

Qty.	Description
1	<p data-bbox="199 338 443 367"><b>MAGNA3 D 32-120 F</b></p> <div data-bbox="279 510 497 667" style="text-align: center;">  </div> <p data-bbox="592 770 1075 795" style="text-align: center;"><b>Note! Product picture may differ from actual product</b></p> <p data-bbox="199 801 469 831">Product No.: <a href="#">97924454</a></p> <p data-bbox="199 862 1461 940">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.</p> <p data-bbox="199 947 1461 1025">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 data-bbox="199 1032 1417 1088">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.</p> <p data-bbox="199 1095 1422 1151">The pump includes fieldbus communication via CIM modules as well analog and digital inputs and configurable relays.</p> <p data-bbox="199 1158 1461 1214">Control features include FLOWADAPT, which reduces the need for throttling valves, thus cutting costs on system components.</p> <p data-bbox="199 1220 1241 1249">MAGNA3 is the superior choice for a wide range of heating and cooling applications, including:</p> <ul data-bbox="199 1256 954 1384" 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 data-bbox="199 1391 1437 1447">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.</p> <p data-bbox="199 1453 1437 1532">The pump housing is available in both cast-iron and stainless-steel versions. The composite rotor can be 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 data-bbox="199 1538 1401 1617">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> <p data-bbox="199 1624 309 1653">Features:</p> <ul data-bbox="199 1659 1449 2092" style="list-style-type: none"> <li>• Vast communication options, including inputs, relays and fieldbus</li> <li>The most energy-efficient pump range within the industry</li> <li>Intelligent control functions</li> <li>Stainless-steel variant to accommodate domestic hot-water applications</li> <li>AutoAdapt</li> <li>FlowAdapt, which reduces the need for throttling valves, cutting costs on system components</li> <li>Proportional-pressure control</li> <li>Constant-pressure control</li> <li>Constant-temperature control</li> <li>Constant-flow control</li> <li>Differential-temperature control (requires an additional temperature sensor)</li> <li>Constant-curve duty</li> <li>Maximum and minimum curve duty</li> <li>Automatic night setback</li> </ul>



