

Submittal Data

PROJECT: _____	UNIT TAG: _____	QUANTITY: _____
REPRESENTATIVE: _____	TYPE OF SERVICE: _____	DATE: _____
ENGINEER: _____	SUBMITTED BY: _____	DATE: _____
CONTRACTOR: _____	APPROVED BY: _____	DATE: _____
	ORDER NO.: _____	DATE: _____

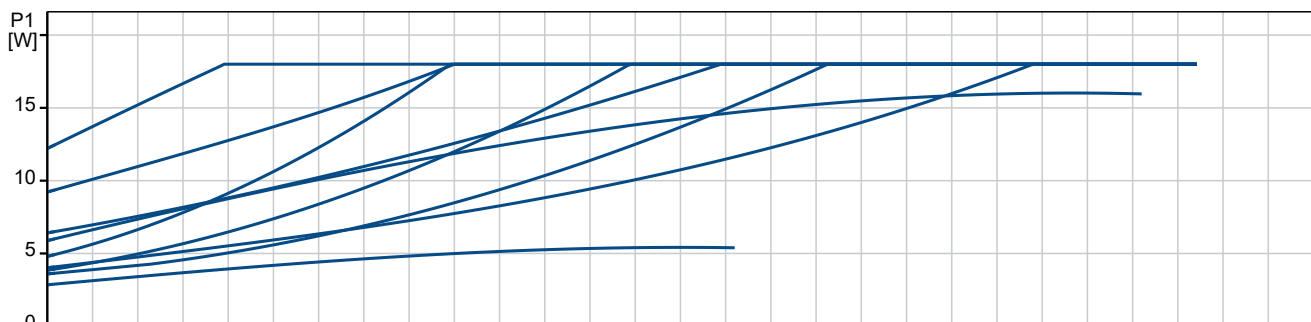
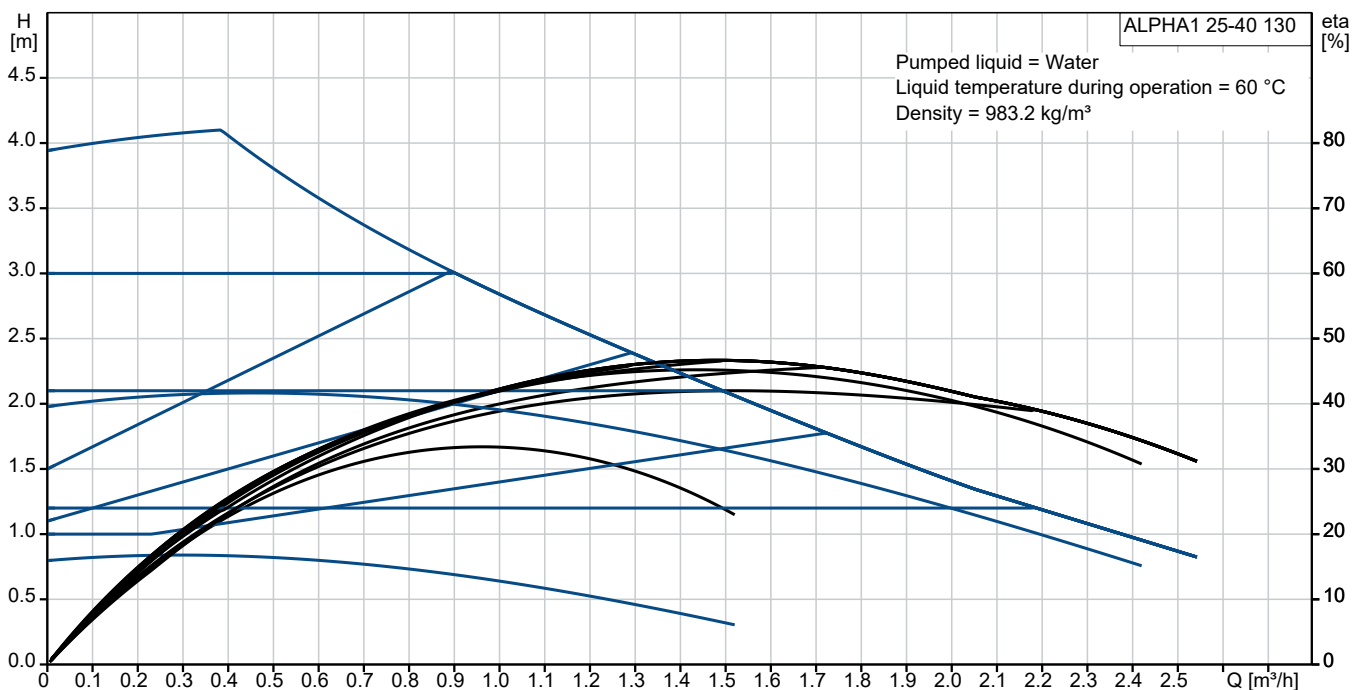
ALPHA1 25-40 130



