Submittal Data

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

MAGNA3 D 80-100 GF



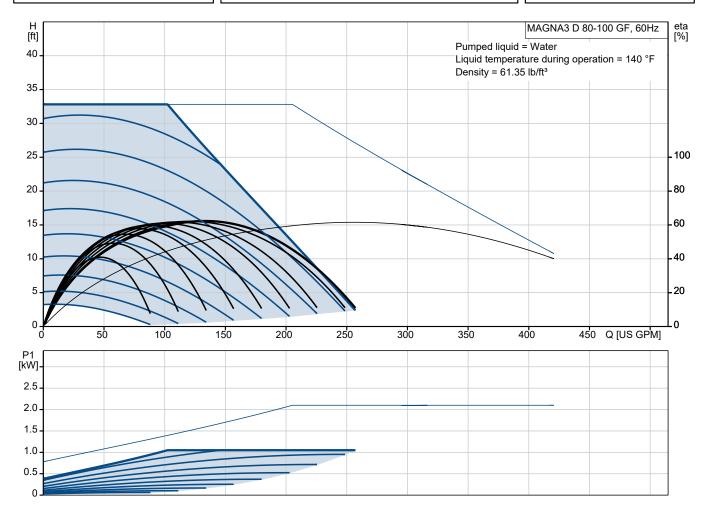
The MAGNA3 D circulator pump means double the performance and reduced downtime. The two pumps communicate wirelessly and connects directly with the Grundfos GO app via Bluetooth.

Note! Product picture may differ from actual product

Conditions	of Service
Liquid:	Water
Temperature:	140 °F
Specific Gravity:	0.985

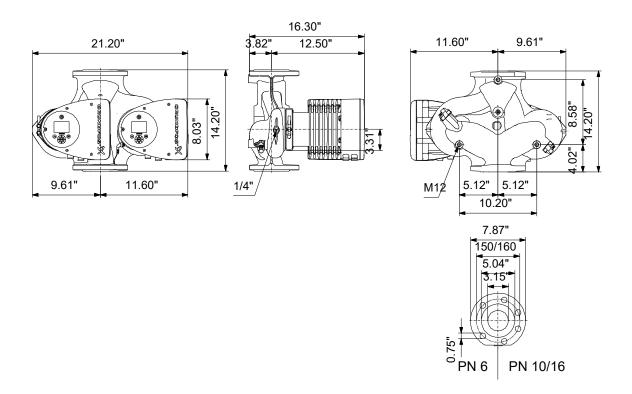
14 230 °F
104 °F
GF
GF80
98126864

Motor Data	a
Mains frequency:	60 Hz
Enclosure class:	X4D



1

Submittal Data



Materials:

Pump housing: Cast iron

Pump housing: ASTM A48-250B Impeller: Composite



Date: 19/07/2024

Qty. | Description

1 MAGNA3 D 80-100 GF



Note! Product picture may differ from actual product

Product No.: 98126864

The Grundfos MAGNA3 D 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 D 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 D offers three multipump modes: Alternating, backup and cascade operation.

In alternating and backup operation, only one pump operates at a time, both ensuring constant comfort.

In alternating operation, the change from one pump to the other depends on time or energy.

If a pump fails, the other pump will take over automatically.

In backup operation, the backup pump is operated at intervals to prevent seizing up.

If the duty pump stops due to a fault, the backup pump will start automatically.

In cascade operation, the pumps automatically switch on and off, adapting to the current consumption in the system.

The two pumps communicate wirelessly.

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

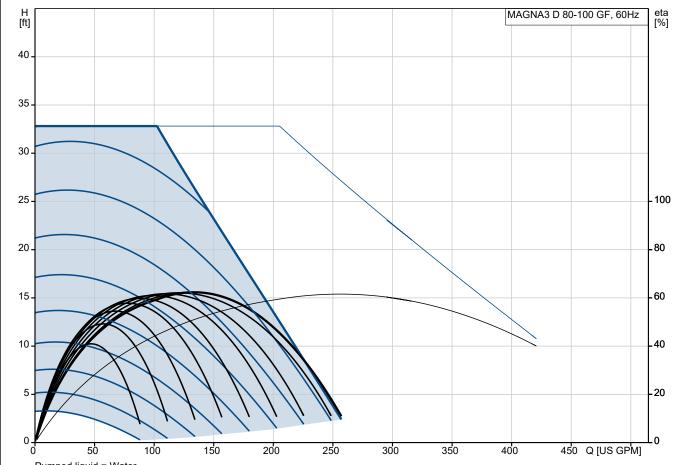
The pump housing is available in both cast-iron and stainless-steel versions. The composite rotor can is carbon-fibre reinforced, the bearing plate and rotor cladding are made of stainless steel and the stator housing is made of aluminium. The power electronics are air-cooled.

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.

