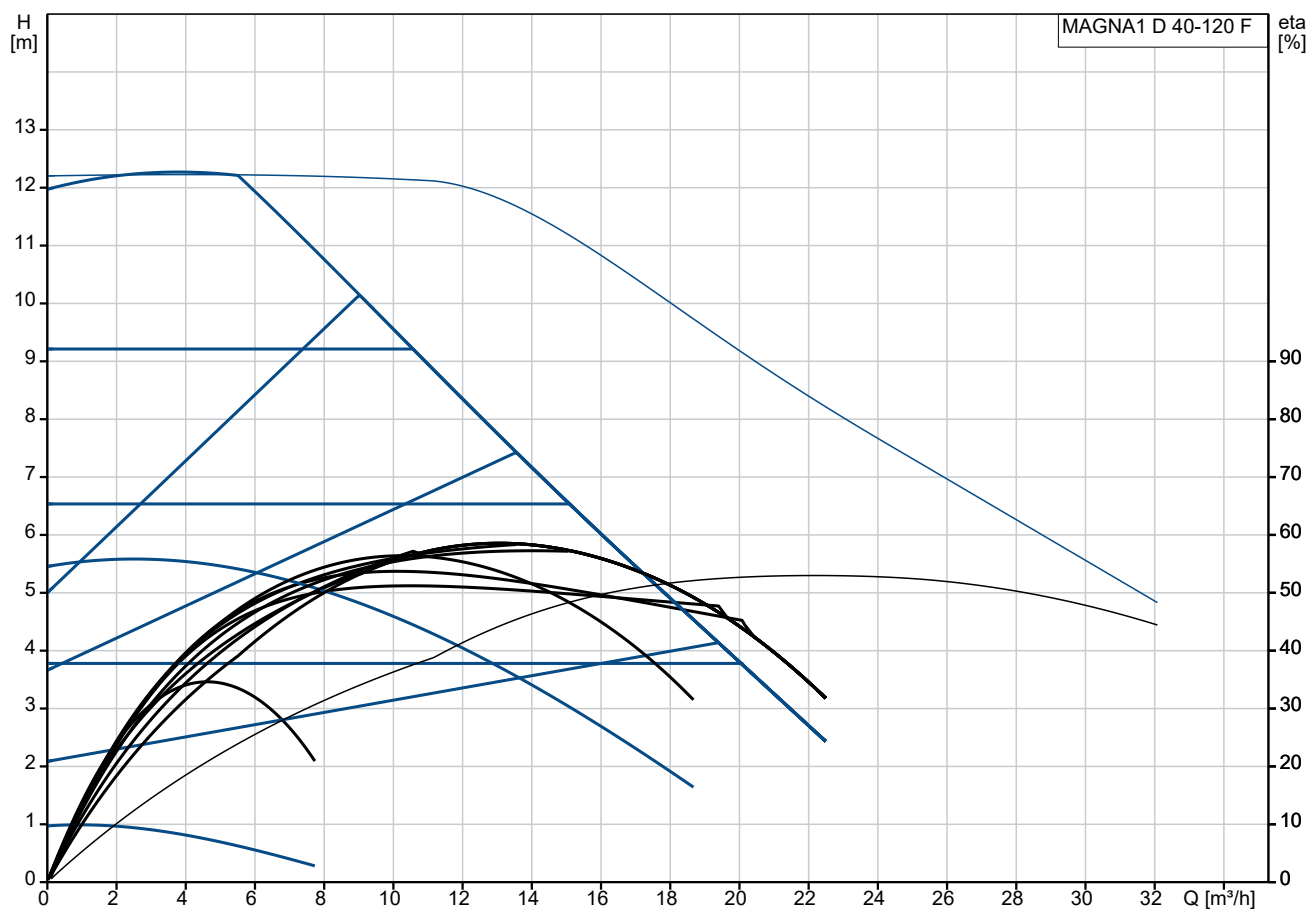


Množstvo	Popis
1	MAGNA1 D 40-120 F  Poznámka: Obrázok produktu sa môže líšiť od skutočného produktu Objednacie č.: 99221310 The Grundfos MAGNA1 D circulator pump is the simple option for a job well done. With its high energy efficiency the product lives up to the EuP 2015 regulations ensuring substantial savings on electricity, and with its intuitive, user-friendly interface and maintenance-free design, MAGNA1 D is the ideal circulator pump for basic performance needs in applications where basic system control and monitoring are desired. 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. MAGNA1 D offers peace of mind due to the security of supply obtained by having a redundant pump, resulting in improved uptime. The flow, and thereby constant comfort, is secured because of its ability to automatically switch between pump heads if one breaks down. The two pumps communicate wirelessly. MAGNA1 D offers the possibility of monitoring the pump via the fault relay output. The digital start/stop input remotely controls the pump. The pump communicates wirelessly with the Grundfos GO Remote app and can also communicate via radio. MAGNA1 D can work as main pump in both heating and cooling applications, including: • Mixing loops • Heating surfaces • Air-conditioning surfaces • Ground-source heat pump systems • Smaller chiller applications. MAGNA1 D is a single-phase pump and characterised by having the controller and operating panel integrated in the control box. 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. 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.