**Company name:** Anchor Pumps Company Limited

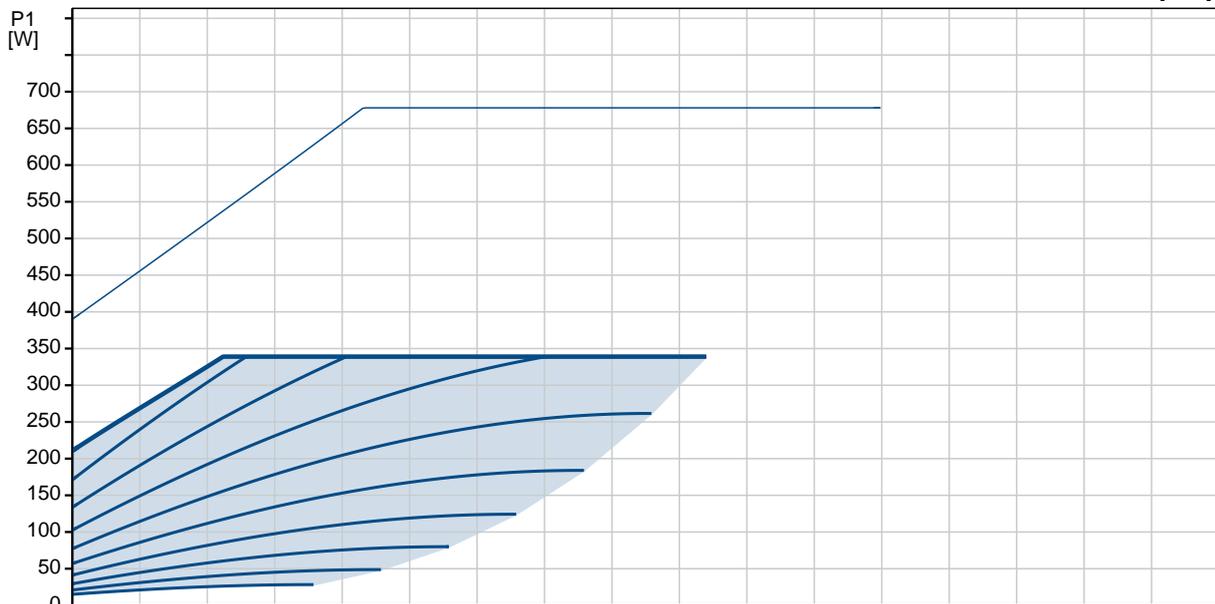
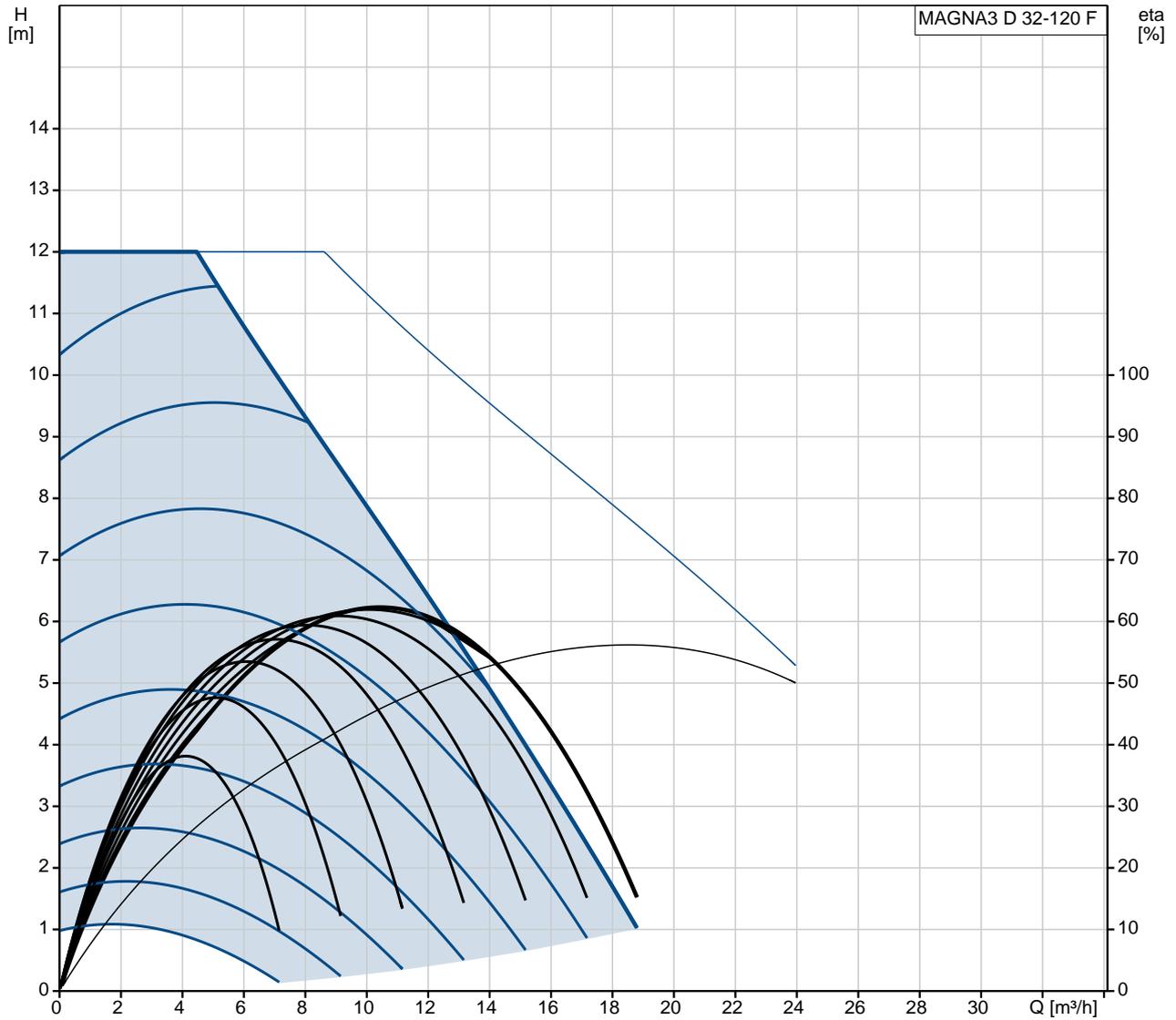
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