Submittal Data

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



MAGNA3 40-60 F

The MAGNA3 is the premium choice when system control and monitoring is key. MAGNA3 supports fieldbus by optional CIM modules, and connects directly with the Grundfos GO app via Bluetooth.

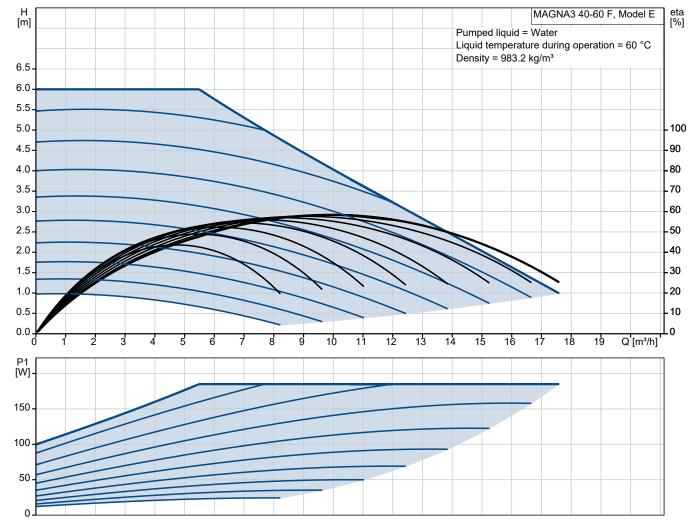
Note! Product picture may differ from actual product

Conditions of Service				
Liquid:	Water			
Temperature:	60 °C			
Specific Gravity:	0.985			

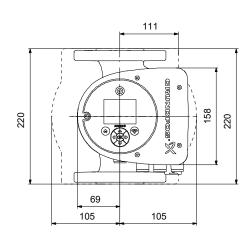
Pump Data	
Liquid temperature range:	-10 110 °C
Maximum ambient temperature:	40 °C
Product number:	On request

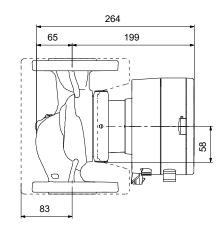
Motor Data

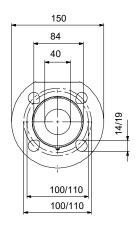
Mains frequency: 50 / 60 Hz
Enclosure class: X4D



Submittal Data







Materials:

Pump housing: Cast iron

Pump housing: ASTM A48-250B Impeller: Composite



Date: 28/11/2023

Project:

Reference Number:

Client:

Client Number:

Contact:

Qty. | Description

MAGNA3 40-60 F



Note! Product picture may differ from actual product

Product No.: On request

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.



Company name: Created by:

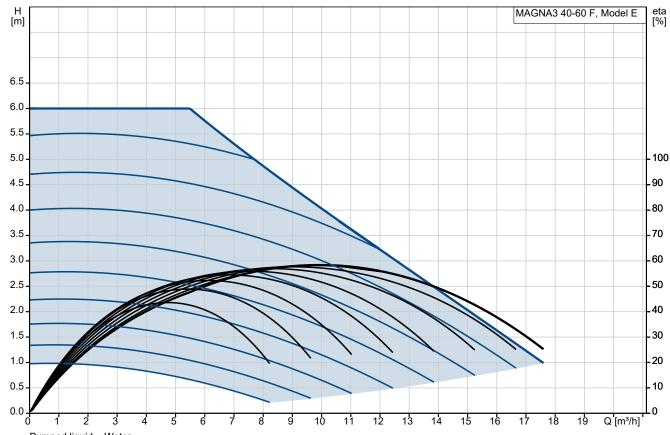
Phone:

Date: 28/11/2023

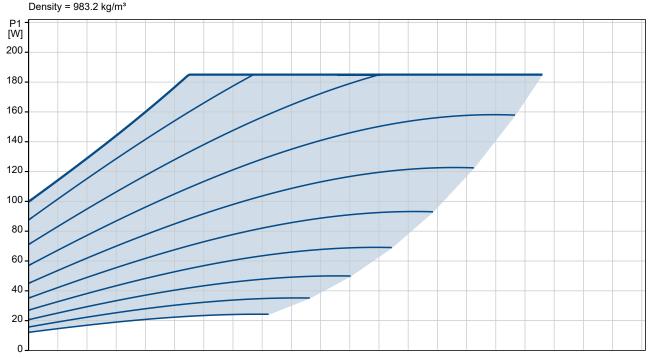
Project: Client:

Reference Number: Client Number: Contact:

On request MAGNA3 40-60 F



Pumped liquid = Water Liquid temperature during operation = 60 °C





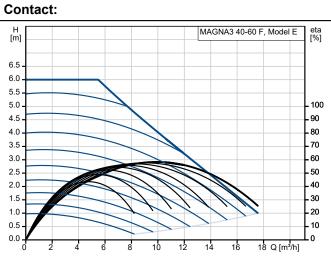
Date: 28/11/2023

Project:

