
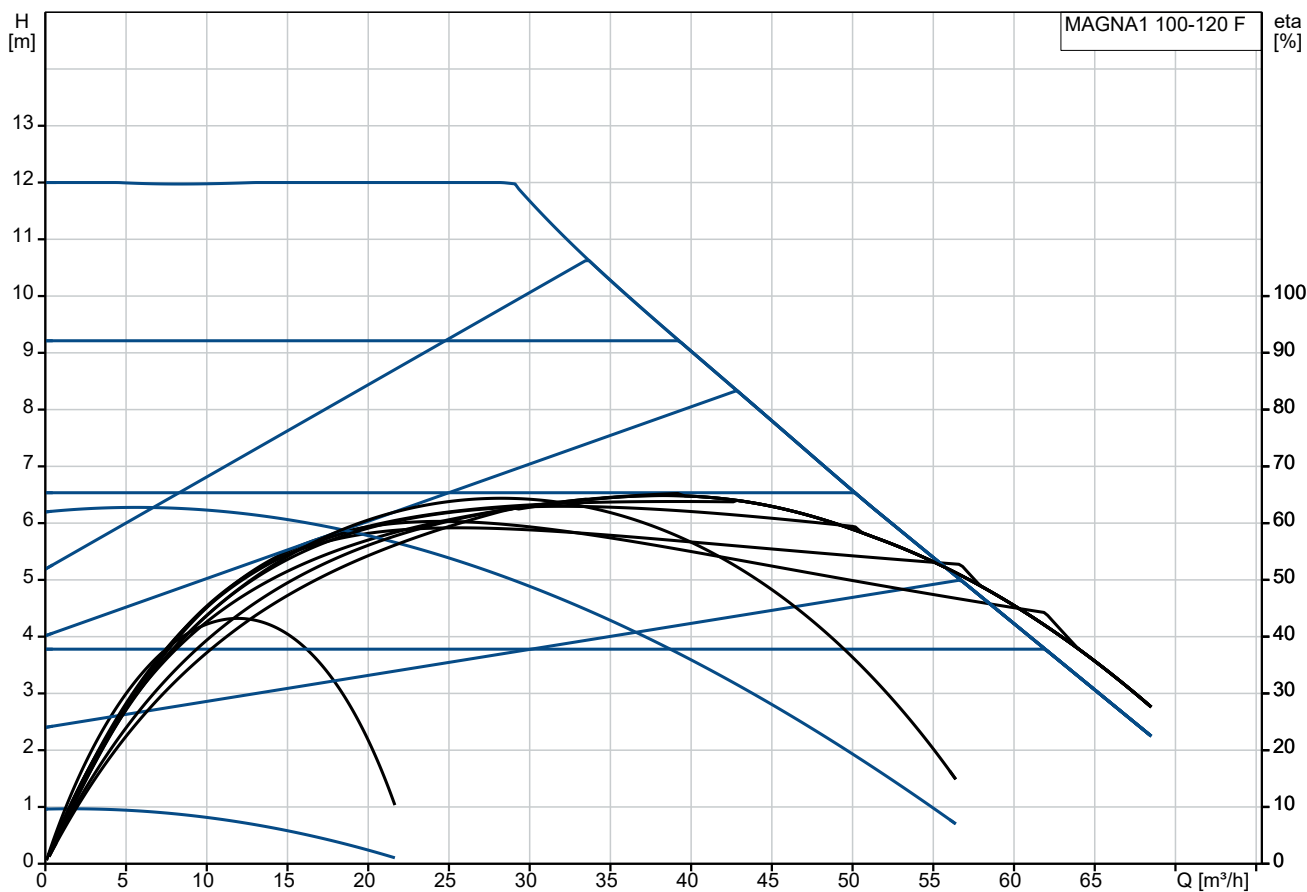
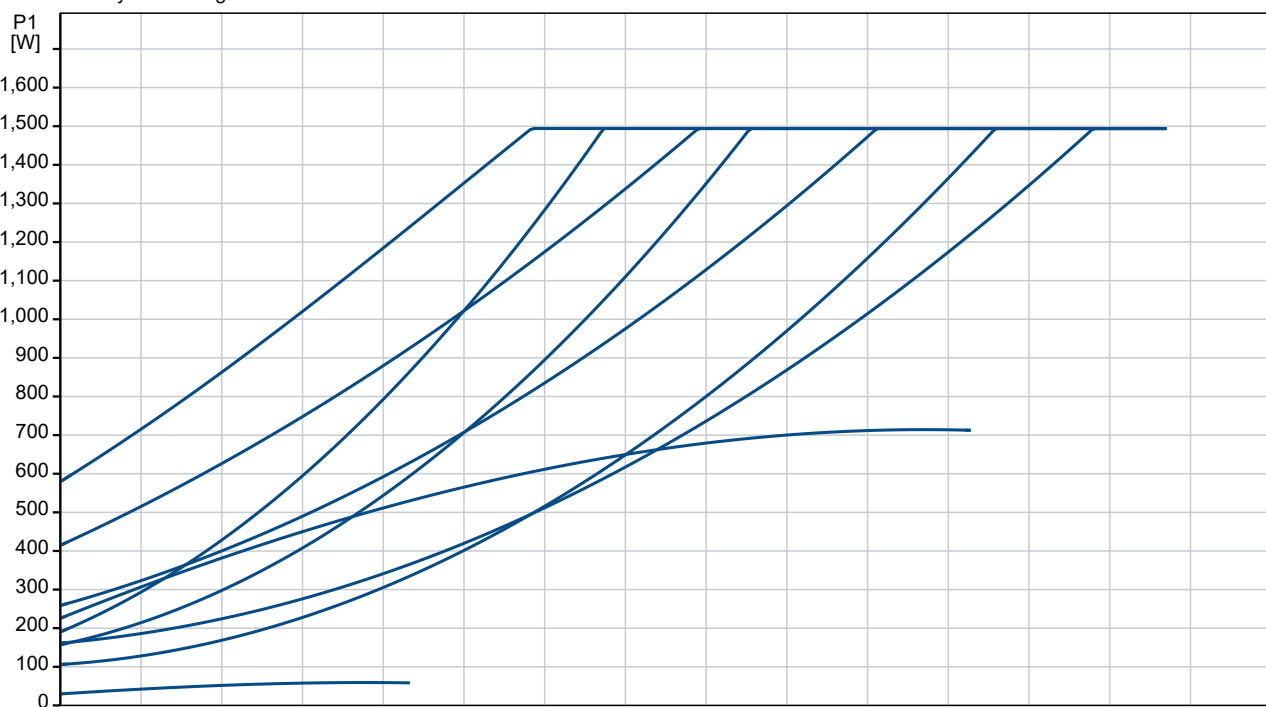


