



Company name:

Created by:

Phone:

Date:

12/31/2021

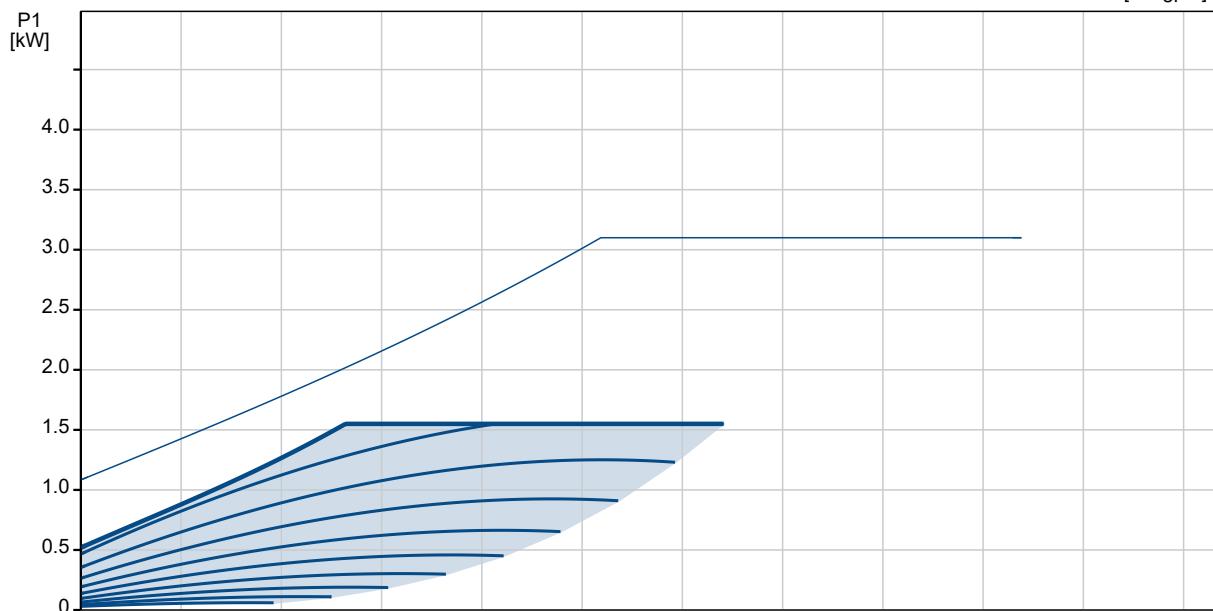
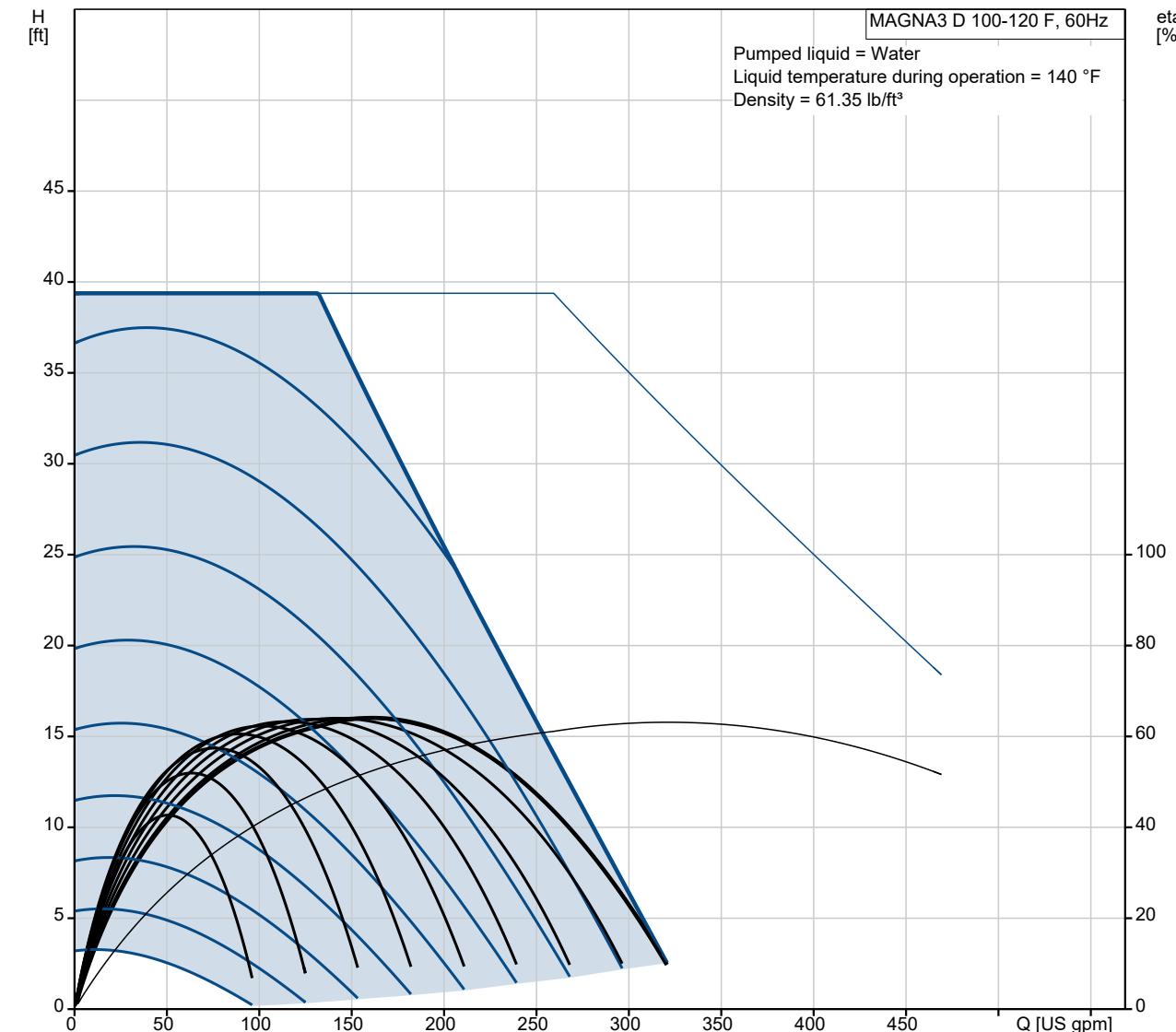
Count	Description
1	<p><b>MAGNA3 D 100-120 F</b></p>  <p>Product No.: <a href="#">98126865</a></p> <p>The Grundfos MAGNA3 D circulator pump is the ideal choice for almost any building project – old or new. With its unrivalled energy efficiency, all-encompassing range and built-in communication capabilities, MAGNA3 D is ideal for engineers and specifiers looking to create high-performance heating and cooling systems.</p> <p>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.</p> <p>MAGNA3 D offers three multipump modes: Alternating, backup and cascade operation.</p> <p>In alternating and backup operation, only one pump operates at a time, both ensuring constant comfort.</p> <p>In alternating operation, the change from one pump to the other depends on time or energy.</p> <p>If a pump fails, the other pump will take over automatically.</p> <p>In backup operation, the backup pump is operated at intervals to prevent seizing up.</p> <p>If the duty pump stops due to a fault, the backup pump will start automatically.</p> <p>In cascade operation, the pumps automatically switch on and off, adapting to the current consumption in the system.</p> <p>The two pumps communicate wirelessly.</p> <p>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.</p> <p>The pump includes fieldbus communication via CIM modules as well as analog and digital inputs and configurable relays.</p> <p>Control features include AUTOADAPT and FLOWADAPT. FLOWADAPT which reduces the need for throttling valves, thus cutting costs on system components.</p> <p>MAGNA3 D is the superior choice for a wide range of heating and cooling applications, including:</p> <ul style="list-style-type: none"><li>• Mixing loops</li><li>• Heating surfaces</li><li>• Air conditioning surfaces</li><li>• Ground-source heat pump systems</li><li>• Smaller chiller applications.</li></ul> <p>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.</p> <p>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.</p> <p>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.</p>