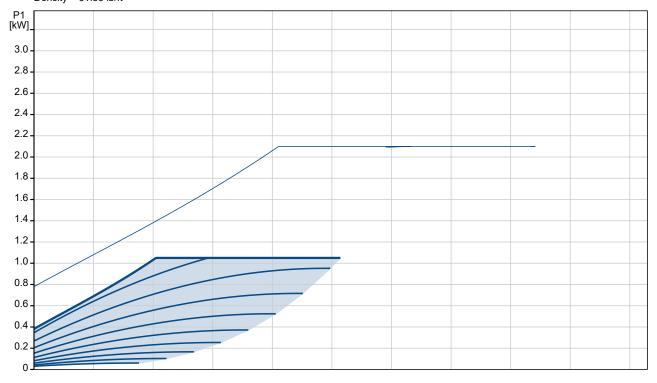


Date: 19/07/2024

98126864 MAGNA3 D 80-100 GF 60 Hz



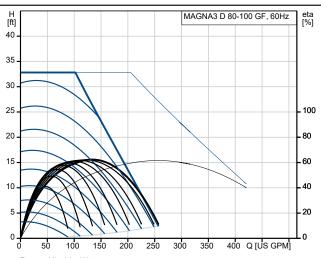
Pumped liquid = Water Liquid temperature during operation = 140 °F Density = 61.35 lb/ft³



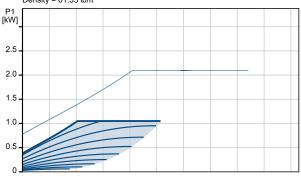


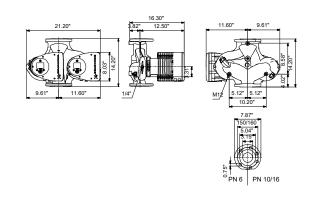
Date: 19/07/2024

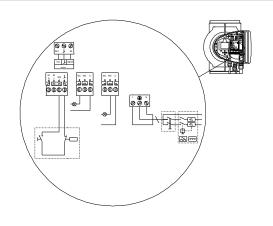
General information: MAGNA3 D 80-100 GF Product name: MAGNA3 D 80-100 GF Product No: 98126864 EAN number: 5710629500267 Price: 7710629500267 Technical: 142 US GPM Rated flow: 142 US GPM Rated head: 24.28 ft Maximum head: 32.81 ft TF class: 110 Approvals: cETLus, Proposition 65 Model: E Materials: Cast iron Pump housing: EN 1561 EN-GJL-250 Pump housing: EN 1561 EN-GJL-250 Pump housing: ASTM A48-250B Impeller: Composite Installation: 32 104 °F Range of ambient temperature: 32 104 °F Maximum operating pressure: 174.05 psi Flange standard: GF Opipe connection: GF80 Pressure rating for connection: PN 12 Port-to-port length: 14 3/16 in Liquid: Water Liquid temperature range:	Description	Value
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Net weight: Gross weight: Shipping volume: Country of origin: 117 lb 138 lb 7.31 ft³ DE	Energy (EEI):	0.17
Gross weight: 138 lb Shipping volume: 7.31 ft³ Country of origin: DE		
Country of origin: DE	_	138 lb
Country of origin: DE	Shipping volume:	7.31 ft ³
· · · · · · · · · · · · · · · · · · ·	•	
	Custom tariff no.:	8413.70.2015



Pumped liquid = Water Liquid temperature during operation = 140 °F Density = 61.35 lb/ft³



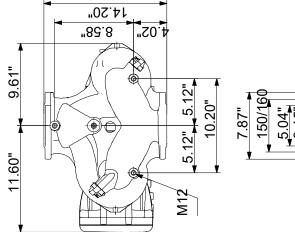


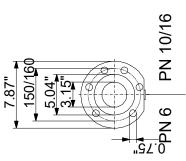


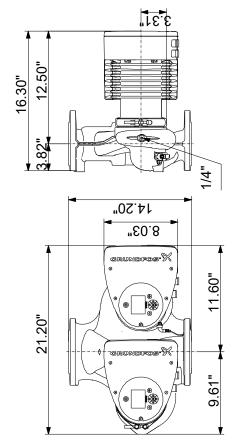


19/07/2024 Date:

98126864 MAGNA3 D 80-100 GF 60 Hz





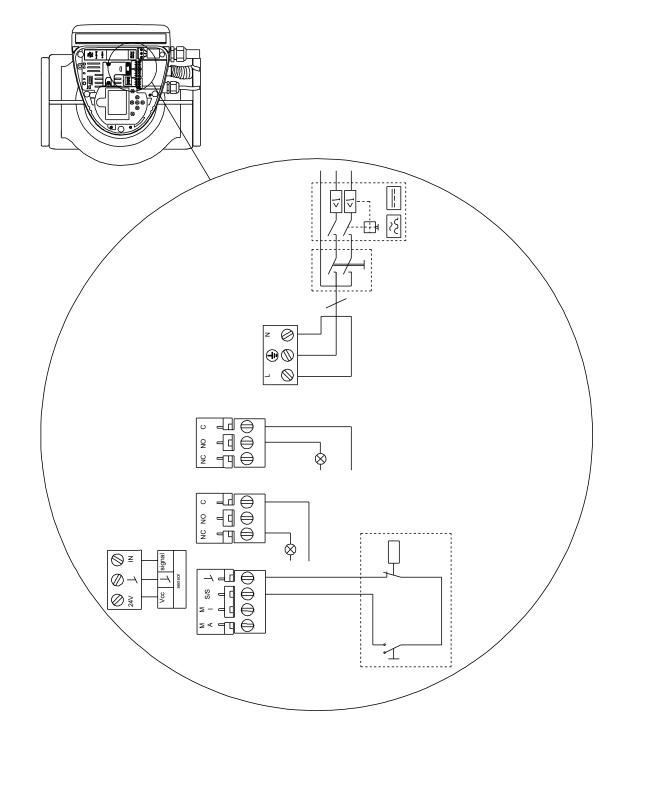


Note! All units are in [in] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 19/07/2024

98126864 MAGNA3 D 80-100 GF 60 Hz



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



Date: 19/07/2024

Order Data:

Position	Your pos.	Product name	Amount	Product No	Total
		MAGNA3 D 80-100 GF	1	98126864	