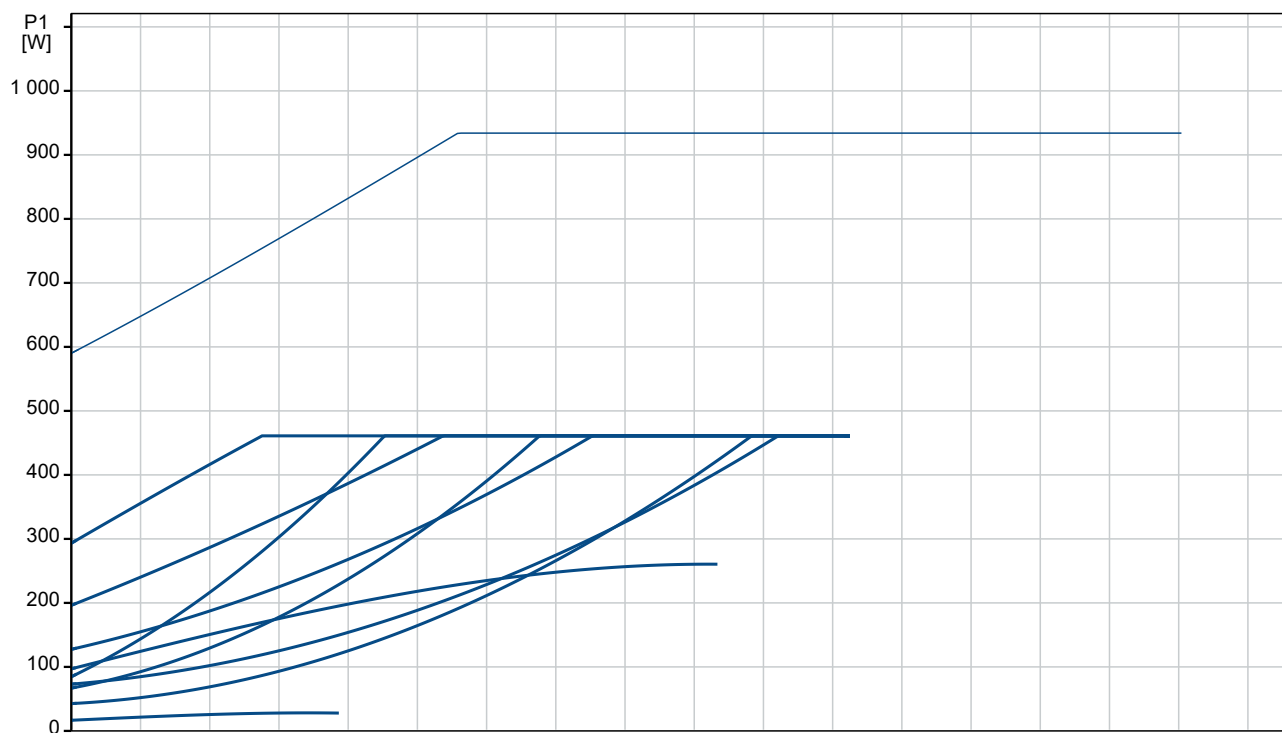
99221310 MAGNA1 D 40-120 F



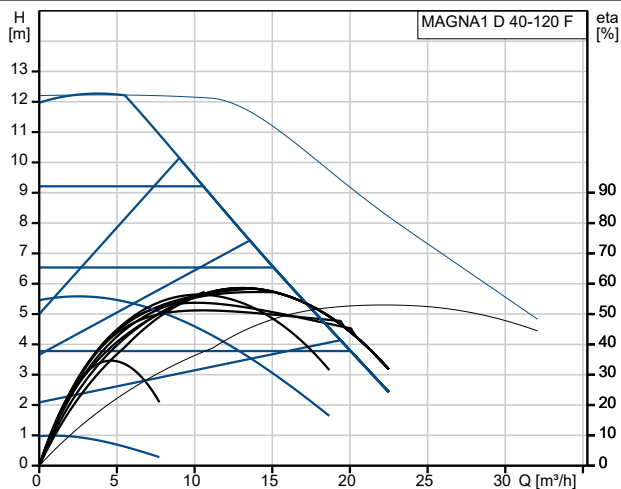
Čerpaná kvapalina = Voda

Teplota kvapaliny počas prevádzky = 60 °C

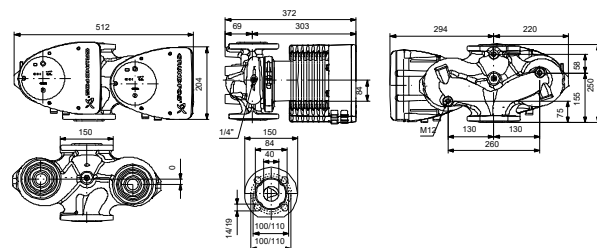
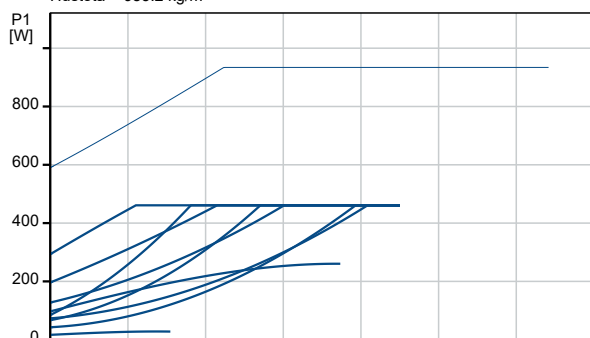
Hustota = 983.2 kg/m³