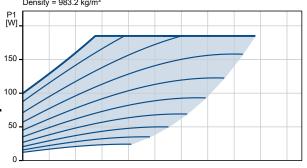
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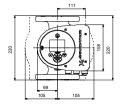
Client: Client Number:

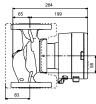
Description	Value		
General information:	Value		
Product name:	MAGNA3 40-60 F		
Product No:	On request		
EAN number:	On request		
Technical:	0.1.044001		
Rated flow:	9.4 m³/h		
Rated head:	4.28 m		
Maximum head:	60 dm		
TF class:	110		
Approvals:	CE,VDE		
Model:	E		
Materials:			
Pump housing:	Cast iron		
Pump housing:	EN 1561 EN-GJL-250		
Pump housing:	ASTM A48-250B		
Impeller:	Composite		
Installation:	Composite		
Range of ambient temperature:	0 40 °C		
Maximum operating pressure:	10 bar		
Type of connection:	DIN		
Size of connection:	DN 40		
Pressure rating for connection:	PN 6/10		
•	220 mm		
Port-to-port length:	220 111111		
Liquid:	Water		
Pumped liquid:	-10 110 °C		
Liquid temperature range:	-10 110 C		
Selected liquid temperature:			
Density: Electrical data:	983.2 kg/m³		
	405 \\		
Maximum power input - P1:	185 W		
P1 min.:	12 W		
Mains frequency:	50 / 60 Hz		
Rated voltage:	1 x 230 V		
Minimum current consumption:	0.11 A		
Maximum current consumption:	1.58 A		
Enclosure class (IEC 34-5):	X4D		
Insulation class (IEC 85):	F		
Others:			
Energy (EEI):	0.19		
Net weight:	10.1 kg		
Gross weight:	10.7 kg		
Shipping volume:	0.019 m³		
Sales region:	D		
Country of origin:	DE		
Custom tariff no.:	84137030		
Environmental approvals:	WEEE		

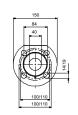


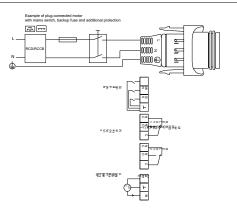
Pumped liquid = Water Liquid temperature during operation = 60 °C Density = 983.2 kg/m³













28/11/2023 Date:

Project:

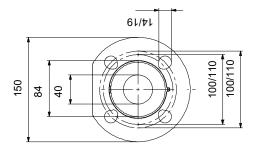
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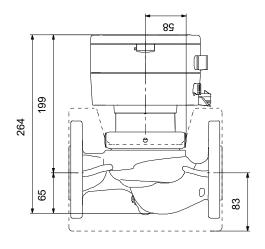
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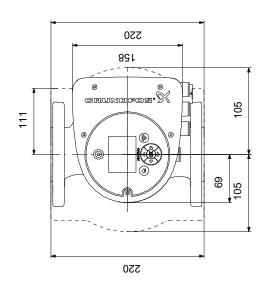
Client Number:

Contact:

On request MAGNA3 40-60 F







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



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Project:

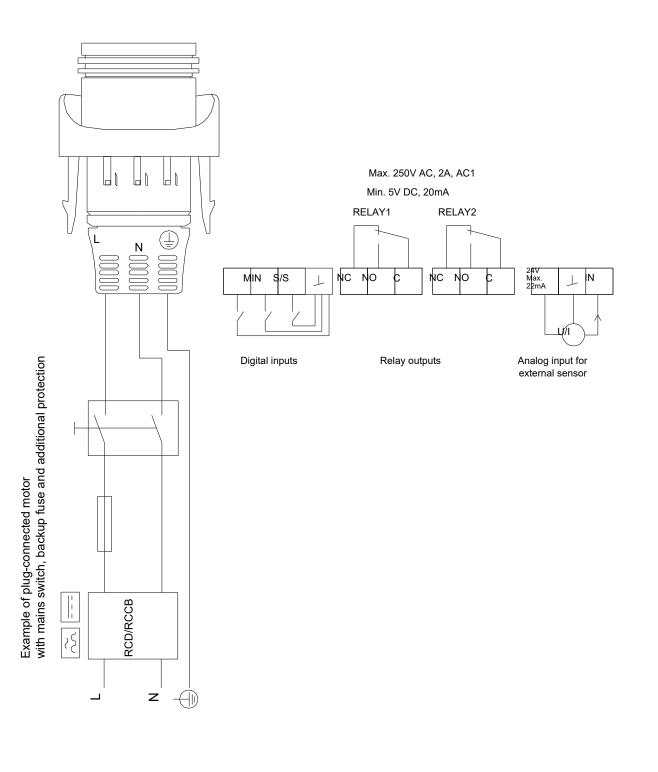
Reference Number:

Client:

Client Number:

Contact:

On request MAGNA3 40-60 F



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



Date: 28/11/2023

Client:

Project: Reference Number: **Client Number:** Contact:

Order Data:						
Position	Your pos.	Product name	Amount	Product No	Total	
		MAGNA3 40-60 F	1	On request	Price on request	
					<u> </u>	