Qty.	Description
1	<p>MAGNA1 100-120 F</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: On request</p> <p>The Grundfos MAGNA1 circulator pump is the simple option for a job well done. With its high energy efficiency, the product complies with the EuP 2015 regulations, ensuring substantial savings on electricity.</p> <p>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 and stop input remotely controls the pump.</p> <p>The pump communicates wirelessly with the Grundfos GO Remote app.</p> <p>MAGNA1 can work as the main pump in both heating and cooling applications, including:</p> <ul style="list-style-type: none"> • mixing loops • heating surfaces • air-conditioning surfaces • ground-source heat pump systems • small chiller applications. <p>MAGNA1 is a single-phase pump characterised by the controller and operating panel being 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>

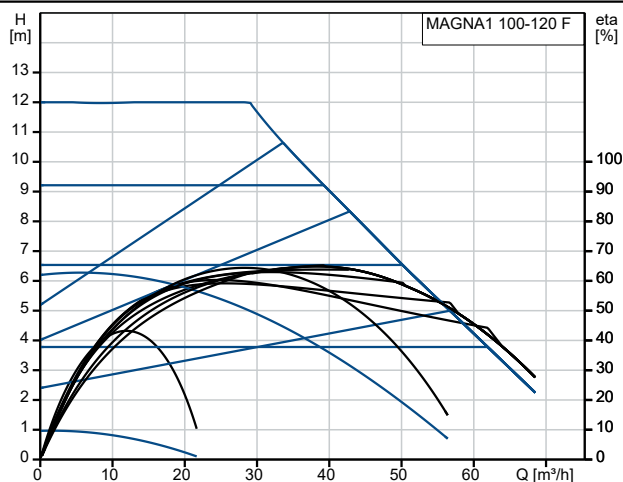
On request MAGNA1 100-120 F



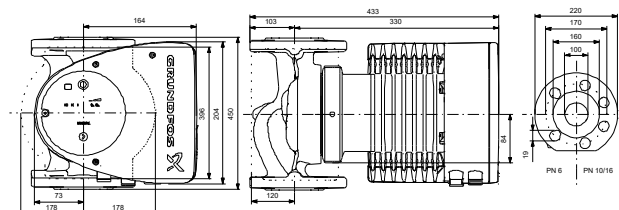
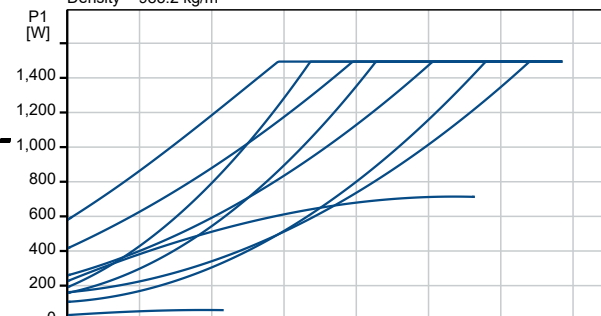
Pumped liquid = Water
 Liquid temperature during operation = 60 °C
 Density = 983.2 kg/m³



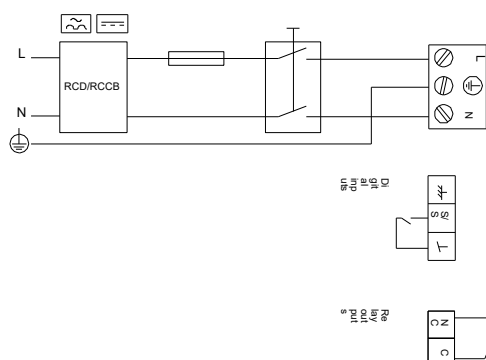
Description	Value