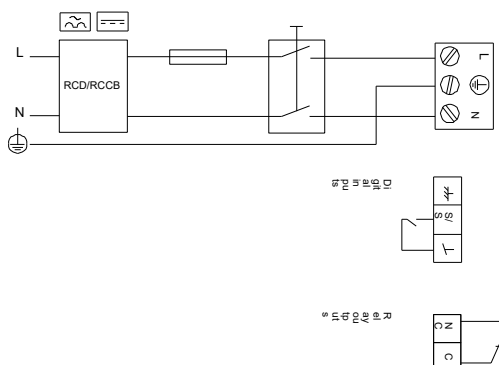
Popis	Hodnota
Všeobecné informácie:	
Názov produktu:	MAGNA1 D 40-120 F
Objednacie číslo:	99221310
Číslo EAN:	5712608942839
Techn.:	
Max. výtláčná výška:	120 dm
Trieda TF:	110
Approvals:	CE,VDE,EAC,MOROCCO,UKCA,TSE,RCM,UkrSEPRO
Model:	C
Materiály:	
Teleso čerpadla:	Šedá liatina
Teleso čerpadla:	EN 1561 EN-GJL-250
Teleso čerpadla:	ASTM A48-250B
Obežné koleso:	Kompozit
Inštalácia:	
Rozsah teploty okolia:	0 .. 40 °C
Maximálny prevádzkový tlak:	10 bar
Druh pripojenia:	DIN
Veľkosť pripojenia:	DN 40
PN pre potrubnú prípojku:	PN 6/10
Pripojenie na prip.:	250 mm
Kvapalina:	