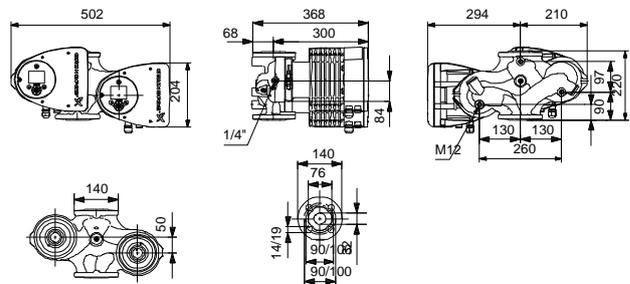
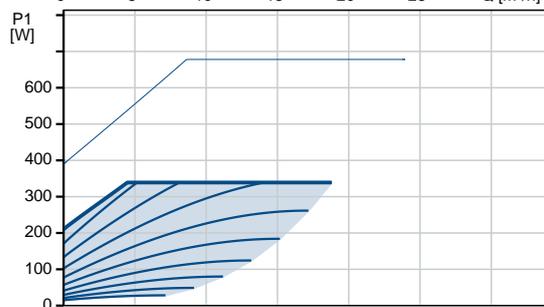
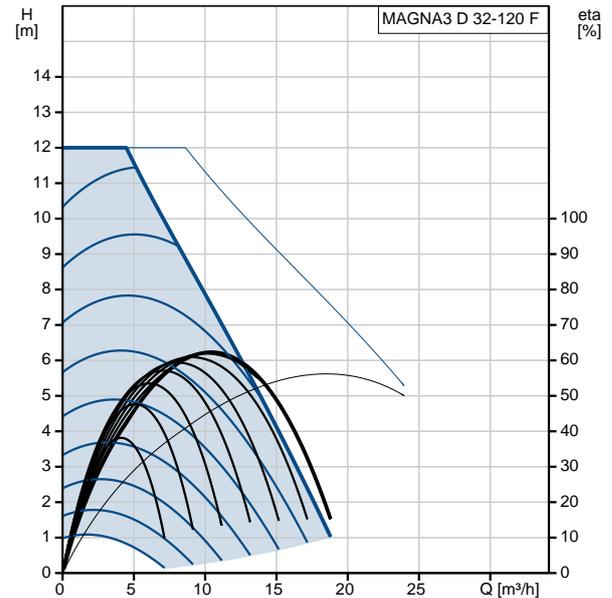
**Date:** 20/11/2020

