


Qty.	Description
1	<p>ALPHA2 32-80 180</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: On request</p> <p>High-efficiency canned-rotor circulator for circulating liquids in heating systems. With a world-class energy efficiency index (EEI) well below the ErP benchmark it ensures substantial energy savings.</p> <p>Features:</p> <ul style="list-style-type: none"> • AUTOADAPT, which provides ultimate comfort levels with the lowest possible energy consumption and makes the commissioning safe and easy • night-setback function, which saves energy • manual summer mode saves energy during the summer and ensures safe start when the heating season starts • 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 due to canned-rotor design and use of robust components • ALPHA plug makes electrical installation quick and easy • pumps are supplied with insulating shells to minimise heat loss in heating systems. • hydronic balancing by temporary use of the ALPHA Reader and the Grundfos GO Balance app enables the installer to perform fast and easy hydronic balancing. <p>When using the ALPHA2 with two other components, the ALPHA Reader and the Grundfos GO Balance app, the installer can perform fast and easy hydronic balancing without compromising reliability, efficiency and easy installation.</p> <p>The AUTOADAPT function continuously adjusts the pump performance to the actual heat demand, that is the size of the system and the changing heat demand during the year.</p> <p>The function will find the setting that provides optimal comfort with minimal energy consumption. It contributes to fast, safe and easy commissioning.</p> <p>In addition, the pump also features three control modes, each with three settings:</p> <ul style="list-style-type: none"> • proportional-pressure control • constant-pressure control • constant-curve control. <p>The display shows the actual power consumption in watts or actual flow in m³/h as well as alarms and warnings. LEDs indicate the actual operating status.</p> <p>The night-setback function, when enabled automatically, reduces the motor speed to save energy. The changeover depends on a change in the flow-pipe temperature.</p> <p>Once manual summer mode is enabled, the pump automatically starts frequently at low speed to avoid blocking the rotor. At the same time, it saves energy.</p>

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1	<p>The pump is of the canned-rotor type, which means that the pump and motor form an integral unit. The bearings are lubricated by the pumped liquid ensuring maintenance-free operation. The pump features dry-running protection.</p> <p>The pump has a ceramic shaft and radial bearings, carbon thrust bearing, stainless-steel rotor can, bearing plate and rotor cladding and a composite impeller, all of which contribute to a long service life.</p> <p>The pump is self-venting through the system, which contributes to easy commissioning. The compact design featuring pump head with integrated control box and operating panel fits into most common installations.</p> <p>The pump housing is made of cast iron and electrocoated to improve corrosion resistance.</p> <p>The motor is a synchronous permanent-magnet/compact-stator motor characterised by high efficiency. Pump speed is controlled by an integrated frequency converter incorporated in the control box.</p> <p>Liquid: Pumped liquid: Water Liquid temperature range: 2 .. 110 °C Selected liquid temperature: 60 °C Density: 983.2 kg/m³</p> <p>Technical: Rated flow: 2.14 m³/h Rated head: 4.36 m Pump head orientation: 6H TF class: 110 Approvals: VDE,CE,EAC,SEPRO</p> <p>Materials: Pump housing: Cast iron EN 1561 EN-GJL-150 ASTM A48M-150B 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: 2 inch Pressure rating for connection: PN 10 Port-to-port length: 180 mm</p> <p>Electrical data: Minimum power input - P1: 3 W Power input P1: 50 W Mains frequency: 50 / 60 Hz Rated voltage: 1 x 230 V Maximum current consumption: 0.04 .. 0.44 A Enclosure class (IEC 34-5): X4D</p>



Company name:

Created by:

Phone:

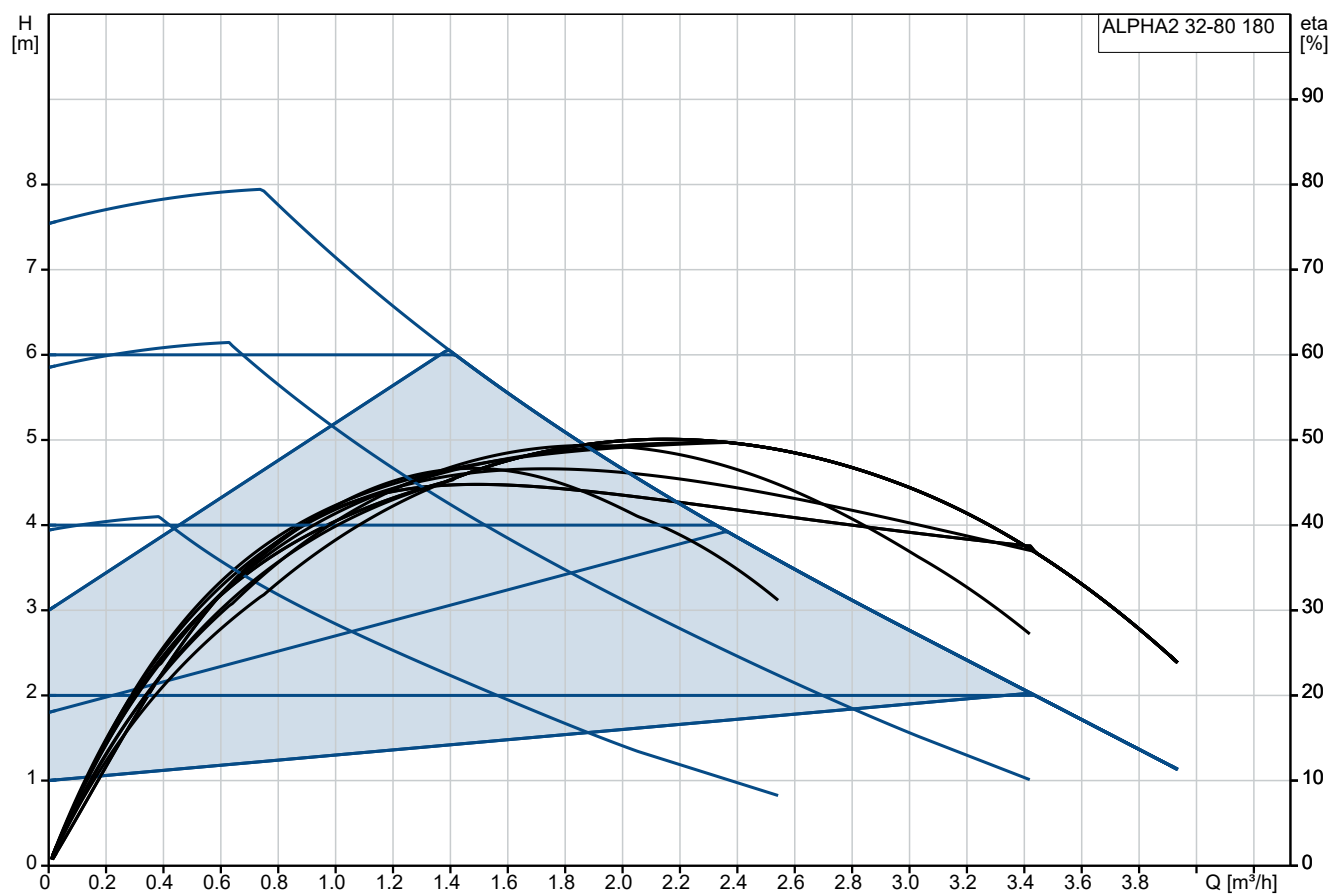
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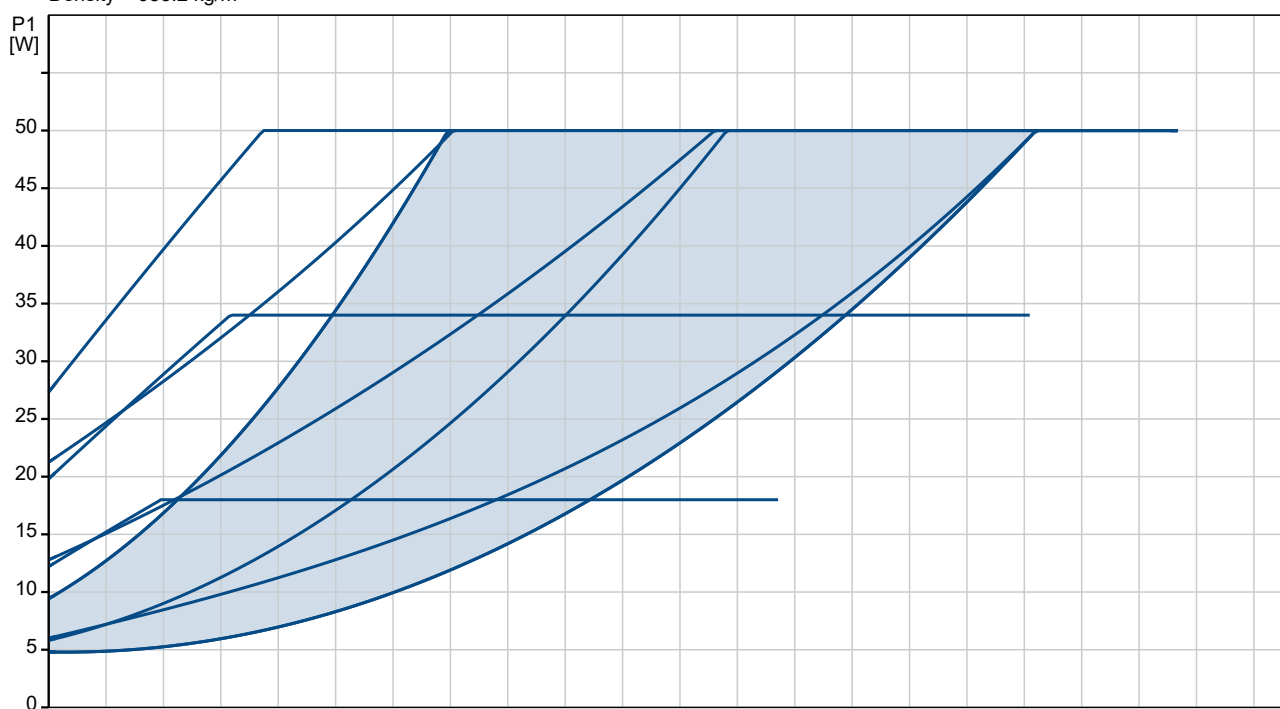
Qty.	Description
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1	Insulation class (IEC 85): F
	Others:
	Energy (EEI): 0.18
	Net weight: 2.18 kg
	Gross weight: 2.33 kg
	Shipping volume: 0.004 m ³
	Danish VVS No.: 380473380
	Finnish LVI No.: 4615344
	Norwegian NRF no.: 9043158