Čerpaná kvapalina:	Voda
Rozsah teploty kvapaliny:	-10 .. 110 °C
Vybraná teplota kvapaliny:	60 °C
Hustota:	983.2 kg/m³
Elektrické údaje:	
P1 max:	476 W
P1 min.:	17.03 W
f:	50 / 60 Hz
Menovité napätie:	1 x 230 V
Minimum current consumption:	0.19 A
I MAX:	2.1 A
n:	4034 rpm
Krytie IP:	X4D
Izolácia:	F
Iné:	
Energia (EEI):	0.22
Čistá hmotnosť:	31.6 kg
Hrubá hmotnosť:	35.5 kg
Prepravné množstvo:	0.087 m³
Krajina pôvodu:	DE
Tarifná klasifikácia č.:	84137030
Environmental approvals:	CN ROHS,WEEE



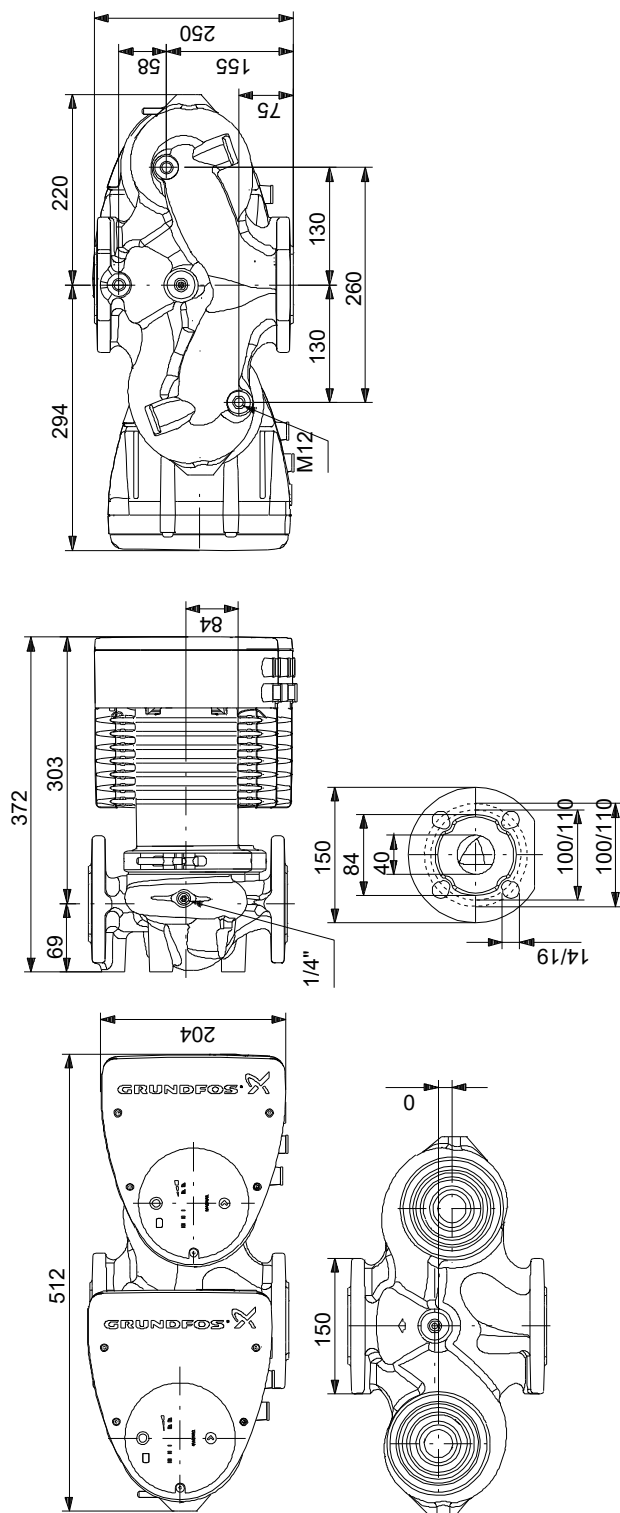
Čerpaná kvapalina = Voda
Teplota kvapaliny počas prevádzky = 60 °C
Hustota = 983.2 kg/m³