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## 98126865 MAGNA3 D 100-120 F 60 Hz





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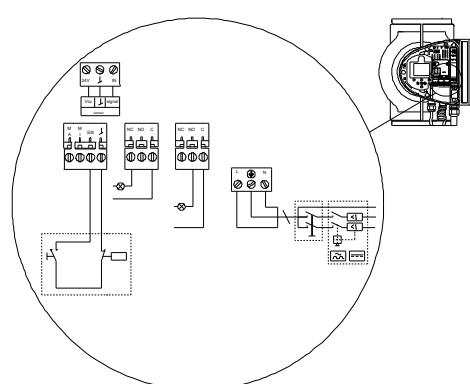
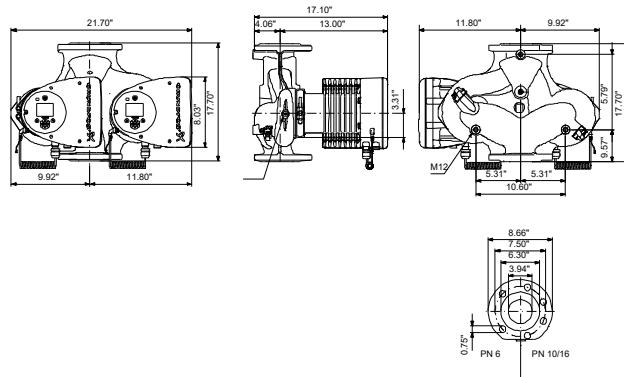
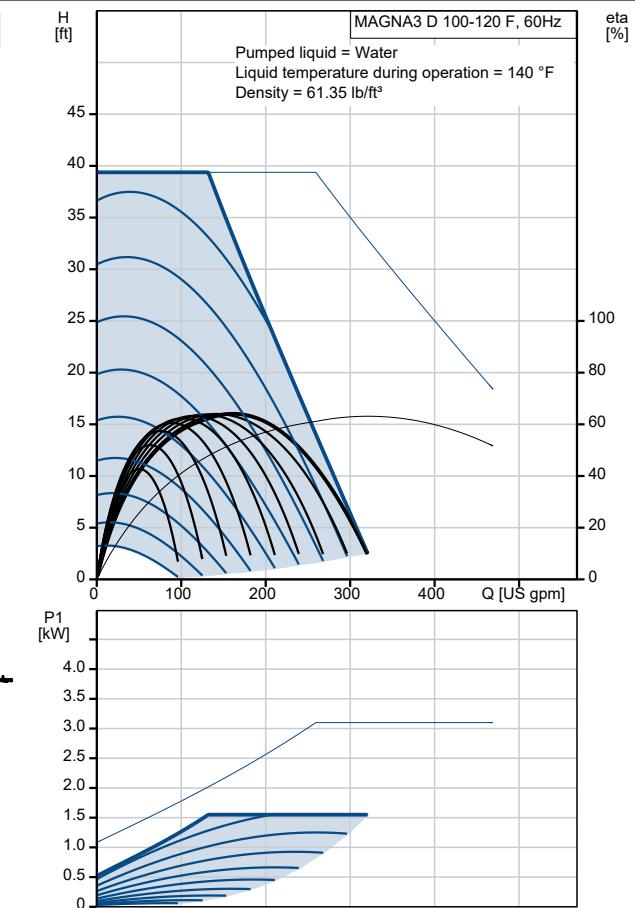
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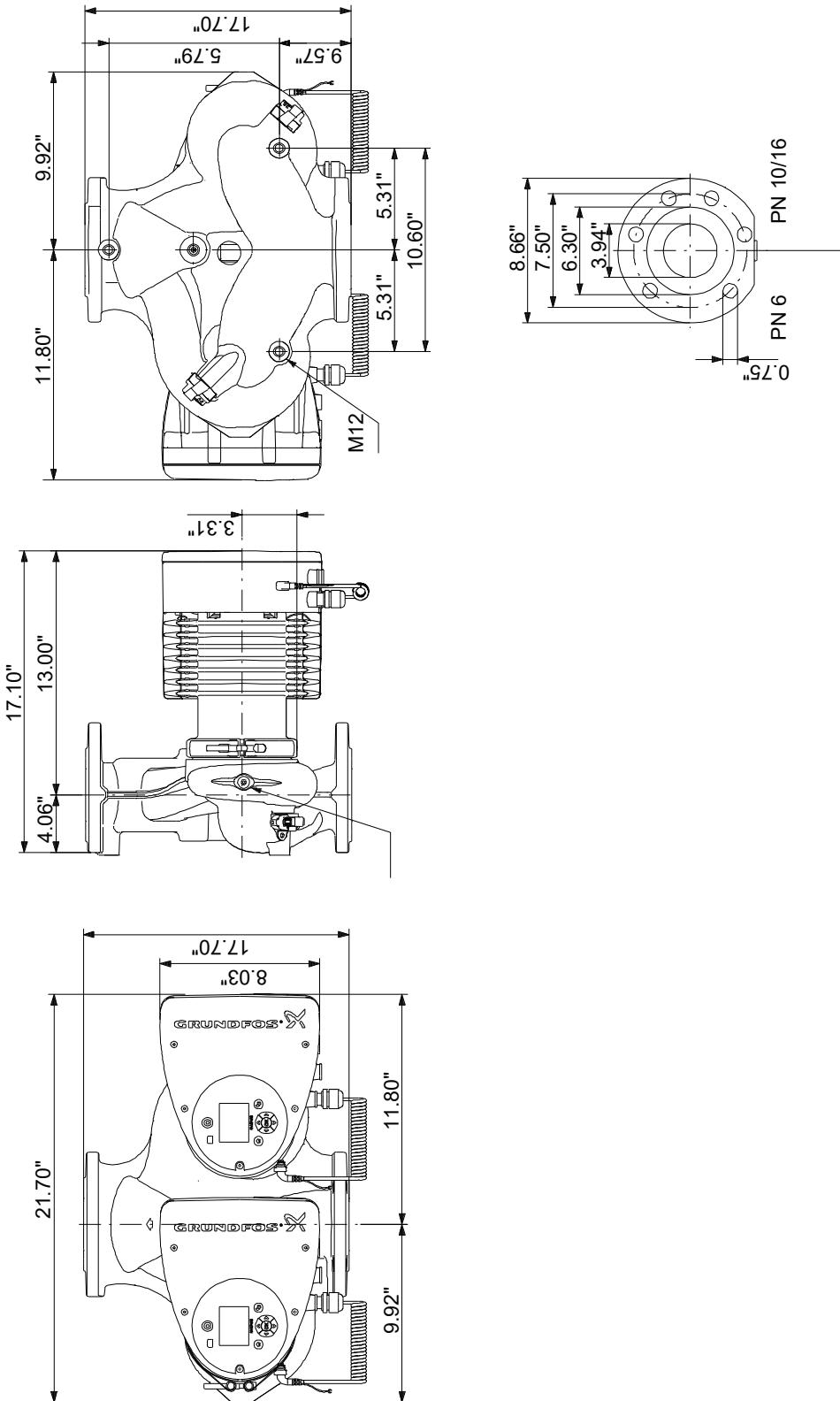
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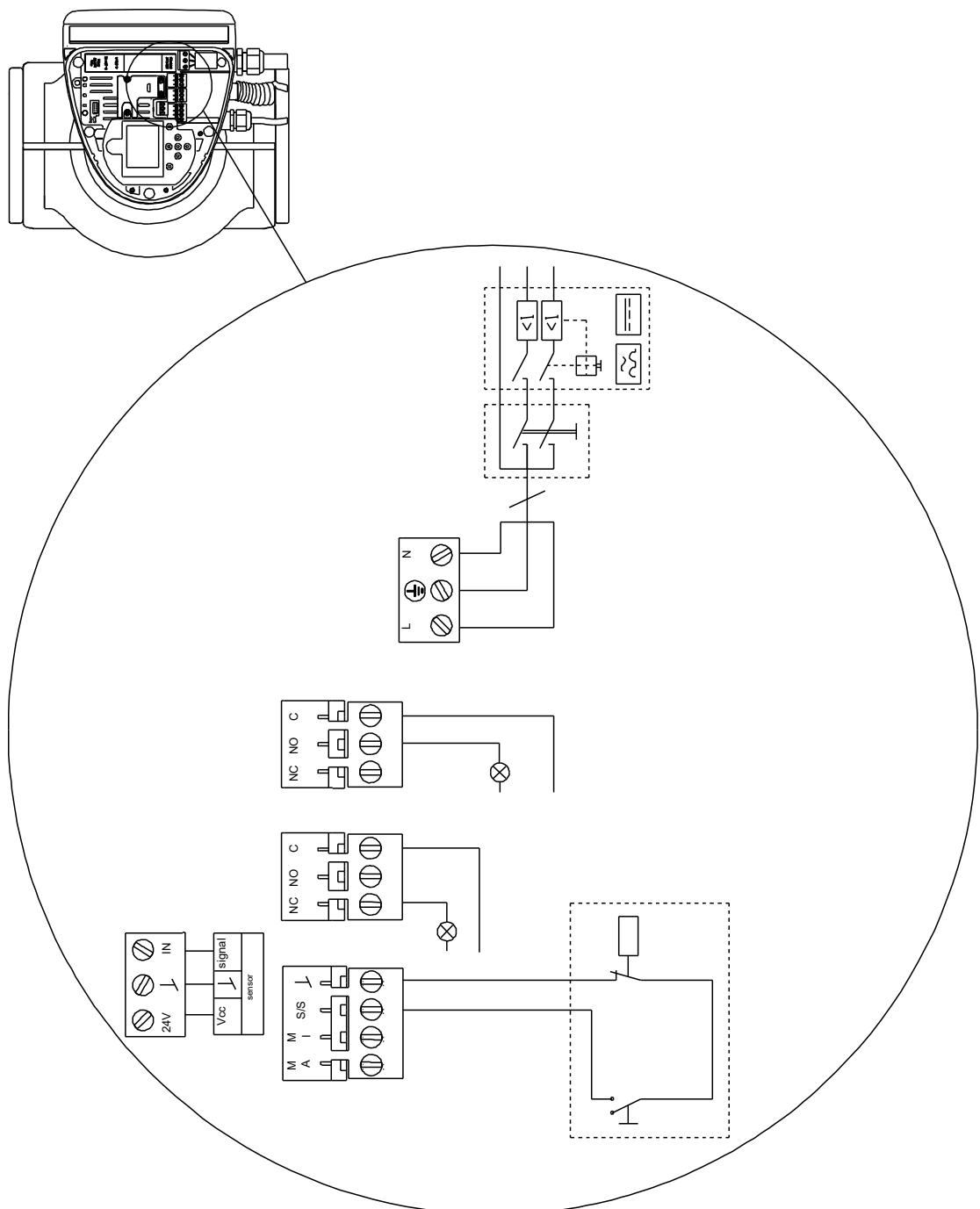
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Description	Value
<b>General information:</b>	