General information:	
Product name:	MAGNA1 100-120 F
Product No:	On request
EAN number:	On request
Technical:	
Maximum head:	120 dm
TF class:	110
Approvals:	CE,VDE,EAC,MOROCCO,UKCA,TSE,RCM,UkrSEPRO
Model:	C
Materials:	
Pump housing:	Cast iron
	EN 1561 EN-GJL-250
	ASTM A48-250B
Impeller:	Composite
Installation:	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	6 bar
Type of connection:	DIN
Size of connection:	DN 100
Pressure rating for connection:	PN 6
Port-to-port length:	450 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-10 .. 110 °C
Selected liquid temperature:	60 °C
Density:	983.2 kg/m ³
Electrical data:	
Maximum power input - P1:	1523 W
P1 min.:	31.11 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Minimum current consumption:	0.32 A
Maximum current consumption:	6.73 A
Maximum speed:	3642 rpm
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Others:	
Energy (EEI):	0.20
Net weight:	34.4 kg
Gross weight:	38 kg
Shipping volume:	0.097 m ³
Environmental approvals:	CN ROHS,WEEE



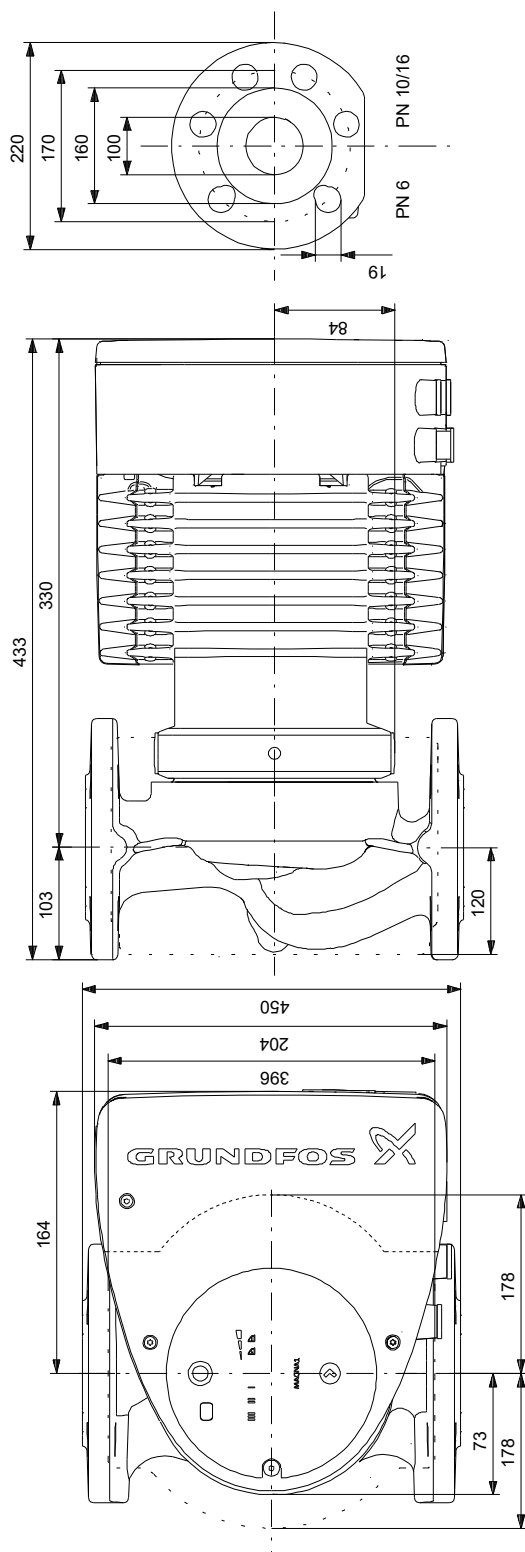
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Example of mains-connected motor with mains switch, backup fuse and additional protection



