

**Qty. Description**

1 **MAGNA3 40-100 F**



Note! Product picture may differ from actual product

Product No.: [97924269](#)

With its unrivalled efficiency, all-encompassing range and built-in communication capabilities, the MAGNA3 is ideal for engineers and specifiers looking to create high-performance heating and cooling systems.

MAGNA3 is the ideal choice for almost any building project – old or new.

The pump is of the canned-rotor type, which 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.

The MAGNA3 is a pump with no maintenance requirements and with extremely low life cycle cost.

### Characteristic features

- AUTOADAPT
- FLOWADAPT and FLOWLIMIT (reduces the need for pump throttling valves)
- Proportional-pressure control
- Constant-pressure control
- Constant-temperature control
- Differential temperature control (requires an additional temperature sensor)
- Constant-curve duty
- Maximum and minimum curve duty
- Automatic night setback
- Heat energy monitor
- No external motor protection required
- Innovative clamp ring with only one screw enabling easy repositioning of the pump head
- Insulating shells supplied with single-head pumps for heating systems
- Large temperature range due to air cooled electronics

### Communication

- Wireless communication with the Grundfos GO Remote app
- Fieldbus communication via CIM modules
- Digital inputs
- Relay outputs
- Analog input

### Product details

The MAGNA3 is a single-phase pump and characterised by the following

- Controller integrated in the control box
- Control panel with TFT display on the control box
- Control box prepared for optional CIM modules
- Built-in differential-pressure and temperature sensor
- Cast-iron pump housing (also available in stainless steel versions)
- Carbon-fibre-reinforced composite rotor can
- Stainless-steel bearing plate and rotor cladding
- Aluminium alloy stator housing
- Air-cooled power electronics

**Motor and electronic controller**

The 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.

**Liquid:**

Pumped liquid: Heating water  
Liquid temperature range: -10 .. 110 °C  
Density: 983.2 kg/m<sup>3</sup>

**Technical:**

Actual calculated flow: 12 m<sup>3</sup>/h  
Rated flow: 11.7 m<sup>3</sup>/h  
Resulting head of the pump: 5 m  
TF class: 110  
Approvals on nameplate: CE,VDE,EAC,CN ROHS,WEEE

**Materials:**

Pump housing: Cast iron  
EN-GJL-250  
ASTM A48-250B  
Impeller: PES 30%GF

**Installation:**

Range of ambient temperature: 0 .. 40 °C  
Maximum operating pressure: 10 bar  
Flange standard: DIN  
Pipe connection: DN 40  
Pressure rating: PN6/10  
Port-to-port length: 220 mm

