



Company name:

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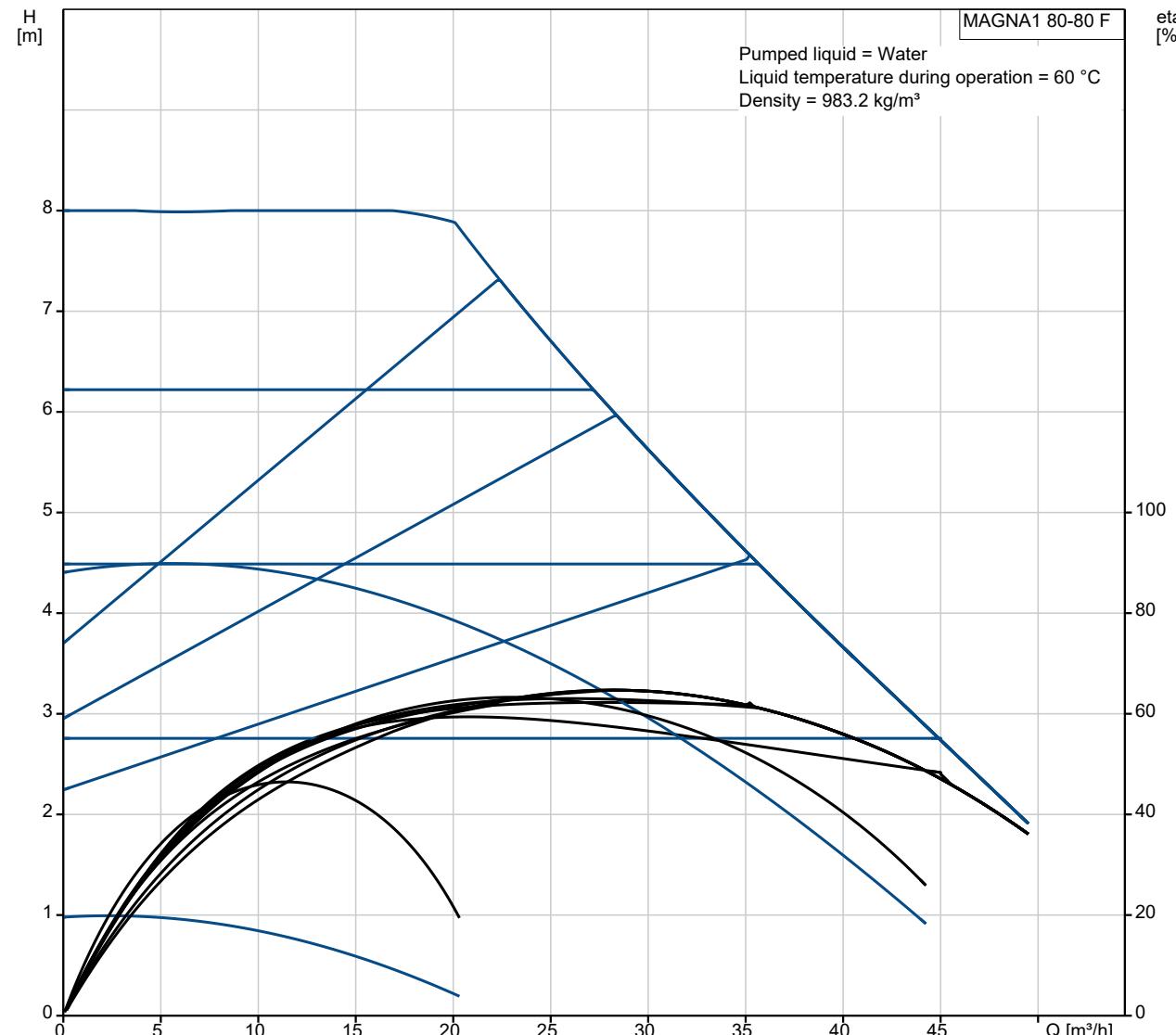
Phone:

Date:

22/09/2021

Qty.	Description
1	<p><b>MAGNA1 80-80 F</b></p>  <p><b>Note! Product picture may differ from actual product</b></p> <p>Product No.: On request</p> <p>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>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>MAGNA1 offers the possibility of monitoring the pump via the fault relay output. The digital start/stop input remotely controls the pump.</p> <p>The pump communicates wirelessly with the Grundfos GO Remote app.</p> <p>MAGNA1 can work as main pump in both 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>MAGNA1 is a single-phase pump and characterised by having the controller and operating panel integrated in the control box.</p> <p>The pump housing is available in both cast-iron and stainless-steel versions.</p> <p>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>The power electronics are air-cooled.</p> <p>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>

**On request MAGNA1 80-80 F**



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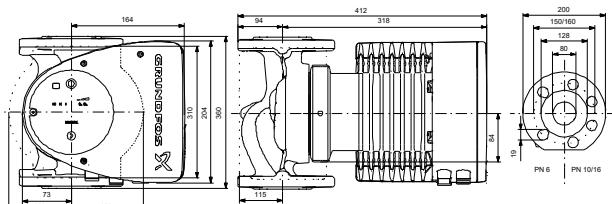
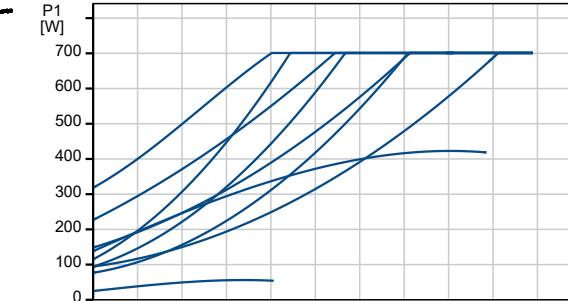
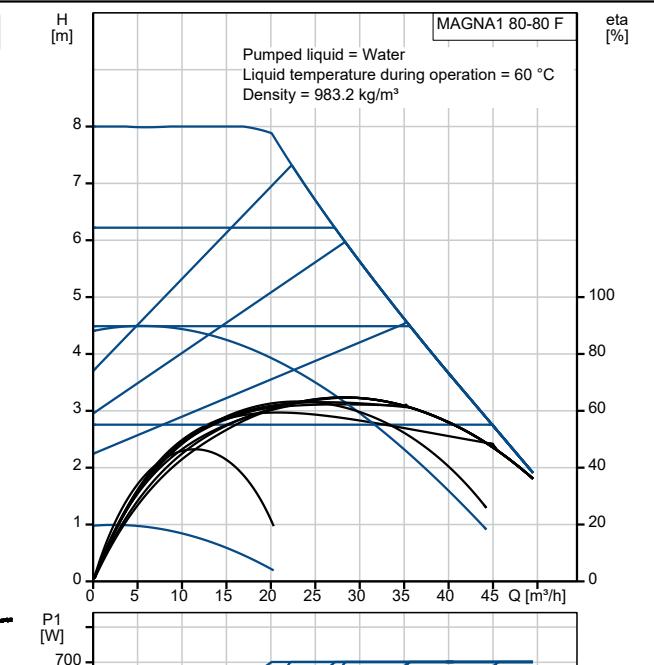