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



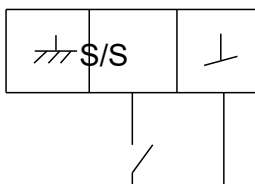
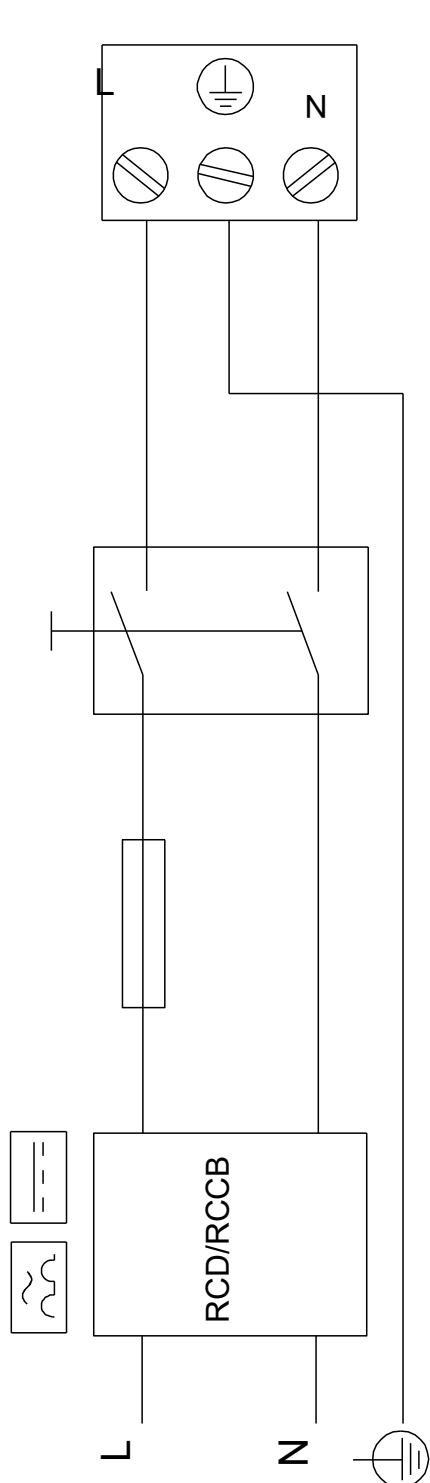
99221310 MAGNA1 D 40-120 F



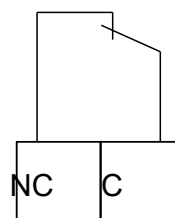
Upozornenie! Všetky jednotky musia byť v [mm], pokiaľ nie je uvedené inak.
Poznámka: Tento zjednodušený rozmerový náčrtok nezobrazuje všetky detaily.

99221310 MAGNA1 D 40-120 F

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



Digital inputs



Relay outputs