

**Anz. Beschreibung**

1 ALPHA1 L 25-60 180



Hinweis! Abbildung kann vom Produkt abweichen.

Produktnr.: [99160584](#)

Grundfos ALPHA1 L 25-60 180 is a high-efficiency circulator pump with permanent-magnet motor (ECM technology).

The pump features three control modes; radiator heating mode, underfloor heating mode and constant curve/constant speed.

Furthermore, the speed can be controlled by a low-voltage PWM (Pulse Width Modulation) signal.

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, and the pump is self-venting, which contributes to easy commissioning as well as simple selection of control mode.

The compact design featuring pump head with integrated control box and control panel fits into most common installations as well as boilers.

The pump and motor form an integral unit without shaft seal. The pump is of the wet-runner design. This means the bearings are lubricated by the pumped liquid. These constructions ensure maintenance-free operation.

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

The motor is a synchronous permanent-magnet rotor/compact-stator motor. The pump controller is incorporated in the control box, which is fitted to the stator housing and connected to the stator via a terminal plug.

**Features ALPHA1 L**

- Three constant curves/constant speed.
- Radiator heating mode.
- Underfloor heating mode.
- PWM profile for heating applications (profile A). The PWM signal is a method for generating an analog signal using a digital source.
- Energy-optimised, complies with the ErP directive
- Unblocking screw, accessible from the front of the control box.
- Runs reliably and efficiently under even the most demanding conditions
- Adjustable and flexible installer plug, with two possible cable gland positions.

Fördermedium:

Fördermedium: Wasser

Medientemperaturbereich: 2 .. 95 °C

Medientemperatur während des Betriebs: 60 °C

Dichte: 983.2 kg/m<sup>3</sup>

Technische Daten:

Temperaturklasse: 95

Prüfkennzeichen auf dem Typenschild: VDE,CE,EAC,SEPRO

Werkstoffe:

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1	<p>Pumpengehäuse: Grauguß EN 1561 EN-GJL-150 ASTM ASTM A48-150B</p> <p>Laufwerkstoff: Verbundwerkstoff Laufwerkstoff: PES+30% GF</p> <p>Installation: Umgebungstemperatur: 0 .. 55 °C Max. Betriebsdruck: 10 bar Anschlusstyp: G Anschlussgröße: 1 1/2 inch Nennndruck: PN 10 Einbaulänge: 180 mm</p> <p>Elektrische Daten: Leistungsaufnahme P1: 4 .. 45 W Netzfrequenz: 50 / 60 Hz Bemessungsspannung: 1 x 230 V Maximale Stromaufnahme: 0.05 .. 0.42 A Schutzart (gemäß IEC 34-5): X4D Wärmeklasse (IEC 85): F</p> <p>Sonstiges: Energieeffizienzindex (EEI): 0.20 Nettogewicht: 2.06 kg Bruttogewicht: 2.2 kg Versandvolumen: 0.004 m³</p>