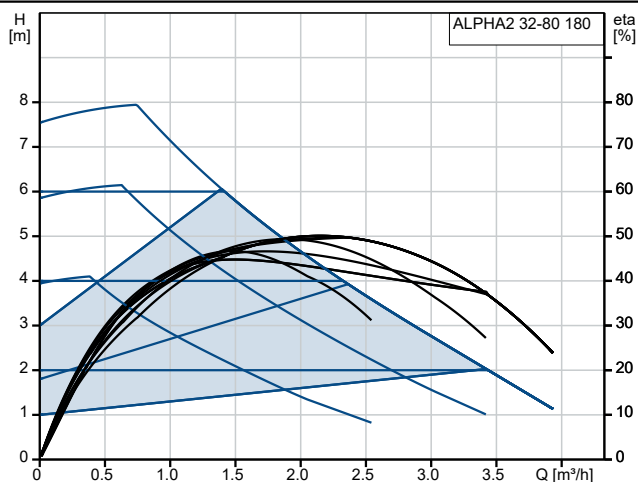
On request ALPHA2 32-80 180



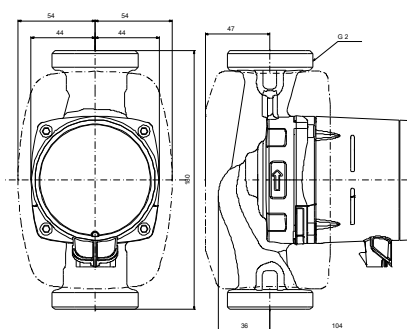
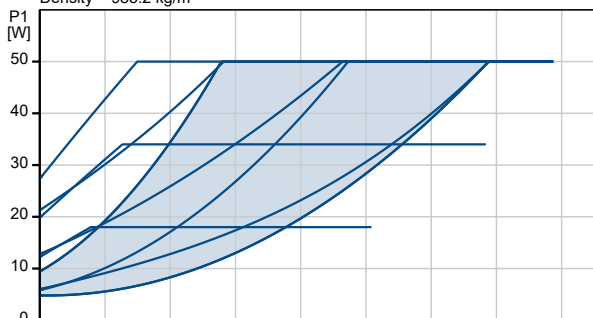
Pumped liquid = Water
 Liquid temperature during operation = 60 °C
 Density = 983.2 kg/m³



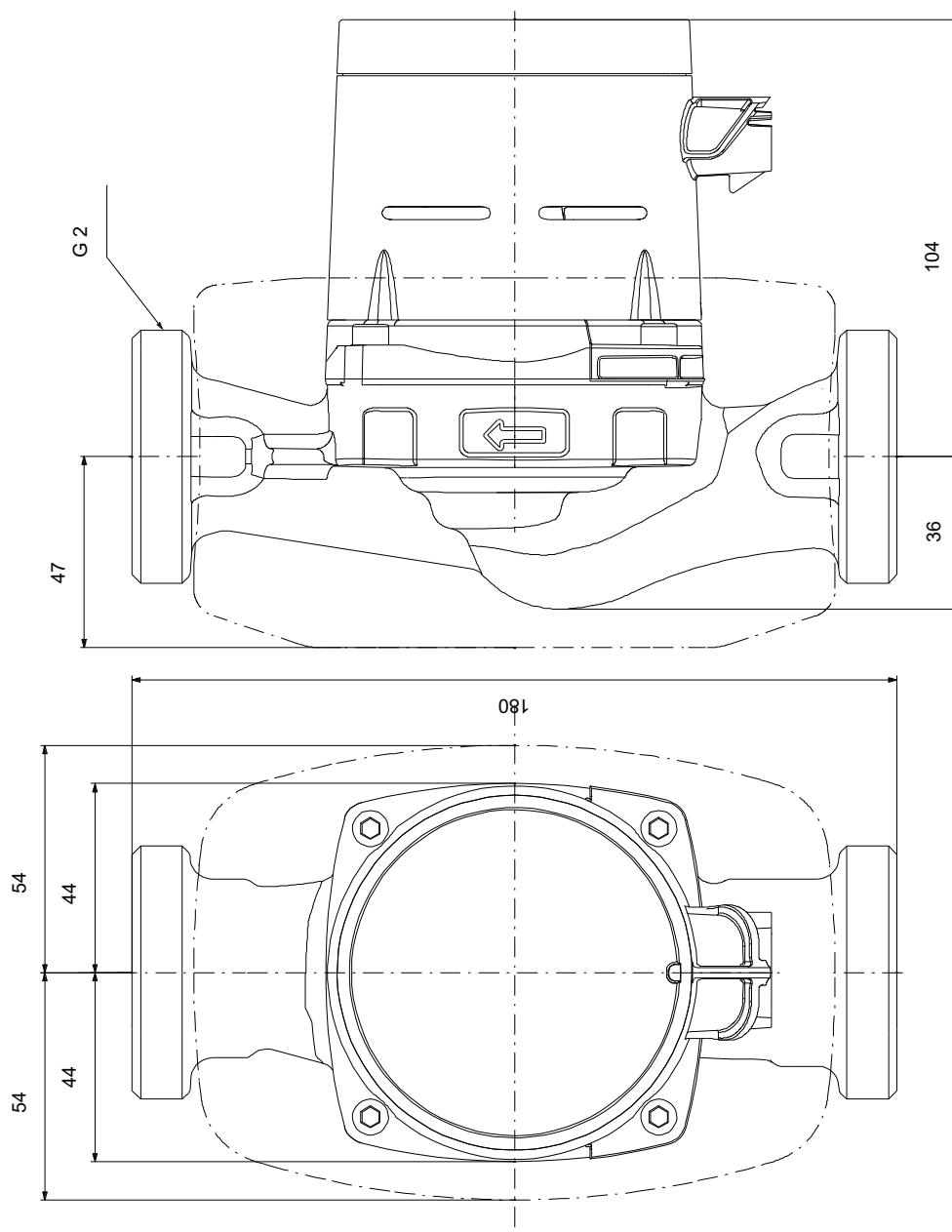
Description	Value
General information:	
Product name:	ALPHA2 32-80 180
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	2.14 m³/h
Rated head:	4.36 m
Maximum head:	80 dm
Pump head orientation:	6H
TF class:	110
Approvals:	VDE,CE,EAC,SEPRO
Model:	E
Materials:	
Pump housing:	Cast iron
	EN 1561 EN-GJL-150
	ASTM A48M-150B
Impeller:	Composite
	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:	2 inch
Pressure rating for connection:	PN 10
Port-to-port length:	180 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	2 .. 110 °C
Selected liquid temperature:	60 °C
Density:	983.2 kg/m³
Electrical data:	
Minimum power input - P1:	3 W
Power input P1:	50 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.04 .. 0.44 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Thermal protec:	ELEC
Controls:	
Aut. night:	automatic reduced night-time duty included
Others:	
Energy (EEI):	0.18
Net weight:	2.18 kg
Gross weight:	2.33 kg
Shipping volume:	0.004 m³
Danish VVS No.:	380473380
Finnish LVI No.:	4615344
Norwegian NRF no.:	9043158



