Company name:	Tengi ehf
Created by:	
Phone:	
Date:	15/02/2022

Qty.	Description
1	**ALPHA2 25-60 N 180**

Note! Product picture may differ from actual product

Product No.:   On request

Grundfos ALPHA2 high-efficiency circulator pumps are designed for circulating liquids in heating systems. The stainless-steel variant of the ALPHA2 is suitable for e.g. domestic hot-water systems. With an energy efficiency index (EEI) well below the ErP benchmark, it ensures substantial energy savings.

The AUTOADAPT function continuously adapts the pump performance to the actual heat demand, i.e. the size of the system and changing heat demand during the year.
The AUTOADAPT feature finds the setting that provides optimal comfort with minimal energy consumption and makes the commissioning fast, safe, and easy.
ALPHA2 also offers proportional-pressure, constant-pressure and constant-curve control modes.

With the automatic night setback function, the pump automatically changes between normal duty and night setback.

The changeover depends on the flow-pipe temperature controlled by the heating appliance.
In manual summer mode, the pump does not operate but starts automatically at low speed to avoid blocking the rotor as well as sticky valves and non-return valves.

Control modes and functions are selected using the buttons on the display. The LEDs indicate the operating status, actual power consumption in watt or actual flow rate in m³/h as well as warnings and alarms.

Furthermore, ALPHA2 is compatible with ALPHA Reader and the Grundfos GO Balance app, enabling installers to perform easy hydronic balancing of radiator- and underfloor-heating systems.

The design and chosen materials of the pump contribute to long life.
The pump is self-venting through the system, which contributes to easy commissioning.
The compact design, featuring a pump head with an integrated control box, fits into most common installations.
Pump and motor form an integral unit without a shaft seal.
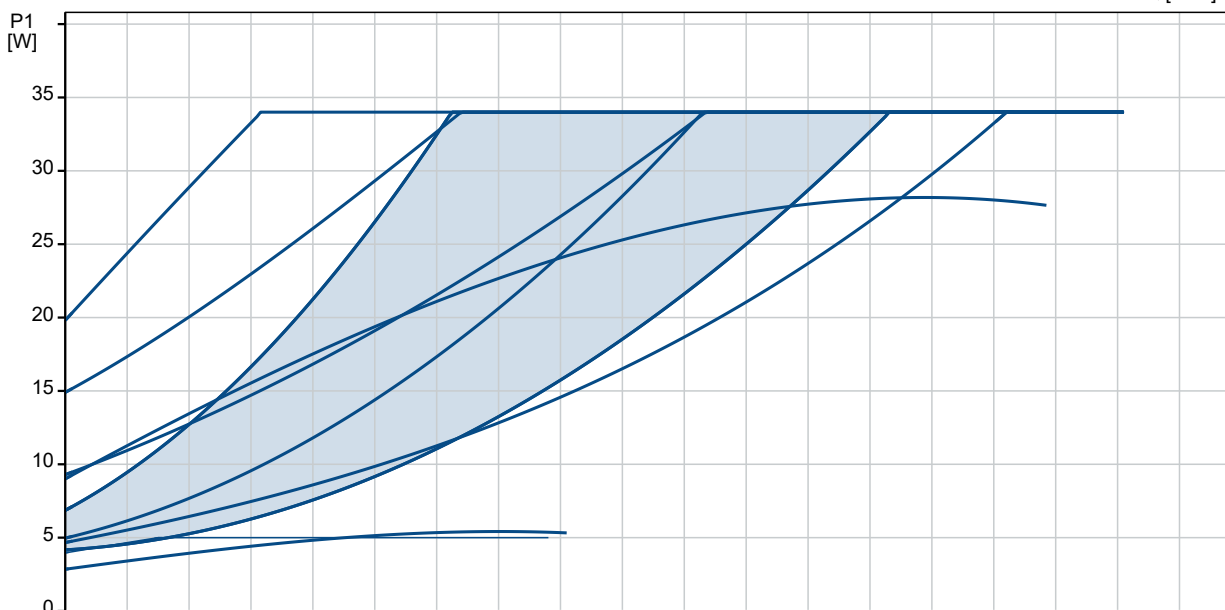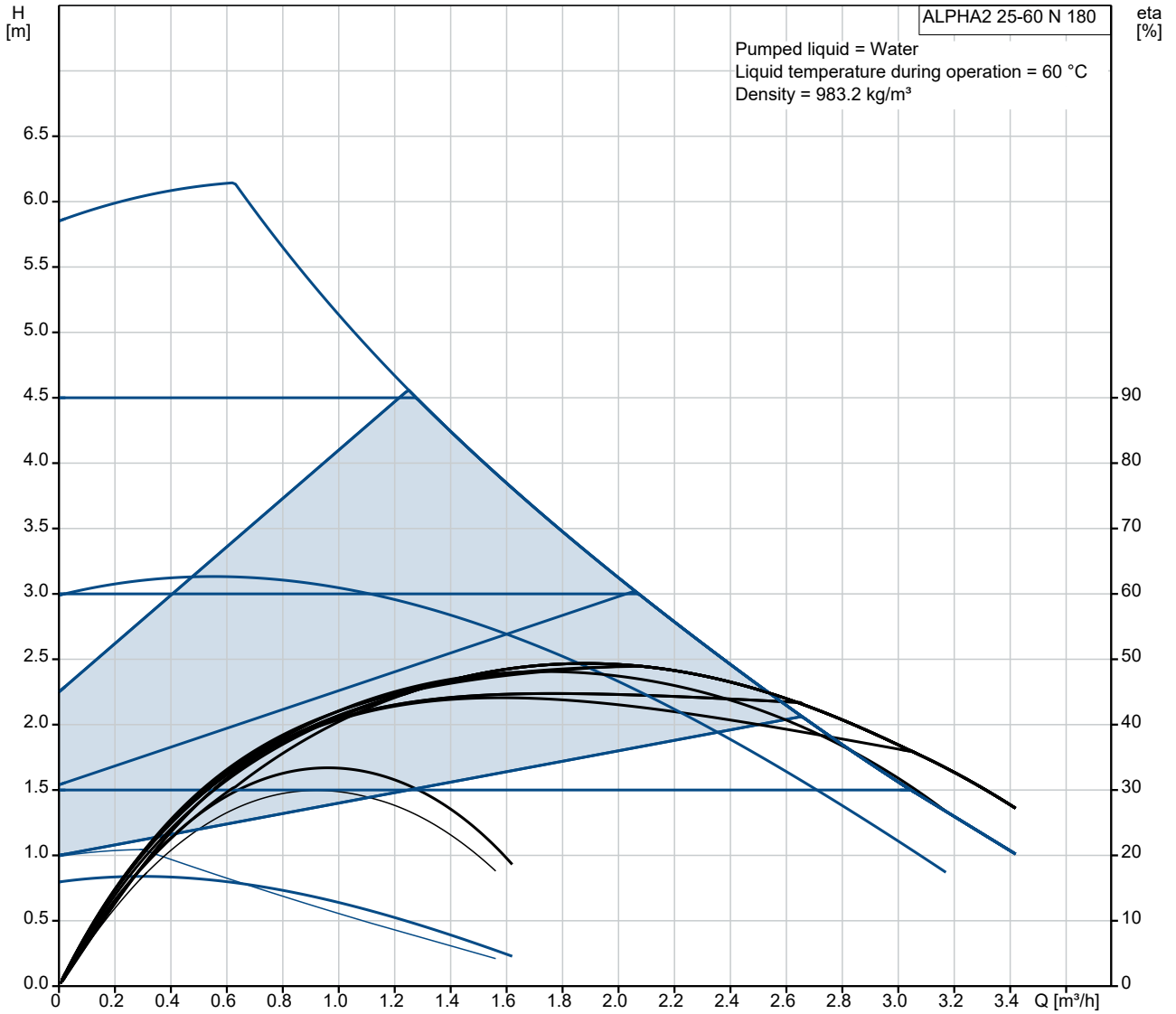The bearings are lubricated by the pumped liquid.
These constructional features ensure maintenance-free operation.