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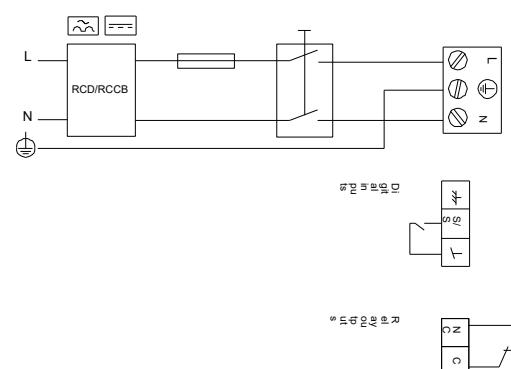
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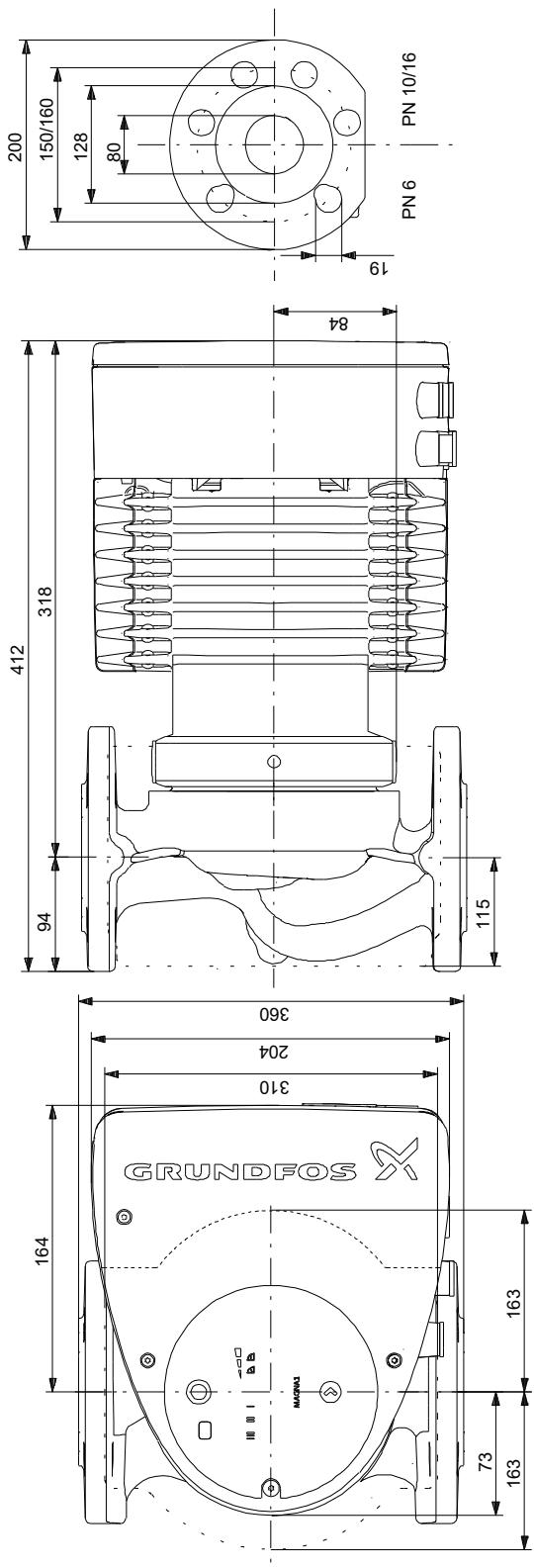
Description	Value
<b>General information:</b>	
Product name:	MAGNA1 80-80 F
Product No:	On request
EAN number:	On request
<b>Technical:</b>	
Head max:	80 dm
TF class:	110
Approvals on nameplate:	CE,VDE,EAC,CN ROHS,WEVE
Model:	C
<b>Materials:</b>	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM A48-250B
Impeller:	PES 30%GF
<b>Installation:</b>	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	6 bar
Flange standard:	DIN
Pipe connection:	DN 80
Pressure rating:	PN 6
Port-to-port length:	360 mm
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-10 .. 110 °C
Selected liquid temperature:	60 °C
Density:	983.2 kg/m³
<b>Electrical data:</b>	
Power input - P1:	26.32 .. 715 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Maximum current consumption:	0.28 .. 3.14 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
<b>Others:</b>	
Energy (EEI):	0.20
Net weight:	28.7 kg
Gross weight:	31.5 kg
Shipping volume:	0.071 m³