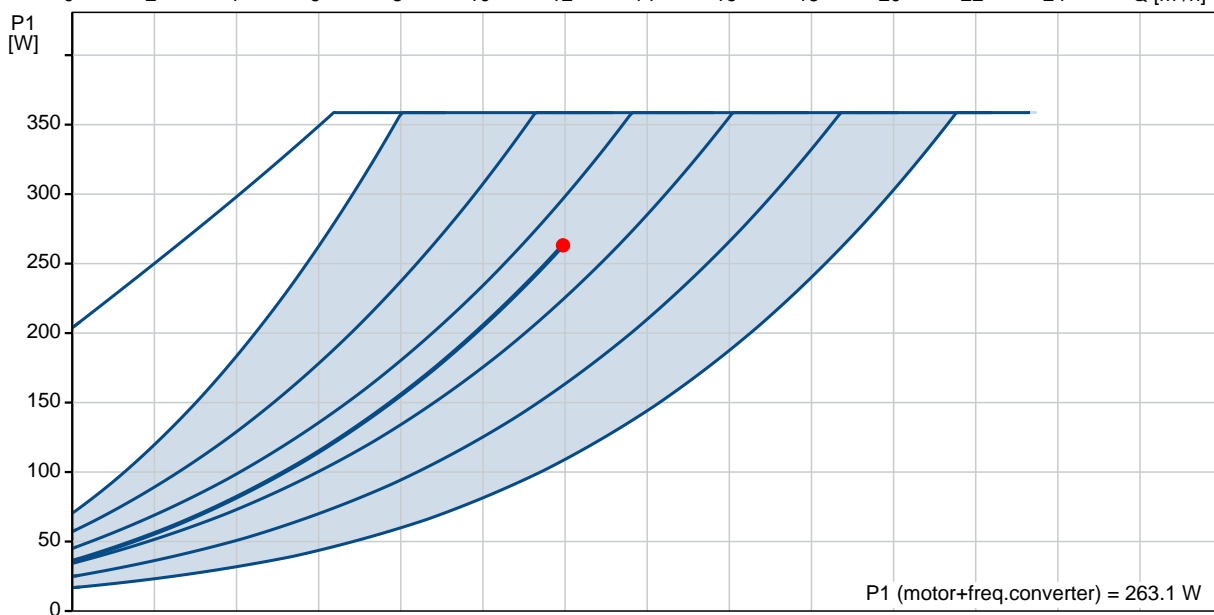
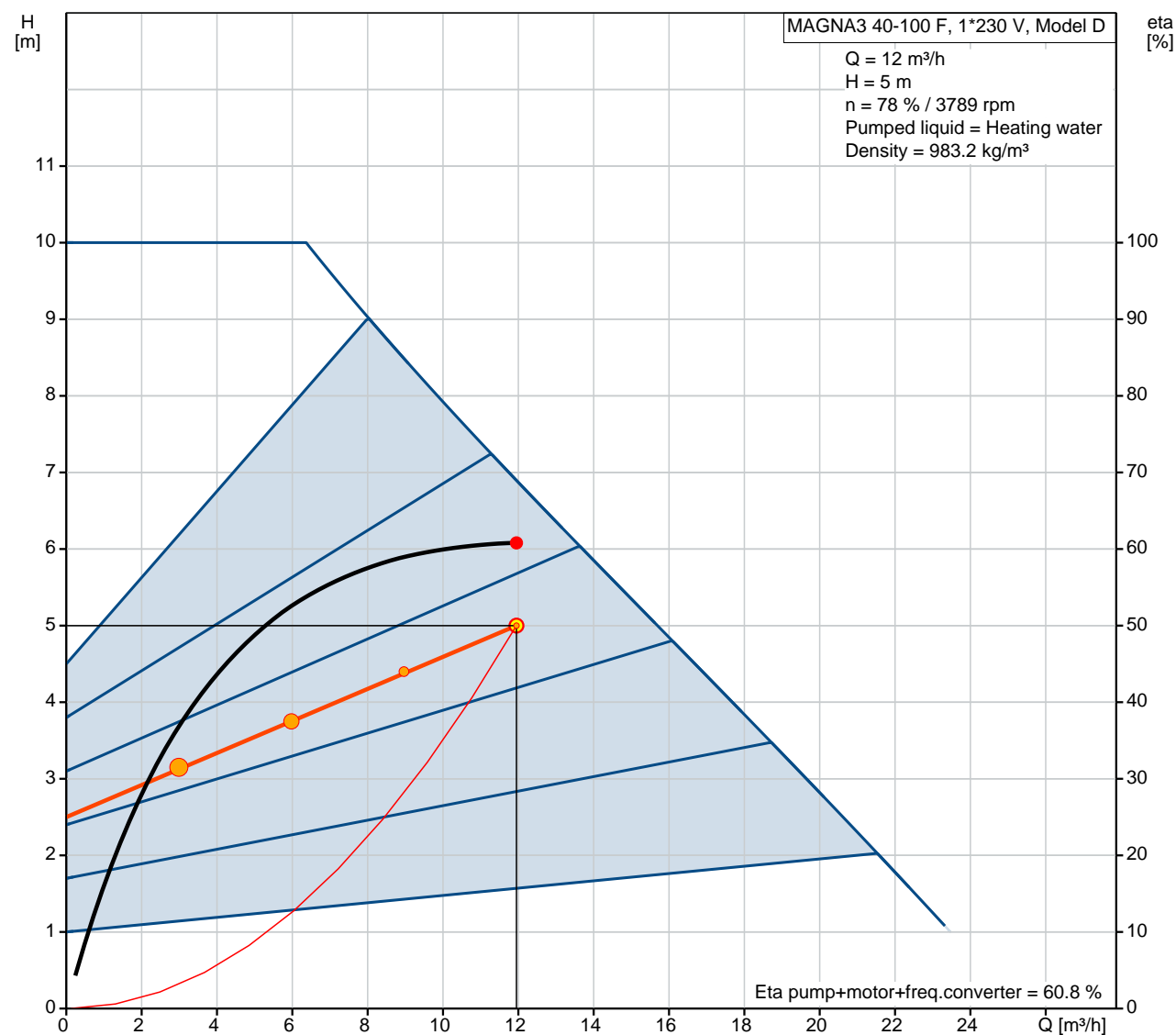
**Electrical data:**

Power input - P1: 18 .. 359 W  
Mains frequency: 50 Hz  
Rated voltage: 1 x 230 V  
Maximum current consumption: 0.2 .. 1.66 A  
Enclosure class (IEC 34-5): X4D  
Insulation class (IEC 85): F

**Others:**

Energy (EEI): 0.18  
Net weight: 16.4 kg  
Gross weight: 18.1 kg  
Shipping volume: 0.04 m<sup>3</sup>  
Danish VVS No.: 380952410  
Swedish RSK No.: 5732488  
Finnish LVI No.: 4615147  
Norwegian NRF no.: 9042661

## 97924269 MAGNA3 40-100 F 50 Hz



Description	Value
<b>General information:</b>	
Product name:	MAGNA3 40-100 F
Product No:	97924269
EAN number:	5710626493449
<b>Technical:</b>	
Actual calculated flow:	12 m³/h
Rated flow:	11.7 m³/h
Resulting head of the pump:	5 m
Head max:	100 dm
TF class:	110
Approvals on nameplate:	CE,VDE,EAC,CN ROHS,WEEE
Model:	D
<b>Materials:</b>	
Pump housing:	Cast iron
	EN-GJL-250
	ASTM A48-250B
Impeller:	PES 30%GF
<b>Installation:</b>	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	10 bar
Flange standard:	DIN
Pipe connection:	DN 40
Pressure rating:	PN6/10
Port-to-port length:	220 mm
<b>Liquid:</b>	
Pumped liquid:	Heating water
Liquid temperature range:	-10 .. 110 °C
Density:	983.2 kg/m³
<b>Electrical data:</b>	
Power input - P1:	18 .. 359 W
Mains frequency:	50 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.2 .. 1.66 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
<b>Others:</b>	
Energy (EEI):	0.18
Net weight:	16.4 kg
Gross weight:	18.1 kg
Shipping volume:	0.04 m³
Danish VVS No.:	380952410
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