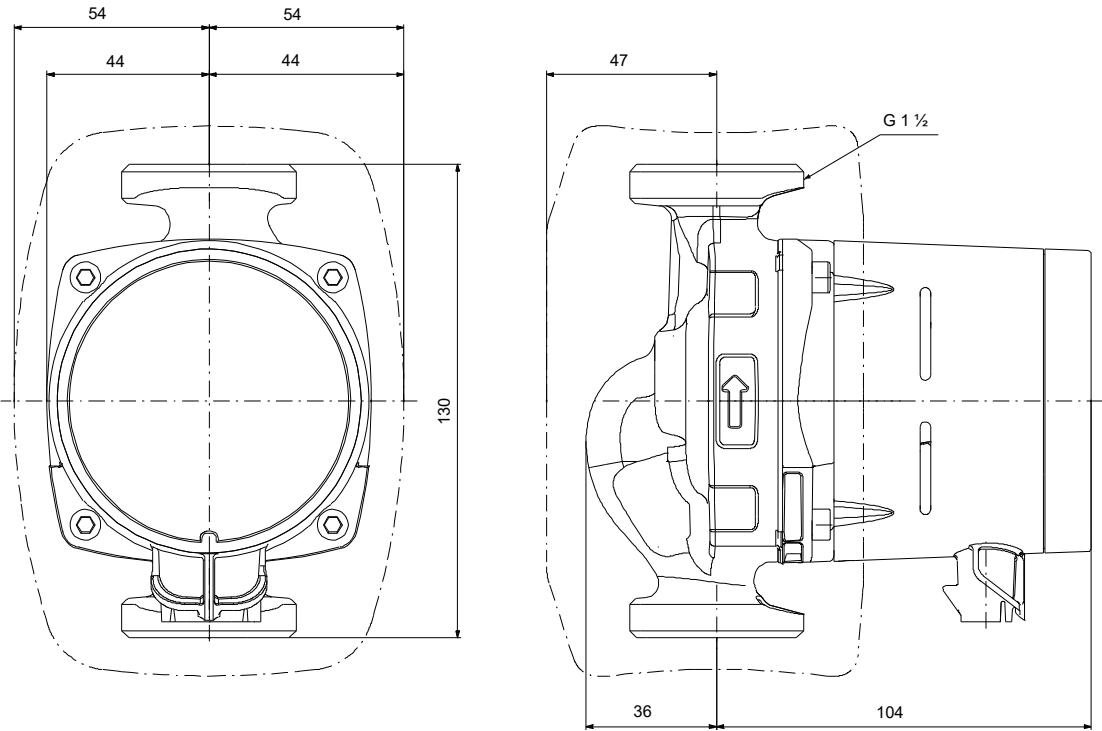
ALPHA1 is a circulator pump designed for heating systems. The pump has integrated differential-pressure control as well as constant-curve mode. The ideal choice for basic functionality needs.

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid:	Water	Liquid temperature range:	2 .. 110 °C	Mains frequency:	50 / 60 Hz
Temperature:	60 °C	Maximum ambient temperature:	40 °C	Enclosure class:	X4D
Specific Gravity:	0.985	Product number:	On request	Thermal protection:	ELEC



Submittal Data



Materials:
Pump housing: Cast iron
Pump housing: ASTM A48M-150B
Impeller: Composite

Qty. Description

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Note! Product picture may differ from actual product

Product No.: On request

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.