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



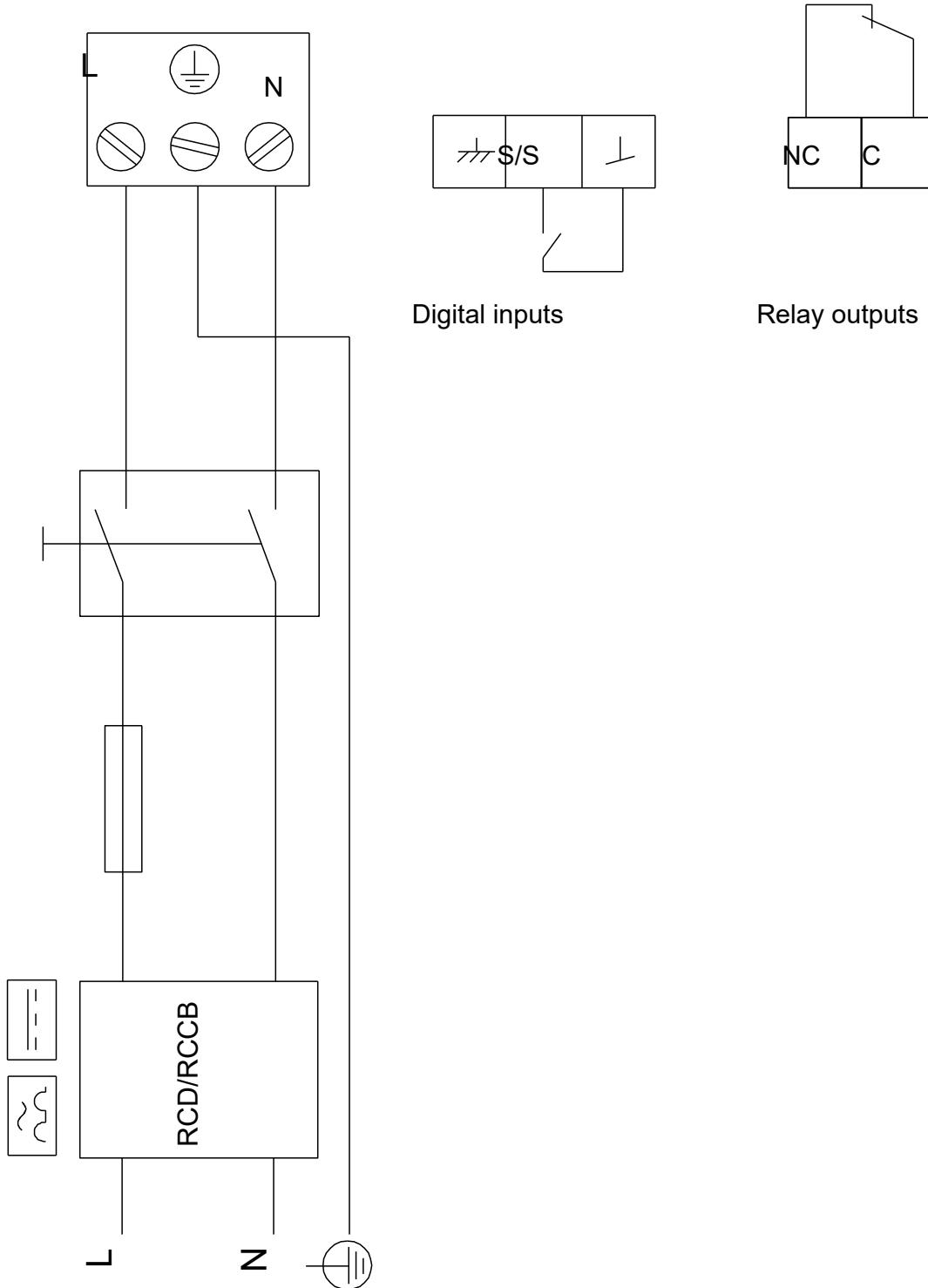
## On request MAGNA1 80-80 F



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.