Naziv podjetja:
Pripravil:
Telefon:

Datum: 26. 04. 2019

Kol.	Opis
1	**ALPHA1 L 32-40 180**

Opozorilo! Slika proizvoda je simbolična

Št. proizvoda: 99199613

Grundfos ALPHA1 L 32-40 180 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.

Tekočina:

Črpana tekočina:	Voda
Razpon temperature tekočine:	2 .. 95 °C
Temp.tekočine med delovanjem:	60 °C
Specifična teža:	983.2 kg/m³

Tehnični podatki:

TF razred:	95
Odobritve na napisni tablici:	CE,VDE,EAC

Materiali:

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Kol.	Opis	
	Ohišje črpalke:	Siva litina EN 1561 EN-GJL-150 ASTM A48-150B
	Tekač:	Kompozit/PES 30 % GF
	Montaža:	
	Razpon temperature okolice:	0 .. 55 °C
	Maks. delovni tlak:	10 bar
	Cevni priključek:	G 1 1/2
	Tlačna ocena:	PN 10
	Vgradna dolžina:	180 mm
	Električni podatki:	
	Vhodna moč - P1:	4 .. 25 W
	Omrežna frekvenca:	50 Hz
	Nominalna napetost:	1 x 230 V
	Maksinalna poraba toka:	0.05 .. 0.26 A
	Razred zaščite (IEC 34-5):	X4D
	Izolacijski razred (IEC 85):	F
	Drugo:	
	Energija (EEI):	0.20
	Neto teža:	2.3 kg
	Bruto teža:	2.44 kg
	Transportni volumen:	0.004 m^3