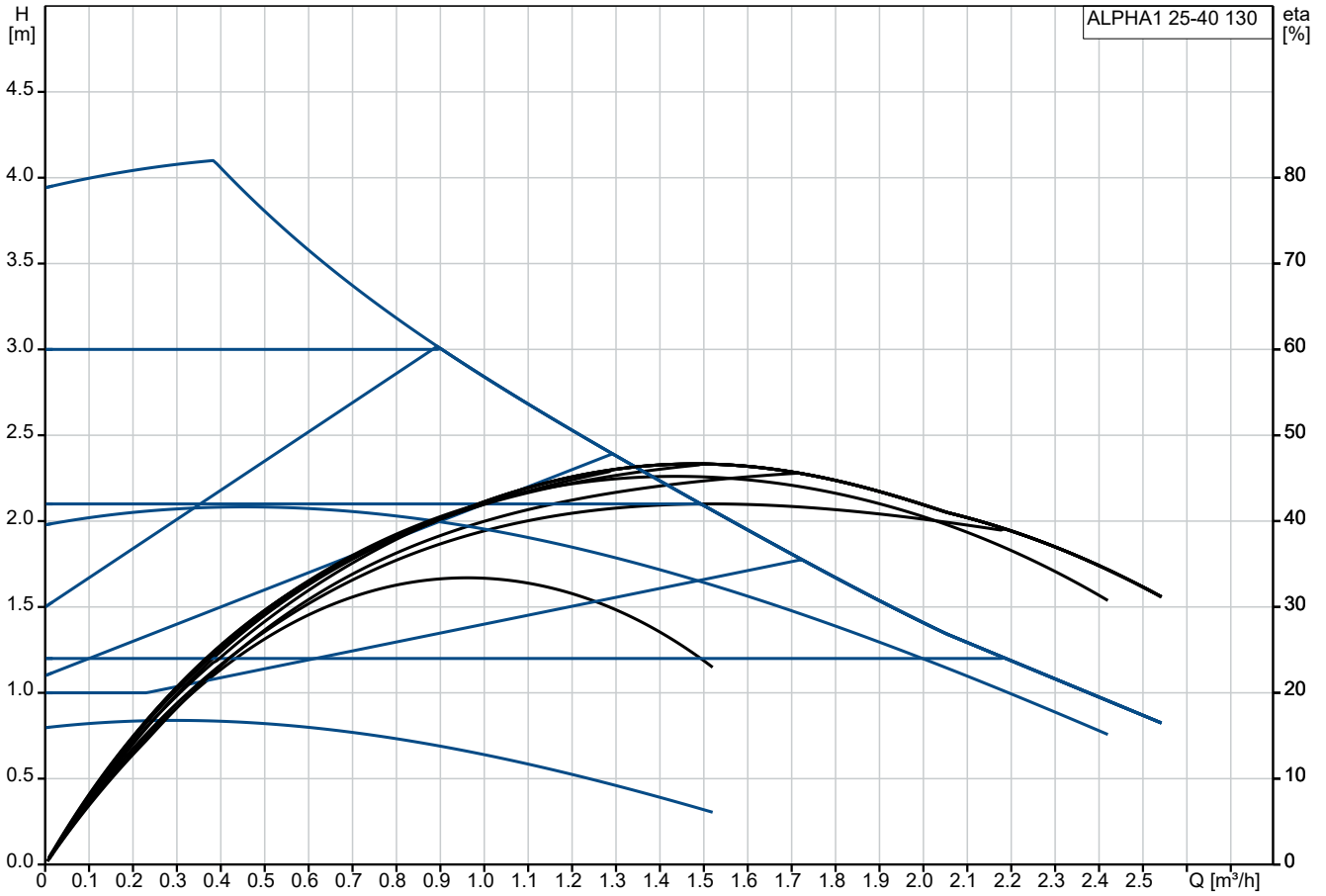
Liquid:
 Pumped liquid: Water
 Liquid temperature range: 2 .. 110 °C
 Selected liquid temperature: 60 °C
 Density: 983.2 kg/m³

Technical:

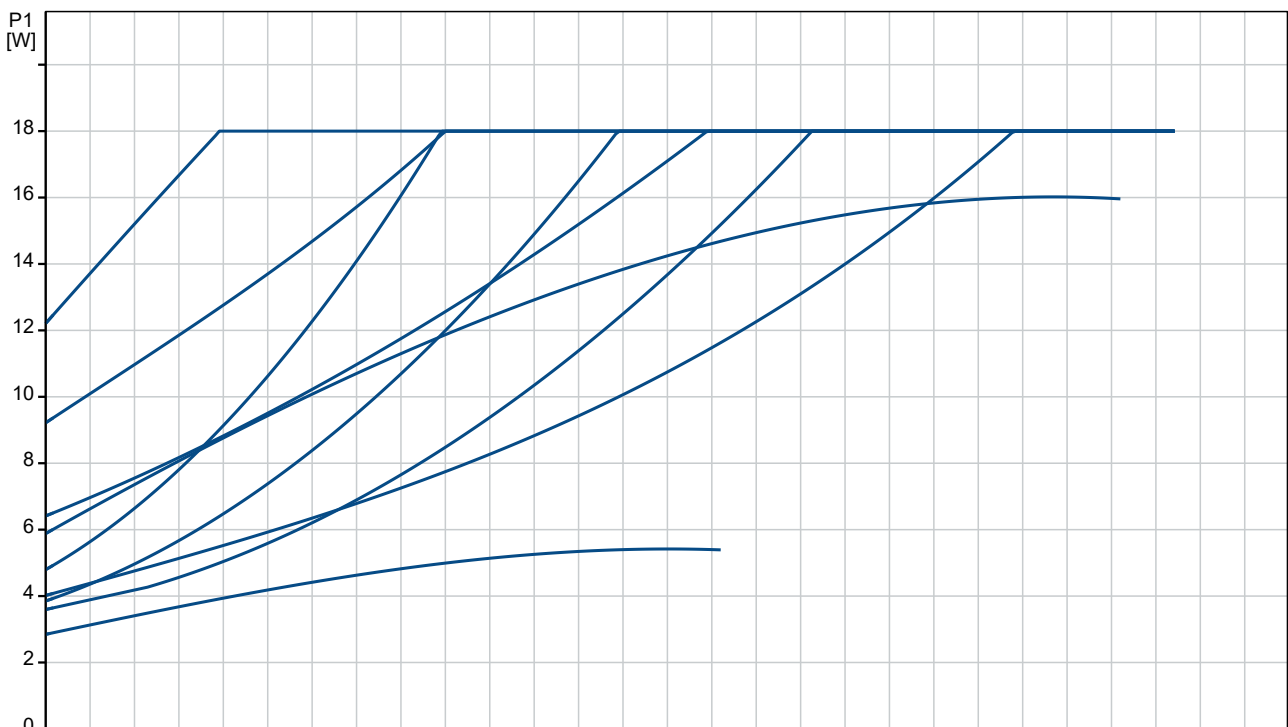
Qty. Description

1	<p>Rated flow: 1.5 m³/h Rated head: 2.15 m TF class: 110 Approvals: CE,VDE</p> <p>Materials: Pump housing: Cast iron EN 1561 EN-GJL-150 ASTM A48M-150B</p> <p>Impeller: Composite PES 30% GF + PESU-GF20%</p> <p>Installation: Range of ambient temperature: 0 .. 40 °C Maximum operating pressure: 10 bar Type of connection: G Size of connection: 1 1/2 inch Pressure rating for connection: PN 10 Port-to-port length: 130 mm</p> <p>Electrical data: Minimum power input - P1: 3 W Power input P1: 18 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Maximum current consumption: 0.04 .. 0.18 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F Built-in motor protection: NONE</p> <p>Others: Energy (EEI): 0.20 Terminal box position: 6H Net weight: 1.88 kg Gross weight: 2.04 kg Shipping volume: 0.004 m³ Country of origin: DK Custom tariff no.: 84137030</p>
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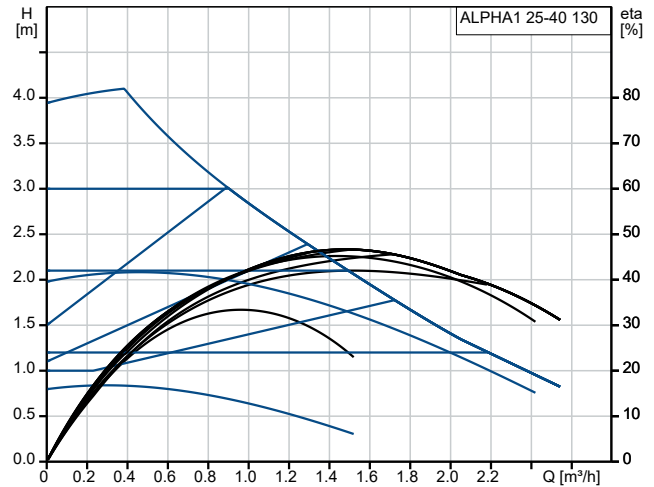
On request ALPHA1 25-40 130



