	GRUNDFOS 🕅	Company Created by Phone:		
		Date:	06/02/2023	
Qty.	Description			
1	ALPHA2 25-60 180	e may differ from	actual product	
	Product No.: 99411175			
	High efficiency canned-rotor circulator, designed for ci efficiency index (EEI) well below the ErP benchmark it	rculating liquid ensures subsi	ls in heating systems. With a world tantial energy savings.	l-class energy
	Features AUTOADAPT which energy consumption	ι provides the ι ι and makes th	ultimate comfort levels with the low ne commissioning safe and easy	vest possible
	Night-setback functi	on which save		e safe start in
	Intuitive one-button No external motor p High-torque start im	rotection requi proves startup	tes selection of any control mode s ired reducing installation time o under harsh conditions	
	ALPHA plug makes	electrical insta	otor design and use of robust com allation quick and easy pumps to minimize heat loss in he	
	Hydronic balancing Balance App enable	by temporary uses the installer	use of the ALPHA Reader and the to perform fast and easy hydronic	Grundfos GO balancing
	When using the ALPHA2 with two other components the enables the installers to perform fast and easy hydronic easy installation.	he ALPHA Rea ic balancing - v	ader and the Grundfos GO Balanc without compromising on reliability	e app, it , efficiency and
	The AUTOADAPT function continuously adjusts the pusystem and the changing heat demand during the yea with minimal energy consumption. It contributes to fast	r. The function	n will find the setting that provides o	the size of the optimal comfort
	In addition, the pump also features three control mode • proportional-pressur constant-pressure c constant-curve mod	re control ontrol	hree settings	
	The display shows the actual power consumption in W LEDs indicate the actual operating status.	/atts or actual f	flow in m3/h as well as alarms and	warnings.
	The night-setback function, when enabled automatical depends on a change in the flow-pipe temperature.	ly reduces the	motor speed to save energy. The	changeover
	Manual summer mode; once enabled, the pump is aut rotor. At the same time, it saves energy.	comatically star	rted frequently at low speed to avo	id blocking the
	The pump is of the canned-rotor type, which means th lubricated by the pumped liquid ensuring maintenance	at the pump ar -free operation	nd motor form an integral unit. The n. The pump features dry-running	bearings are protection.

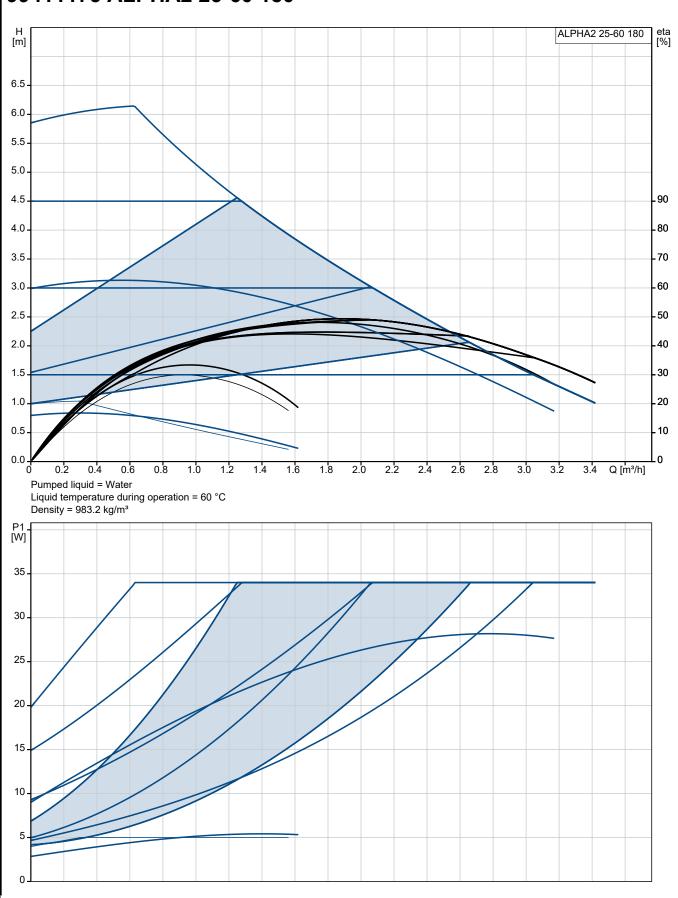
		Date: 06/02/2023					
' .	Description						
	The pump has a ceramic shaft and radial bearings, carbon thrust bearing, stainless-steel rotor can, bearing plate and rotor cladding, composite impeller, all of which contribute to long life.						
	The pump is self-venting through the system, which contributes 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 perr speed is controlled by an integra	nanent-magnet/compact-stator motor characterized by high efficiency. The pump ted 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/m ³					
	-						
	Technical:						
	Rated flow:	1.94 m³/h					
	Rated head:	3.28 m					
	TF class:	110					
	Approvals:	CE,VDE,EAC,RCM,SEPRO					
	Materials:						
		Castiran					
	Pump housing:	Cast iron					
		EN 1561 EN-GJL-150					
		ASTM A48M-150B					
	Impeller:	Composite					
		PES 30% GF + PESU-GF20%					
	Installation:						
		0.40%0					
	Range of ambient temperature:						
	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:	180 mm					
	Electrical data:						
	Minimum power input - P1:	3 W					
	Power input P1:	34 W					
	Mains frequency:	50 / 60 Hz					
	Rated voltage:	1 x 230 V					
		0.04 0.32 A					
	Maximum current consumption:						
	Enclosure class (IEC 34-5):	X4D					
	Insulation class (IEC 85):	F					
	Built-in motor protection:	NONE					
	Others:						
	Energy (EEI):	0.17					
	Terminal box position:	6H					
- 1	Net weight:	2.01 kg					
	Gross weight:	2.17 kg					
	Shipping volume:	0.004 m ³					
		380473260					
	Danish VVS No ·	3004/3200					
	Danish VVS No.: Swedish RSK No.:						
	Swedish RSK No.:	5758780					



