

Inschrijving tekst



Opm. De foto kan afwijken van het eigenlijke product

Artikelnr.: [99160590](#)

Grundfos ALPHA1 L 32-60 180 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.

Vloeistof:

Te verpompen medium: Water
Bereik vloeistoftemperatuur: 2 .. 95 °C
Liquid temperature during operation: 60 °C
Dichtheid: 983.2 kg/m³

Technisch:

TF klasse: 95
Keurmerken op typeplaat: CE, VDE

Materialen:

Pomphuis: Gietijzer
EN 1561 EN-GJL-150
ASTM A48-150B
Waaier: Composite/PES 30 % GF

Installatie:

Reeks van omgevingstemperaturen: 0 .. 55 °C
Maximale bedrijfsdruk: 10 bar
Leidingaansluiting: G 2
Druktrap: PN 10
Inbouwlengte: 180 mm

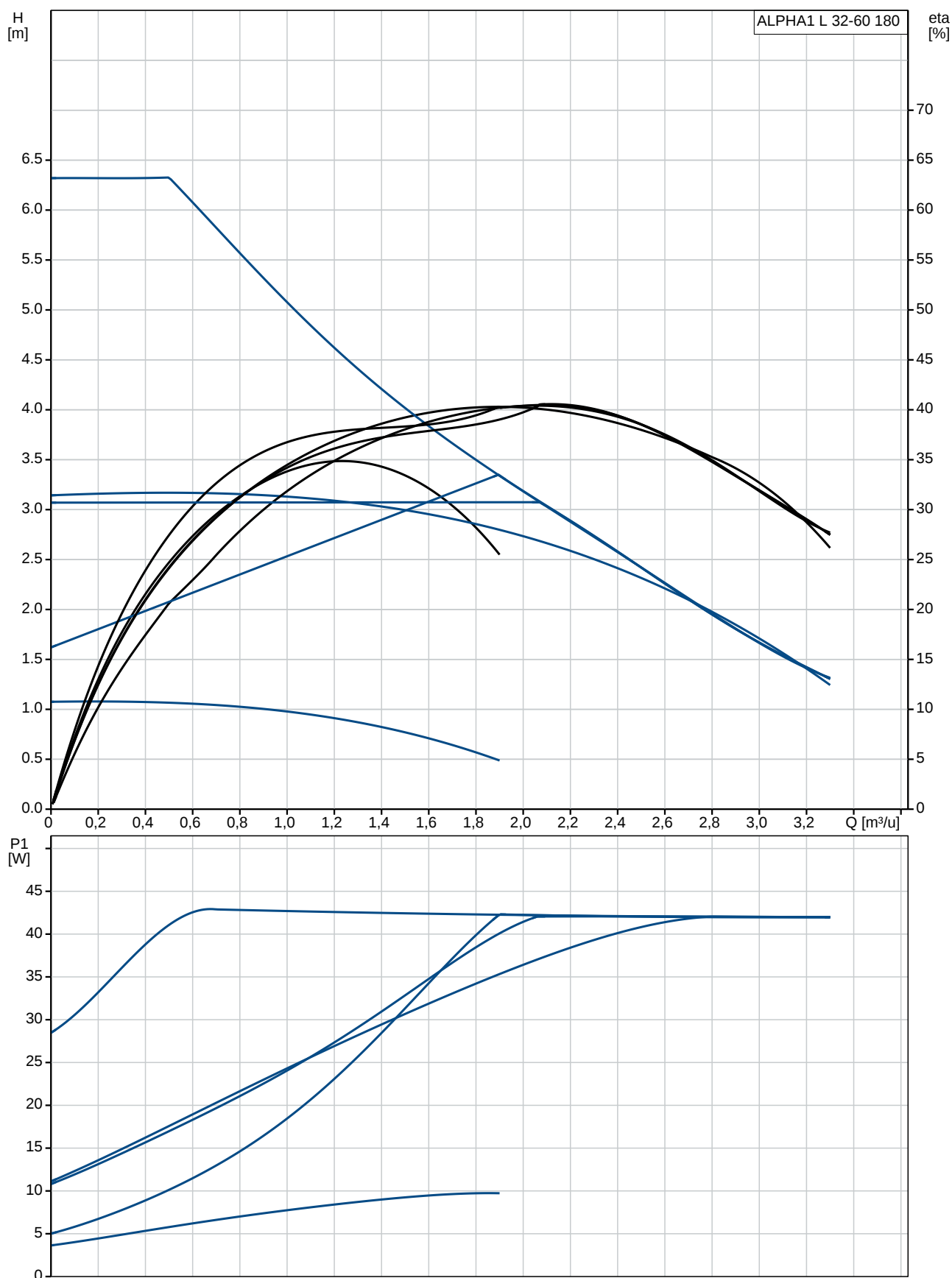
Elektrische gegevens:

Vermogen - P1: 4 .. 45 W
Netfrequentie: 50 Hz
Nominale spanning: 1 x 230 V
Maximum stroomverbruik: 0.05 .. 0.42 A
Dichtheidsklasse (IEC 34-5): X4D
Insolatie klasse (IEC 85): F

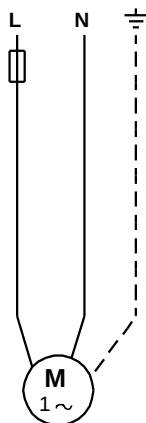
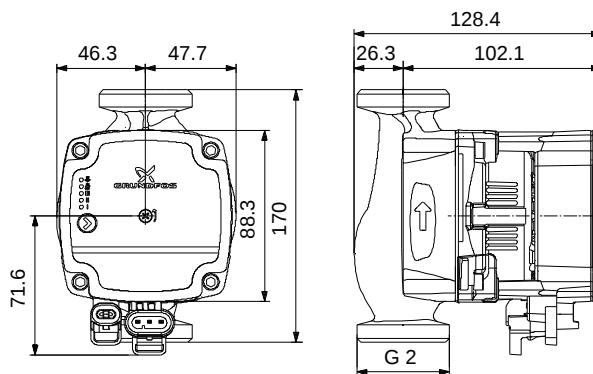
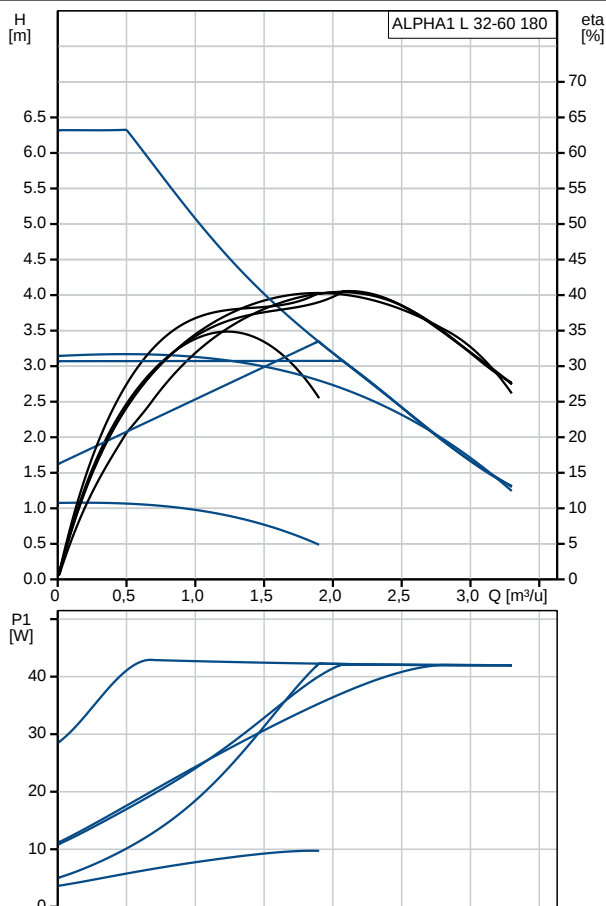
Overige:

Energie (EEI): 0.20
Netto gewicht: 2.36 kg
Bruto gewicht: 2.64 kg
Transportvolume: 0.004 m³