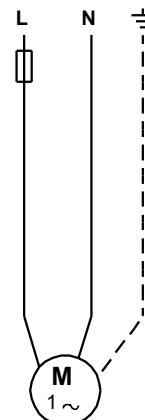
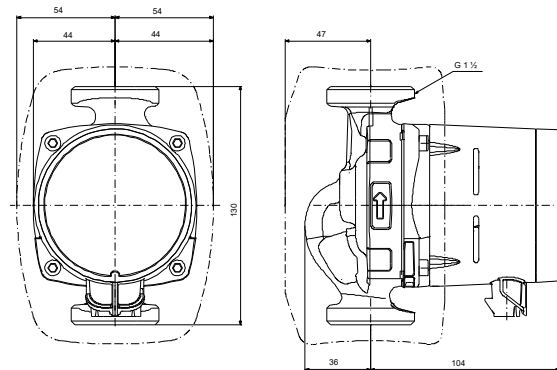
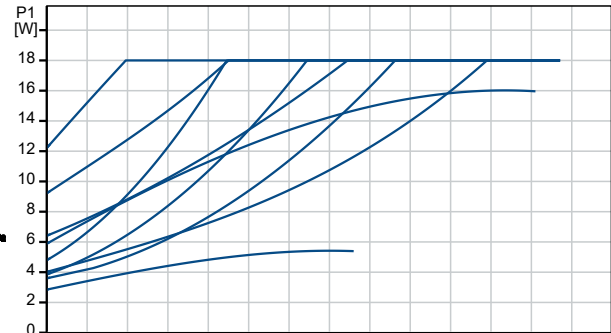
Pumped liquid = Water
 Liquid temperature during operation = 60 °C
 Density = 983.2 kg/m³