Date:

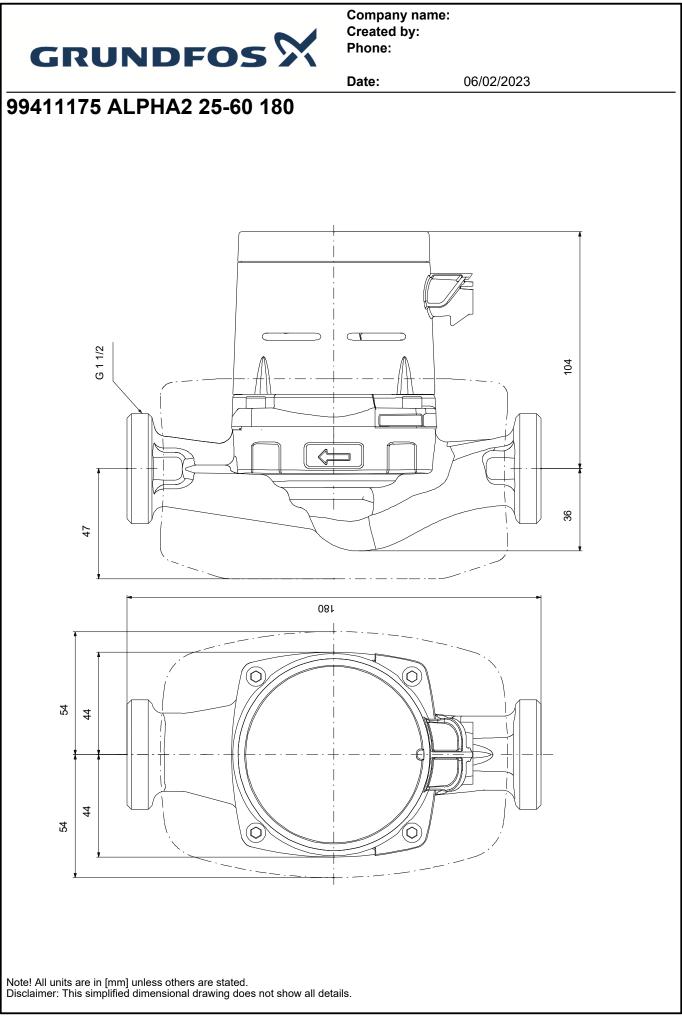
06/02/2023

99411175 ALPHA2 25-60 180





Description Value Description Value Description Value			н		ALPHA2 25-60 180
Product No: 99411175 Product No: 99411175 Stated flow: 1.94 m ¹ /h Rade flow: 1.92 m ¹ /h Rade flo		Value	[m]		
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AM number: 5713828675248 echnical: tacked how: 1.94 m ³ /h taked head: 3.28 m tacked head: 4.28 m turp housing: EN 1501 EN-GJL-150 turp housing: PES 3.0% GF + PESUL-GF20% tacked may the pressure: 0.140 °C tacked head: 112 inch tressure rating for connection: PN 10 of rio-port length: 180 mm tacked head: 112 inch tressure rating for connection: PN 10 of rio-port length: 180 mm tacked tacked tacked head: 128 m tacked head: 128 m tacked head: 128 m tacked tacked head: 128 m tacked tacked head: 128 m tacked head: 1			6.0		
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aximum head: 60 dm 6 d			4.0		
F class: 110 provals: CE.VDE.EAC,RCM.SEPRO codel: E taterials: ump housing: Cast iron ump housing: Cast iron ump housing: ASTM A48M-1508 poeller: Composite poeller: Composite poeller: PES 30% GF + PESU-GF20% stallation: ange of ambient temperature: aamum operating pressure: 10 bar yee of connection: 1 1/2 inch ressure rating for connection: P 112 inch ressure rating for connection: P 110 of C elected liquid temperature: 60 °C ensity: 988.2 kg/m* lectrical data: Inimum power input P 1: S 0 / 60 Hz ated voltage: 1 x 230 V ated voltage: 2 1 1/2 kg Ininum protec: ELEC ontrol: ut. night: automatic reduced night-time duty included thers: nergy (EE): 0.17 erminal box position: 6H et weight: 2.01 kg ross weight: 2.17 kg hipping voltume: 0.004 m ³ anish VV No.: 380473260 wedish RSK No.: 5758780 nnish LV No.:: 4615340	ated head:	3.28 m	3.5		
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