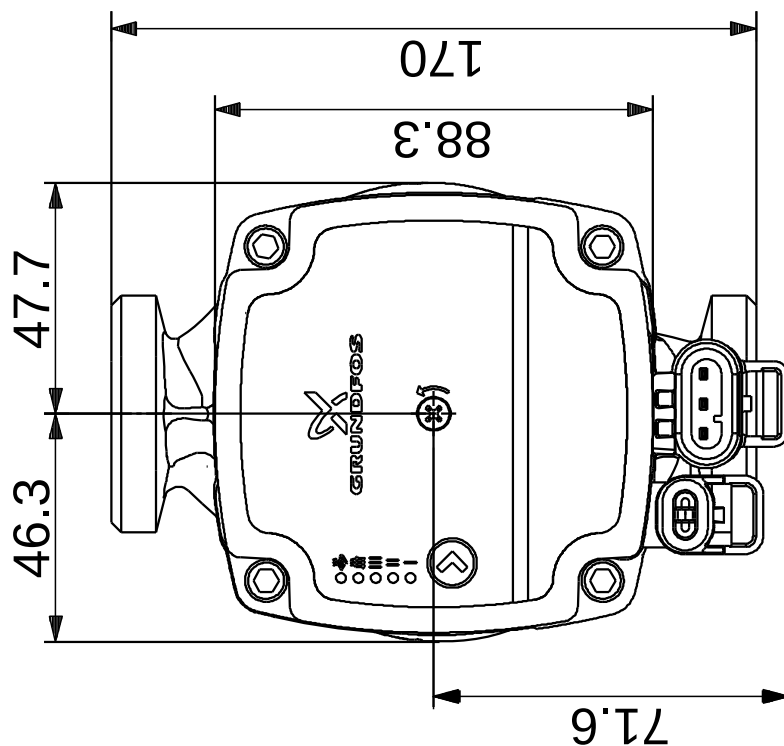
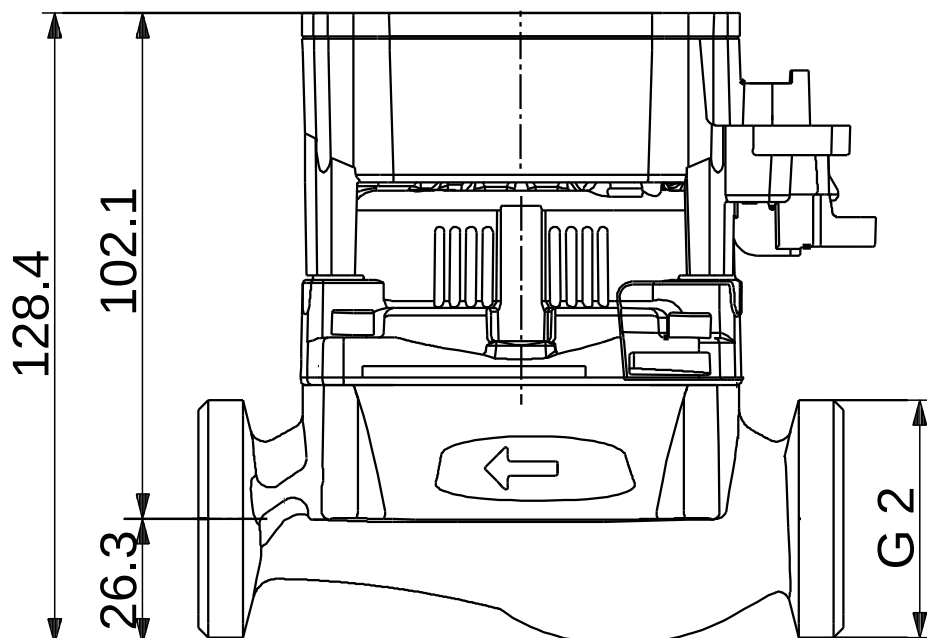
99160590 ALPHA1 L 32-60 180 50 Hz