Qty.	Description
	<p>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.</p>

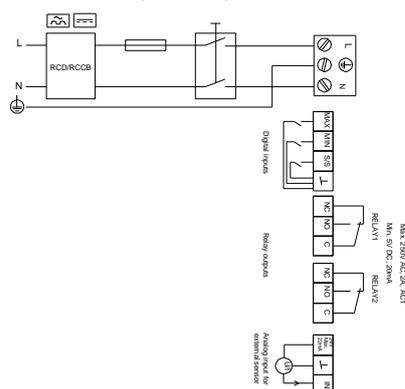
## 97924454 MAGNA3 D 32-120 F



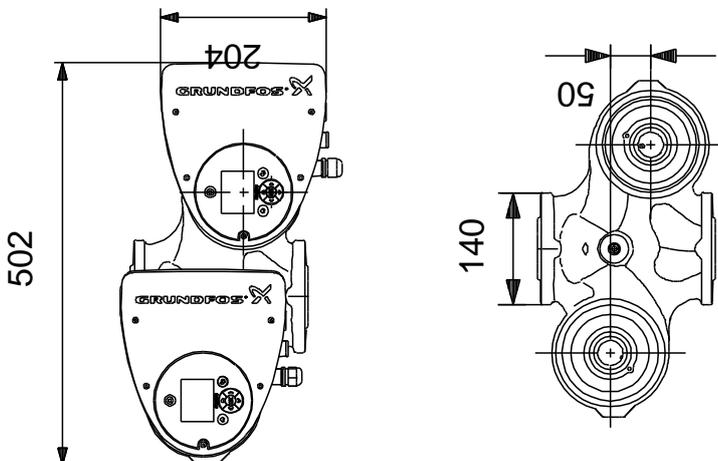
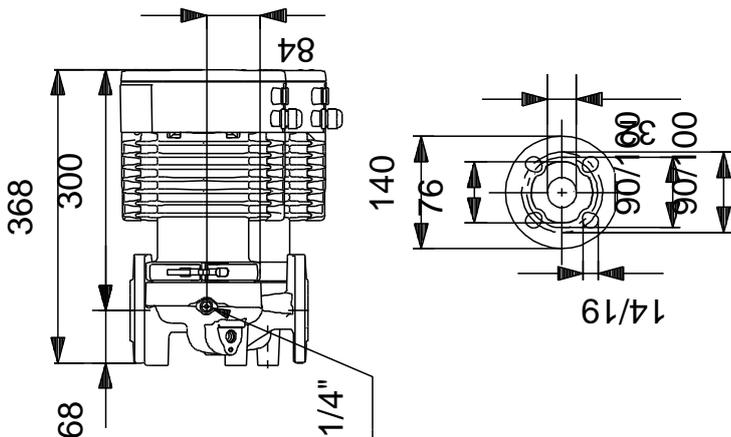
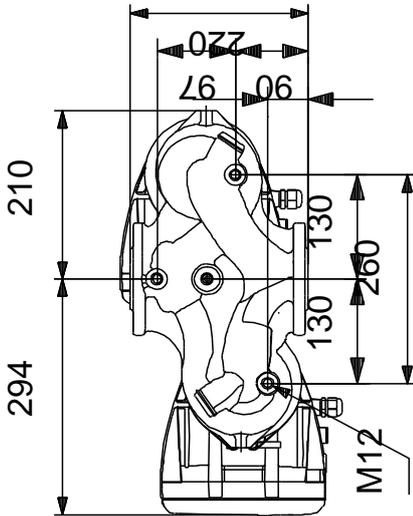
Description	Value
<b>General information:</b>	
Product name:	MAGNA3 D 32-120 F
Product No:	97924454
EAN number:	5710626495320
<b>Technical:</b>	
Rated flow:	10.13 m <sup>3</sup> /h
Rated head:	7.777 m
Head max:	120 dm
TF class:	110
Approvals on nameplate:	CE, VDE, EAC, CN ROHS, WEEE
Model:	D
<b>Materials:</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:	0 .. 40 °C
Maximum operating pressure:	10 bar
Flange standard:	DIN
Pipe connection:	DN 32
Pressure rating:	PN 6/10
Port-to-port length:	220 mm
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-10 .. 110 °C
Selected liquid temperature:	60 °C
Density:	983.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Power input - P1:	16 .. 339 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.18 .. 1.53 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
<b>Others:</b>	
Energy (EEI):	0.19
Net weight:	29.7 kg
Gross weight:	33.5 kg
Shipping volume:	0.087 m <sup>3</sup>
Swedish RSK No.:	5732528
Norwegian NRF no.:	9042754
Country of origin:	DE
Custom tariff no.:	84137030