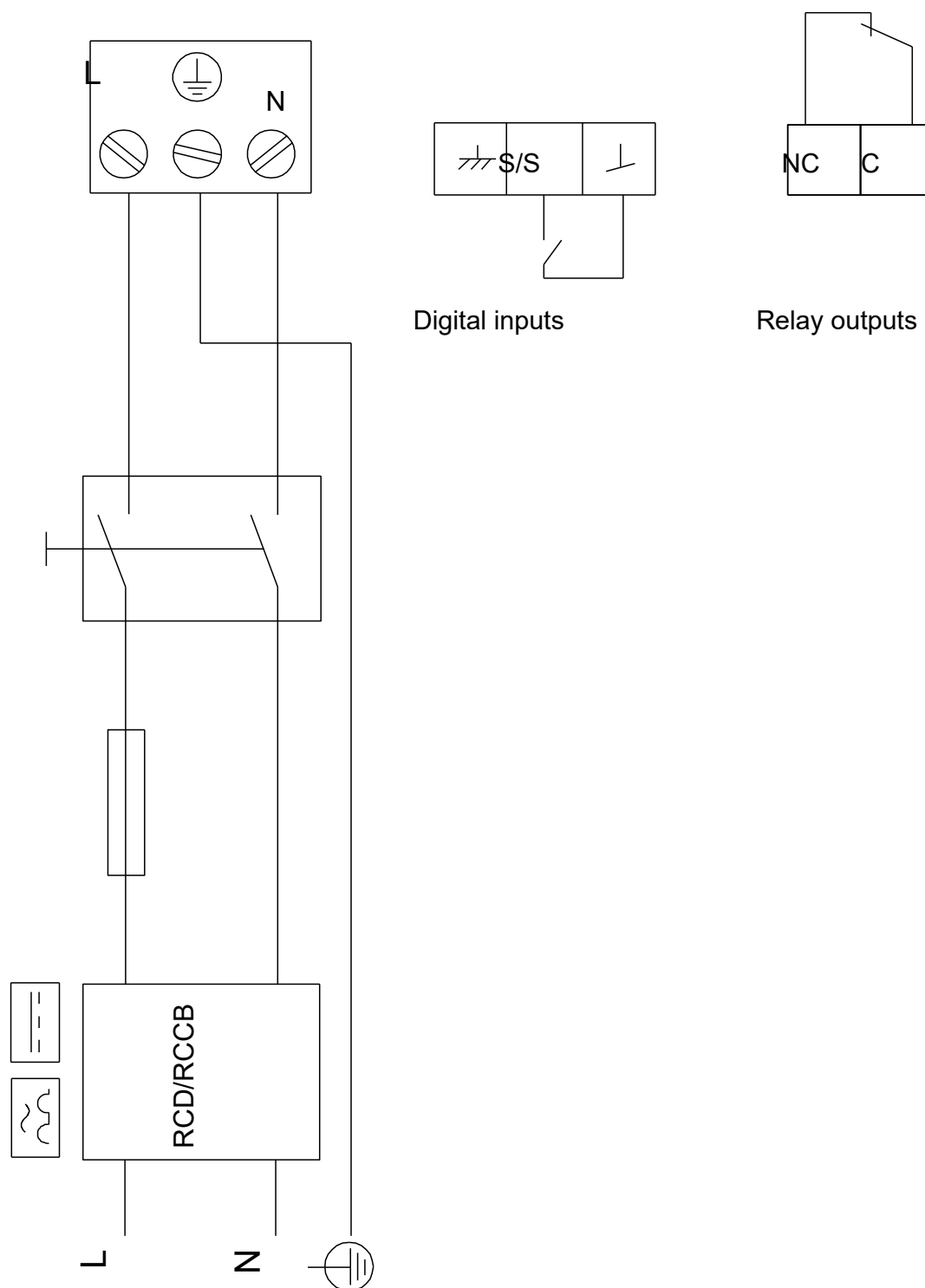
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Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

On request MAGNA1 100-120 F

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



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