Omschrijving	Specificatie
Algemene informatie:	
Productnaam::	ALPHA1 L 32-60 180
Artikelnummer::	99160590
EAN nummer::	5712607862879
Technisch:	
Max. opvoerhoogte:	60 dm
TF klasse:	95
Keurmerken op typeplaat:	CE,VDE
Model:	C
Materialen:	
Pomphuis:	Gietijzer EN 1561 EN-GJL-150 ASTM A48-150B
Waaier:	Composite/PES 30 % GF
Installatie:	
Reeks van omgevingstemperaturen:	0 .. 55 °C
Maximale bedrijfsdruk:	10 bar
Leidingaansluiting:	G 2
Druktrap:	PN 10
Inbouw lengte:	180 mm
Vloeistof:	
Te verpompen medium:	Water
Bereik vloeistoftemperatuur:	2 .. 95 °C
Liquid temperature during operation:	60 °C
Dichtheid:	983.2 kg/m ³
Elektrische gegevens:	
Vermogen - P1:	4 .. 45 W
Netfrequentie:	50 Hz
Nominale spanning:	1 x 230 V
Maximum stroomverbruik:	0.05 .. 0.42 A
Dichtheidsklasse (IEC 34-5):	X4D
Insolatie klasse (IEC 85):	F
Motorbeveiliging:	GEEN
Thermische beveiliging:	ELEC
Regeling:	
Positie klemkast:	6H
Overige:	
Energie (EEI):	0.20
Netto gewicht:	2.36 kg
Bruto gewicht:	2.64 kg
Transportvolume:	0.004 m ³

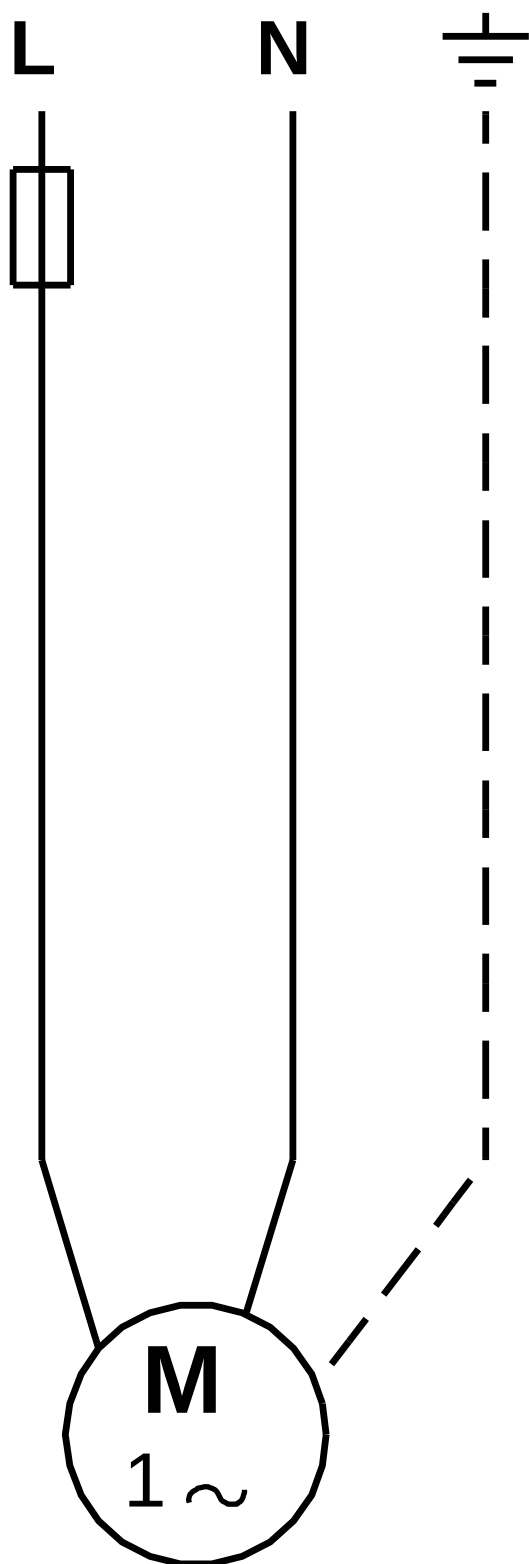


99160590 ALPHA1 L 32-60 180 50 Hz



Opm! Alle unit's zijn in [mm] tenzij anders aangegeven.
Disclaimer: Deze eenvoudige maatschets toont u niet alle details.

99160590 ALPHA1 L 32-60 180 50 Hz



Opm.: Alle eenheden in (mm) tenzij anders vermeld



Firma naam:
Gemaakt door:
Telefoon:

Datum: 11-5-2018

Bestelgegevens:

Productnaam: ALPHA1 L 32-60 180
Hoeveelheid: 1
Produkt nr.: 99160590

Totaal: Prijs op aanvraag