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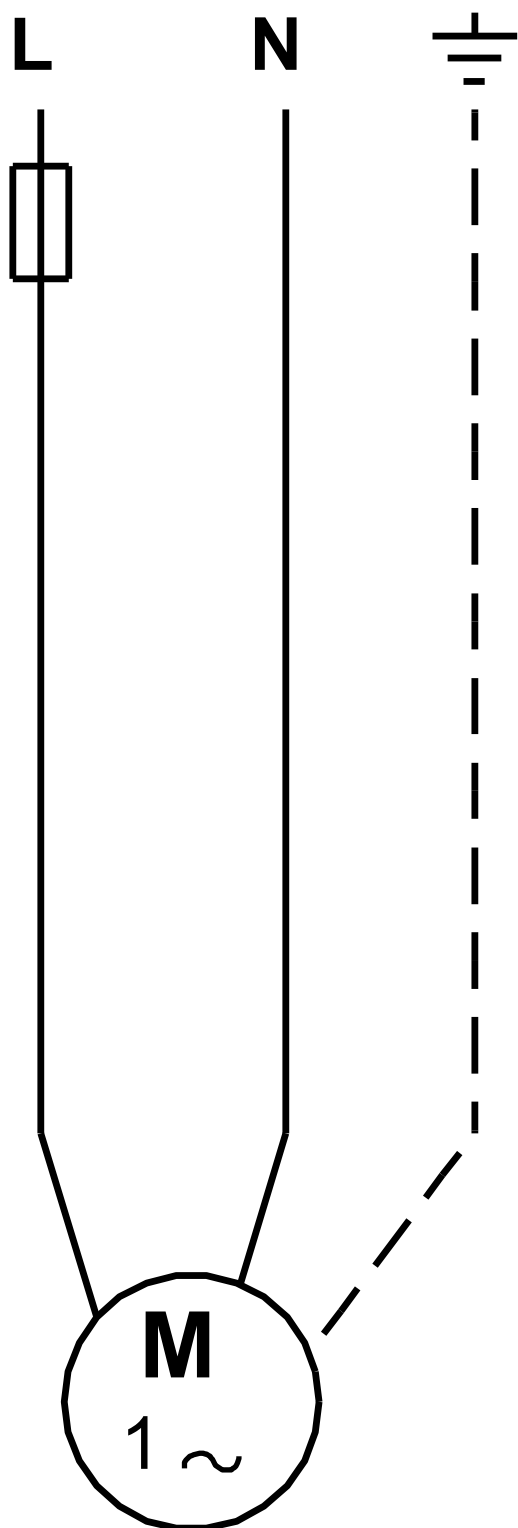


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Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

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