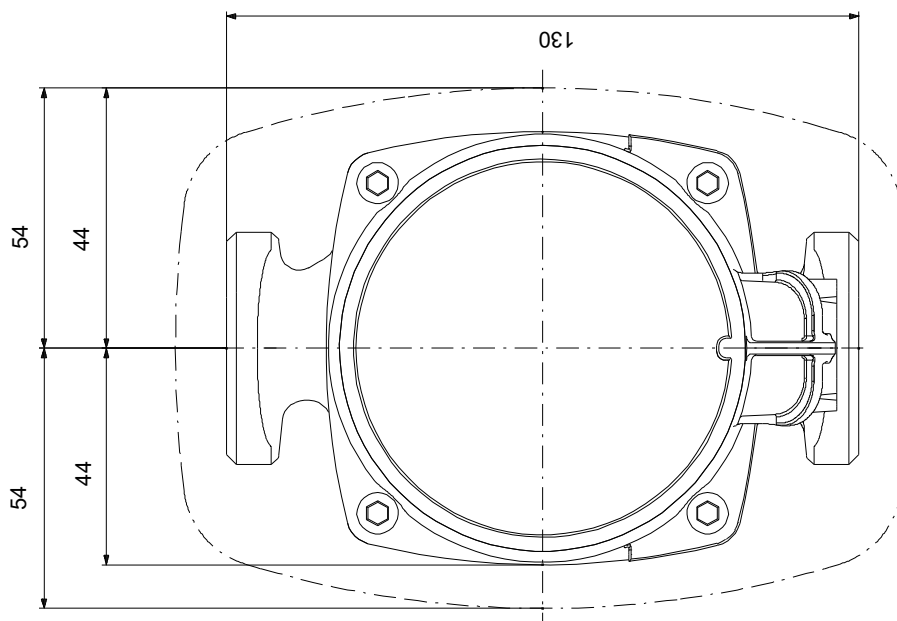
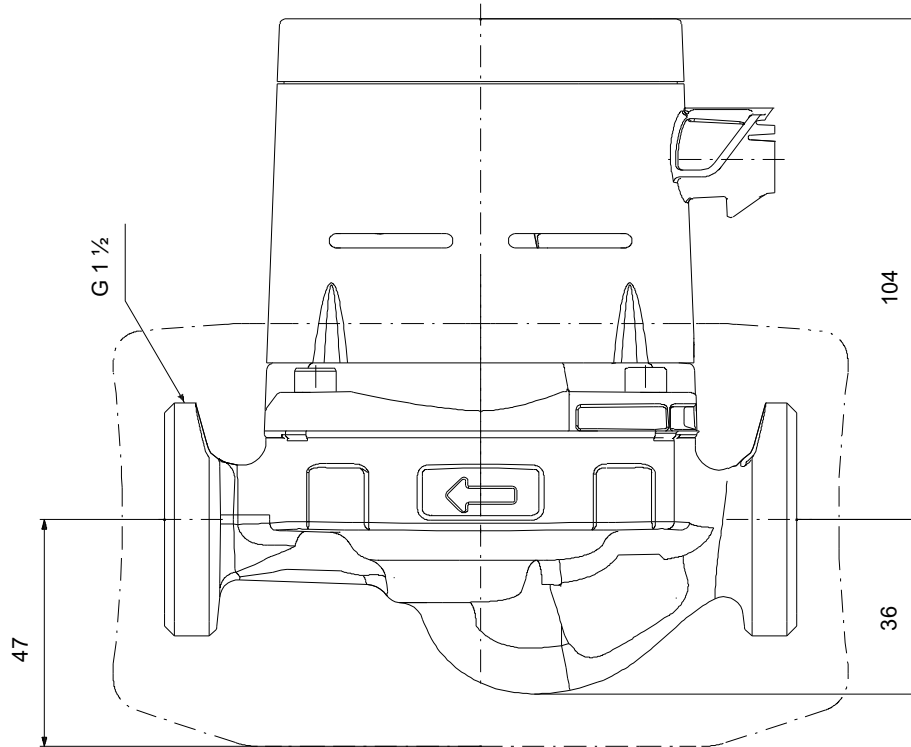
Description	Value
General information:	
Product name:	ALPHA1 25-40 130
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	1.5 m ³ /h
Rated head:	2.15 m
Maximum head:	40 dm
TF class:	110
Approvals:	CE,VDE
Model:	B
Materials:	
Pump housing:	Cast iron
Pump housing:	EN 1561 EN-GJL-150
Pump housing:	ASTM A48M-150B
Impeller:	Composite
Impeller:	PES 30% GF + PESU-GF20%
Installation:	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	10 bar
Type of connection:	G
Size of connection:	1 1/2 inch
Pressure rating for connection:	PN 10
Port-to-port length:	130 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	2 .. 110 °C
Selected liquid temperature:	60 °C
Density:	983.2 kg/m ³
Electrical data:	
Minimum power input - P1:	3 W
Power input P1:	18 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.04 .. 0.18 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Thermal protec:	ELEC
Controls:	
Aut. night:	N
Others:	
Energy (EEI):	0.20
Terminal box position:	6H
Net weight:	1.88 kg
Gross weight:	2.04 kg
Shipping volume:	0.004 m ³
Sales region:	D-A-CH
Country of origin:	DK
Custom tariff no.:	84137030



Pumped liquid = Water
Liquid temperature during operation = 60 °C
Density = 983.2 kg/m³



On request ALPHA1 25-40 130



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

On request ALPHA1 25-40 130



Note! All units are in [mm] unless others are stated.