Product name:	MAGNA3 D 100-120 F
Product No.:	98126865
EAN:	5710629500274
<b>Technical:</b>	
Rated flow:	165 US gpm
Rated head:	31.83 ft
Head max:	39.37 ft
TF class:	110
Approvals on nameplate:	99910182
Model:	D
<b>Materials:</b>	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM A48-250B
Impeller:	PES 30%GF
<b>Installation:</b>	
Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	174.05 psi
Flange standard:	GF
Pipe connection:	GF100
Pressure stage:	PN12
Port-to-port length:	17 3/4 in
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	14 .. 230 °F
Selected liquid temperature:	140 °F
Density:	61.35 lb/ft³
<b>Electrical data:</b>	
Power input - P1:	35 .. 1550 W
Main frequency:	60 Hz
Rated voltage:	1 x 208-230 V
Maximum current consumption:	0.35 .. 6.94 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
<b>Others:</b>	
Energy (EEI):	0.17
Net weight:	138 lb
Gross weight:	160 lb
Shipping volume:	7.31 ft³
Country of origin:	DE
Custom tariff no.:	8413.70.2015



**98126865 MAGNA3 D 100-120 F 60 Hz**

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

**98126865 MAGNA3 D 100-120 F 60 Hz**

All units are [in] unless otherwise presented.