

**Project:**  
**Reference Number:**

**Client:**  
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**Contact:**

Qty.	Description
1	<p data-bbox="199 436 438 470"><b>MAGNA1 40-150 F N</b></p>  <p data-bbox="590 772 1061 806">Note! Product picture may differ from actual product</p> <p data-bbox="199 817 470 851">Product No.: <a href="#">99221326</a></p> <p data-bbox="199 907 1436 1019">The Grundfos MAGNA1 circulator pump is the simple option for a job well done. With its high energy efficiency the product lives up to the EuP 2015 regulations ensuring substantial savings on electricity, and with its intuitive, user-friendly interface and maintenance-free design, MAGNA1 is the ideal circulator pump for basic performance needs in applications where basic system control and monitoring are desired.</p> <p data-bbox="199 1041 1444 1108">With this range of circulator pumps, everything from setup to basic control and monitoring are made easy. The pump is maintenance-free due to the canned-rotor type design.</p> <p data-bbox="199 1108 1428 1164">MAGNA1 offers the possibility of monitoring the pump via the fault relay output. The digital start/stop input remotely controls the pump.</p> <p data-bbox="199 1164 973 1198">The pump communicates wirelessly with the Grundfos GO Remote app.</p> <p data-bbox="199 1198 1109 1232">MAGNA1 can work as main pump in both heating and cooling applications, including:</p> <ul data-bbox="199 1254 598 1400" 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 1433 1412 1489">MAGNA1 is a single-phase pump and characterised by having the controller and operating panel integrated in the control box.</p> <p data-bbox="199 1489 1021 1523">The pump housing is available in both cast-iron and stainless-steel versions.</p> <p data-bbox="199 1523 1428 1579">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.</p> <p data-bbox="199 1579 598 1612">The power electronics are air-cooled.</p> <p data-bbox="199 1668 1460 1747">The pump 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>

