

Date: 18/11/2022

Qty. | Description

1 MAGNA3 40-100 F



Note! Product picture may differ from actual product

Product No.: 97924269

The Grundfos MAGNA3 circulator pump is the ideal choice for almost any building project – old or new. With its unrivalled energy efficiency, all-encompassing range and built-in communication capabilities, MAGNA3 is ideal for engineers and specifiers looking to create high-performance heating and cooling systems.

The pump is maintenance-free due to the canned-rotor type design. This also means that pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The bearings are lubricated by the pumped liquid.

MAGNA3 features an intuitive display and allows you to connect wirelessly with the Grundfos GO Remote app, giving you access to advanced reporting and monitoring.

MAGNA3 model E has Bluetooth, which allows you to connect directly to Grundfos Go app on your smart phone without any need for a dongle.

The pump includes fieldbus communication via CIM modules as well as analog and digital inputs and configurable relays.

Control features include AUTOADAPT and FLOWADAPT. FLOWADAPT which reduces the need for throttling valves, thus cutting costs on system components.

MAGNA3 is the superior choice for a wide range of heating and cooling applications, including:

Mixing loops

Heating surfaces

Air conditioning surfaces

Ground-source heat pump systems

Smaller chiller applications.

MAGNA3 is a single-phase pump and characterised by having the controller and control display integrated in the control box. The pump also has a built-in differential-pressure and temperature sensor.

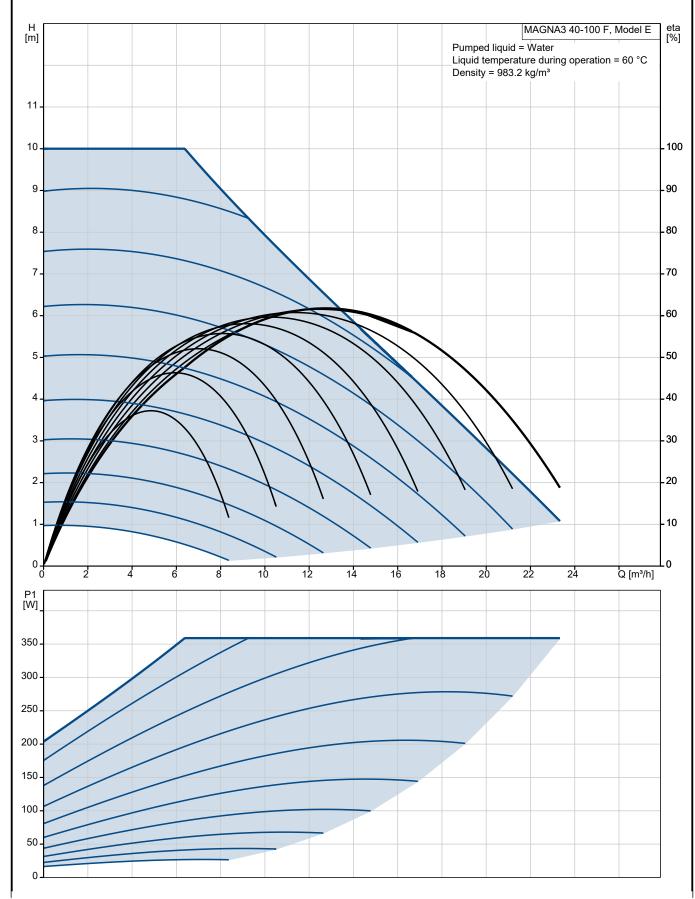
The pump housing is available in both cast-iron and stainless-steel versions. The composite rotor can is carbon-fibre reinforced, the bearing plate and rotor cladding are made of stainless steel and the stator housing is made of aluminium. The power electronics are air-cooled.

MAGNA3 incorporates a 4-pole synchronous, permanent-magnet motor (PM motor). This motor type is characterised by higher efficiency than a conventional asynchronous squirrel-cage motor. The pump speed is controlled by an integrated frequency converter.