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



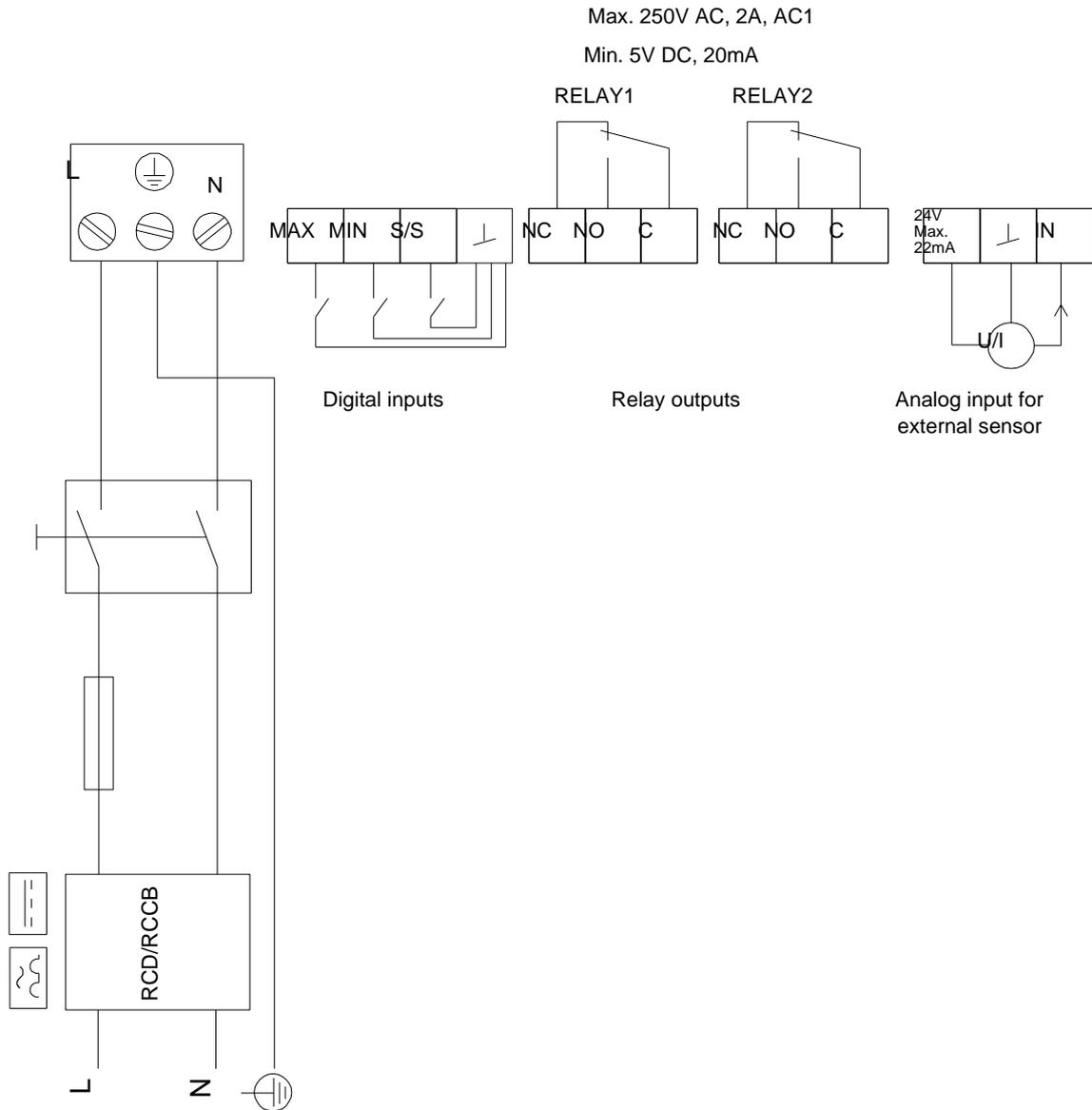
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Note! All units are in [mm] unless others are stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

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



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