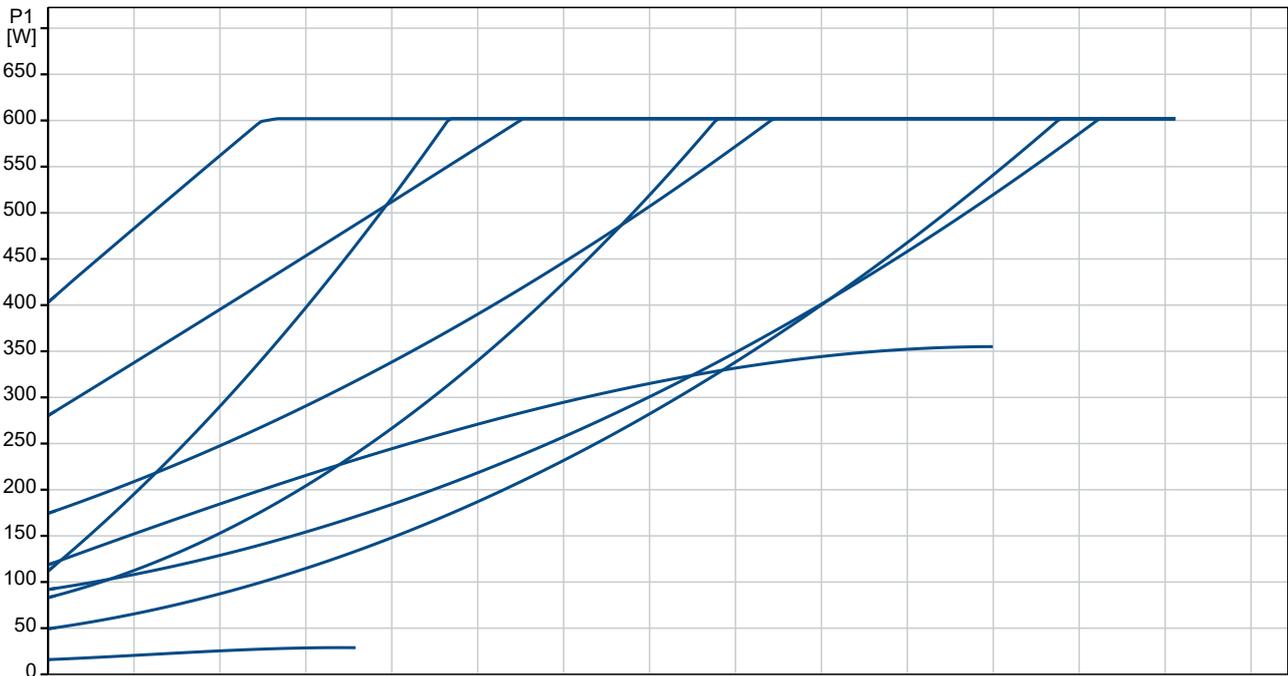
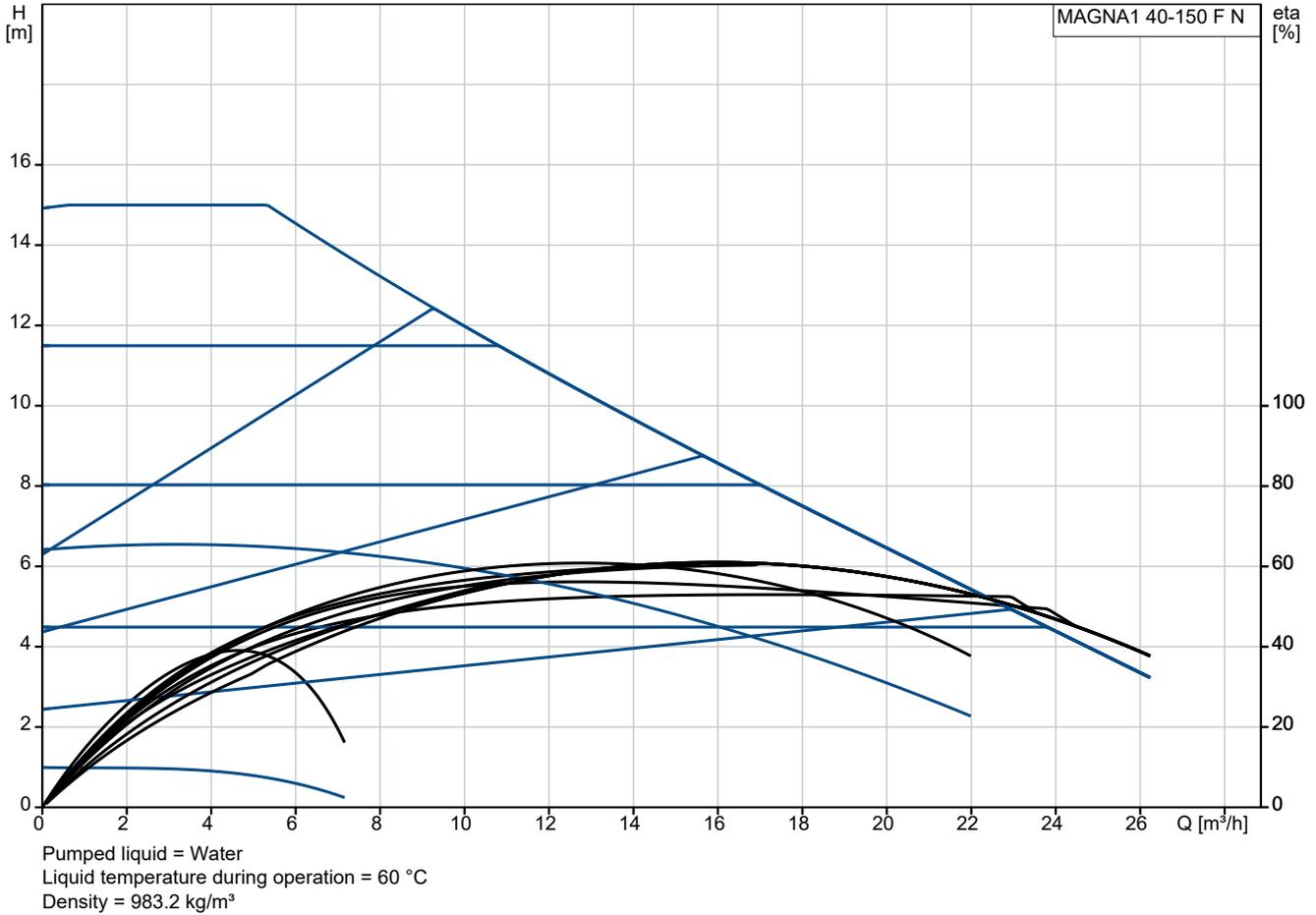


Company name: national pumps and boilers  
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Date: 28/12/2023

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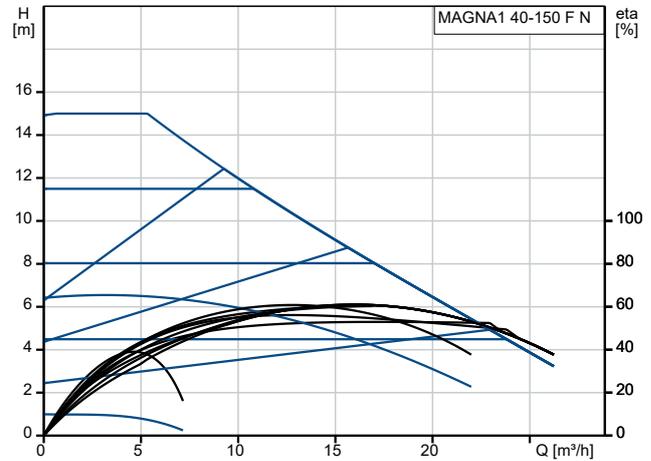
### 99221326 MAGNA1 40-150 F N



