

Qty. Description

1 ALPHA3 25-60 180



Note! Product picture may differ from actual product

Product No.: [99371959](#)

High efficiency canned-rotor circulator, designed for circulating liquids in heating systems. With a world-class energy efficiency index (EEI) well below the ErP benchmark it ensures substantial energy savings.

The ALPHA3 has built-in Bluetooth radio and is completely controlled by a smart device via Grundfos GO Remote App. It gives step by step assistance to pump configuration, maintenance and commissioning.

The ALPHA3 communicates directly with the Grundfos GO Balance App, which enables the installers to perform fast and easy hydronic balancing.

The AUTOADAPT function which is integrated in the radiator and underfloor mode continuously adjusts the pump performance to the actual heat demand, i.e. the size of the system and the changing heat demand during the year. The AUTOADAPT feature will find the setting that provides optimal comfort with minimal energy consumption. In that, it also makes the commissioning fast, safe, and easy.

Features

- Radiator mode with AUTOADAPT the simple choice for two-string radiator heating systems
- Underfloor mode with AUTOADAPT the simple choice for underfloor heating systems
- Combined radiator and underfloor mode for systems with a combination of heating systems
- In scheduling and summer mode a realtime clock makes it possible to select when the pump should operate and not to save energy
- Simple user interface - the pump is completely operated from the Grundfos GO Remote App
- Alarm and warning log with assistance via Grundfos Go Remote
- No external motor protection required reducing installation time
- High-torque start improves startup under harsh conditions
- Dry-run protection during startup and normal operation
- Maintenance free due to canned-rotor design and use of robust components
- ALPHA plug makes electrical installation quick and easy
- Insulating shells are supplied with pumps to minimize heat loss in heating systems

In addition, the pump also features three control modes with incremental set point adjustment which makes it possible to adjust pump setting to a given duty point:

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

Qty. Description

The display shows the actual power consumption in Watts or actual flow in m³/h. LEDs indicate the actual operating status.

The design of the pump and chosen materials contribute to long life. The pump is self-venting through the system, which contributes to easy commissioning. The compact design, featuring a pump head with an integrated control box, fits into most common installations. Pump and motor form an integral unit without a shaft seal. The bearings are lubricated by the pumped liquid. These constructional features ensure maintenance-free operation.

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

The motor is a synchronous permanent-magnet motor characterized by high efficiency. The pump speed is controlled by an integrated frequency converter incorporated in the control box.

The benchmark for the most efficient circulators is EEI 0.20.

Liquid:

Pumped liquid: Water
 Liquid temperature range: 2 .. 110 °C
 Selected liquid temperature: 60 °C
 Density: 983.2 kg/m³

Technical:

TF class: 110
 Approvals on nameplate: VDE,CE,EAC

Materials:

Pump housing: Cast iron
 EN-GJL-150
 ASTM A48-150B
 Impeller: PES 30%GF

Installation:

Range of ambient temperature: 0 .. 40 °C
 Maximum operating pressure: 10 bar
 Pipe connection: G 1 1/2
 Pressure rating: PN 10
 Port-to-port length: 180 mm

Electrical data:

Power input - P1: 3 .. 34 W
 Mains frequency: 50 / 60 Hz
 Rated voltage: 1 x 230 V
 Maximum current consumption: 0.04 .. 0.32 A
 Enclosure class (IEC 34-5): X4D
 Insulation class (IEC 85): F

Others:

Energy (EEI): 0.17
 Net weight: 2.05 kg
 Gross weight: 2.18 kg
 Shipping volume: 0.004 m³
 Danish VVS No.: 380474260
 Swedish RSK No.: 5758793
 Finnish LVI No.: 4615321
 Norwegian NRF no.: 9043181