The active dry-running protection feature protects the pump against dry running during startup and normal operation.
In case of a blocked rotor, the pump will continuously attempt to restart with highest possible torque.

Pump housings made of cast iron are electrocoated to improve corrosion resistance. The motor is a synchronous permanent-magnet/compact-stator motor characterised by high efficiency. The pump speed is controlled by an integrated frequency converter incorporated in the control box.

Insulating shells are supplied with pumps to minimise heat loss in heating systems.

On request ALPHA2 25-60 N 180

ALPHA2 25-60 N 180

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

Description	Value
General information:	
Product name:	ALPHA2 25-60 N 180
Product No:	On request
EAN number:	On request
Technical:	
Head max:	60 dm
TF class:	110
Approvals on nameplate:	CE,VDE,EAC,RCM
Model:	E
Materials:	
Pump housing:	Stainless steel
Pump housing:	EN 1.4308
Pump housing:	ASTM 351 CF8
Impeller:	PES 30%GF
Installation:	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	10 bar
Pipe connection:	G 1 1/2
Pressure rating:	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:	
Power input - P1:	3 .. 34 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.04 .. 0.32 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Thermal protec:	ELEC
Controls:	
Aut. night:	automatic reduced night-time duty included
Pos term box:	6H
Others:	
Energy (EEI):	0.17
Net weight:	2.21 kg
Gross weight:	2.37 kg
Shipping volume:	0.004 m³
Danish VVS No.:	380463160
Swedish RSK No.:	5790516
Finnish LVI No.:	4615349
Norwegian NRF no.:	9043166
Country of origin:	DK
Custom tariff no.:	84137030

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