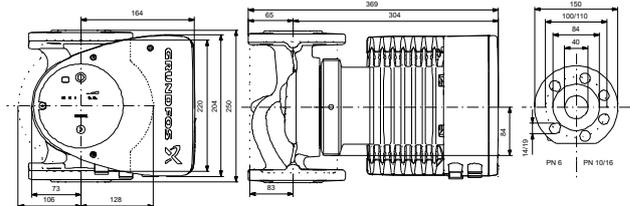
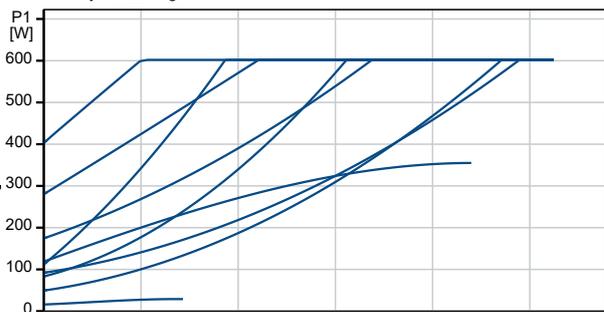
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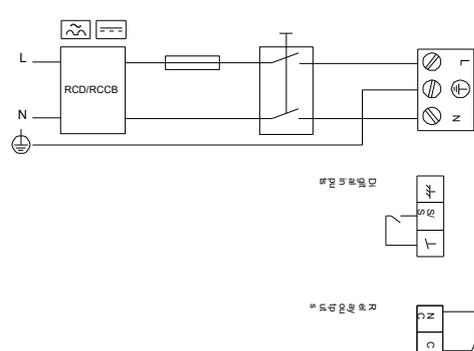
Description	Value
<b>General information:</b>	
Product name:	MAGNA1 40-150 F N
Product No:	99221326
EAN number:	5712608942990
<b>Technical:</b>	
Maximum head:	150 dm
TF class:	110
Approvals:	CE,VDE,EAC,MOROCCO,UKCA,TSE,RCM,UkrSEPRO
Approvals for drinking water:	WRAS, ACS, UBA
Model:	C
<b>Materials:</b>	
Pump housing:	Stainless steel
Pump housing:	EN 1.4308
Pump housing:	ASTM A351-CF8
Impeller:	Composite
<b>Installation:</b>	
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
Port-to-port length:	250 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>	
Maximum power input - P1:	615 W
P1 min.:	16.01 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Minimum current consumption:	0.18 A
Maximum current consumption:	2.71 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
<b>Others:</b>	
Energy (EEL):	0.20
Net weight:	16.6 kg
Gross weight:	18.2 kg
Shipping volume:	0.039 m <sup>3</sup>
Country of origin:	DE
Custom tariff no.:	84137030
Environmental approvals:	CN ROHS,WEEE



Pumped liquid = Water  
 Liquid temperature during operation = 60 °C  
 Density = 983.2 kg/m<sup>3</sup>



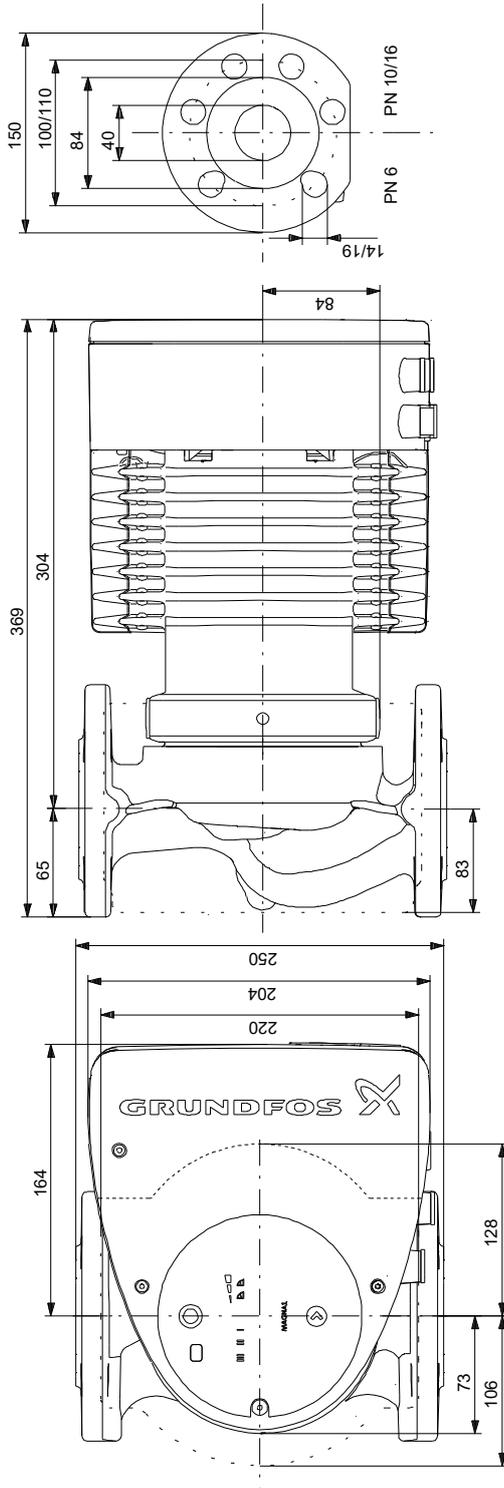
Example of mains-connected motor with mains switch, backup fuse and additional protection



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