature range: 2 .. 110 °C

Density: 983.2 kg/m³

Technical:

Actual calculated flow: 0.732 m³/h

Resulting head of the pump: 76.54 kPa

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1	<p>TF class: 110</p> <p>Approvals on nameplate: CE,VDE</p> <p>Materials:</p> <p>Pump housing: Cast iron EN 1561 EN-GJL-150 ASTM ASTM A48M-150B</p> <p>Impeller: Composite PES 30% GF + PESU-GF20%</p> <p>Installation:</p> <p>Range of ambient temperature: 0 .. 40 °C</p> <p>Maximum operating pressure: 10 bar</p> <p>Type of connection: G</p> <p>Size of connection: 1 1/2 inch</p> <p>Pressure rating: PN 10</p> <p>Port-to-port length: 180 mm</p> <p>Electrical data:</p> <p>Power input - P1: 3 .. 50 W</p> <p>Mains frequency: 50 / 60 Hz</p> <p>Rated voltage: 1 x 230 V</p> <p>Maximum current consumption: 0.04 .. 0.44 A</p> <p>Enclosure class (IEC 34-5): X4D</p> <p>Insulation class (IEC 85): F</p> <p>Others:</p> <p>Energy (EEI): 0.20</p> <p>Net weight: 2.01 kg</p> <p>Gross weight: 2.17 kg</p> <p>Shipping volume: 0.004 m³</p> <p>Swedish RSK No.: 5758806</p> <p>Finnish LVI No.: 4615328</p> <p>Norwegian NRF no.: 9043125</p> <p>Country of origin: DK</p> <p>Custom tariff no.: 84137030</p>
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