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97924269 MAGNA3 40-100 F





4615147

9042661

84137030

CN ROHS, WEEE

DE

Description

Product No:

Technical: Rated flow:

Rated head:

Head max: TF class:

Approvals:

Pump housing:

Pump housing:

Installation:

Flange standard:

Pipe connection:

Pressure rating: Port-to-port length:

Pumped liquid:

Electrical data:

Power input - P1: Mains frequency:

Rated voltage:

Liquid temperature range:

Selected liquid temperature:

Maximum current consumption:

Enclosure class (IEC 34-5):

Insulation class (IEC 85):

Liquid:

Density:

Others: Energy (EEI):

Net weight:

Gross weight:

Shipping volume:

Danish VVS No.:

Finnish LVI No.:

Country of origin:

Custom tariff no.:

Swedish RSK No.:

Norwegian NRF no.:

Environmental approvals:

Range of ambient temperature: Maximum operating pressure:

Impeller:

Model: Materials: Pump housing:

EAN number:

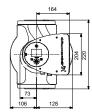
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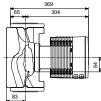
Company name: Created by: Phone:

POS 21	
	Date:
Value	H [m]
MAGNA3 40-100 F	11
97924269	10
5710626493449	
12.16 m³/h	9 —
6.797 m	8 -
100 dm	7
110	6
CE,VDE,EAC,MOROCCO,UKCA, TSERCM,UkrSEPRO	5_
E	
	4 —
Cast iron	3 —
EN-GJL-250	2
ASTM A48-250B	1_
PES 30%GF	\\\\
0 40 °C	Ö
10 bar	P1 [W]
DIN	350
DN 40 PN 6/10	300
220 mm	250
220 111111	200
Water	150
-10 110 °C	100
60 °C	50
983.2 kg/m³	0 🖵
18 359 W	
50 / 60 Hz	
1 x 230 V	ſ
0.2 1.66 A	(
X4D F	. \
F	. [
0.18	_
16.3 kg	
18.1 kg	
0.039 m³	
380952410	
5732488	

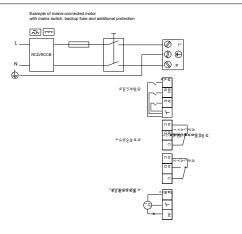
18/11/2022

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H [m]			MAGNA3 40-100 F, Mod	del E eta
		Pumped liqui	id = Water	
11		Liquid tempe Density = 98	erature during operation = 60 3.2 kg/m³) ℃
10				10
9				- 90
8 -				- 80
7 -				70
6 -				- 60
5				- 50
4		1 111,		40
3		111		30
2	1	1//		- 20
1	——————————————————————————————————————	1, 1,		10
o /				
0 2	4 6 8	10 12 14 1	16 18 20 22 Q	[m³/h]
P1 [W]				
350				
300				
250				
200				
150				
100				
50				
0				





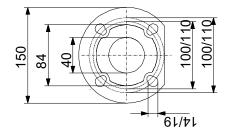


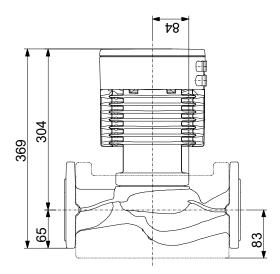


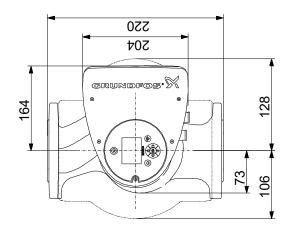


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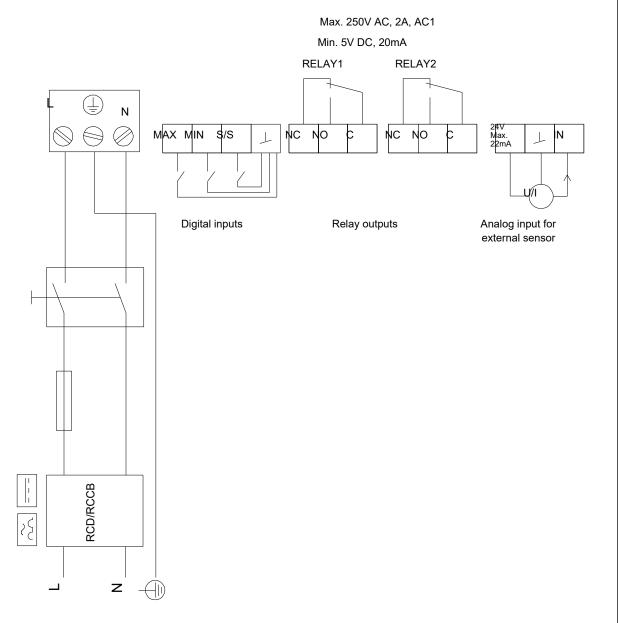


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



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Example of mains-connected motor with mains switch, backup fuse and additional protection