Company name:
Created by:
Phone:

Date: 26/10/2026

Qty.	Description
1	**MAGNA1 D 50-120 F**



Note! Product picture may differ from actual product

Product No.: 99221342

The Grundfos MAGNA1 D circulator pump is a single-phase twin-head pump with integrated controller and operating panel. It is a single-phase pump with an integrated controller and operating panel, built on a maintenance-free canned-rotor design. The pump combines robust material and strong design with air-cooled electronics for reliable operation.

The pump offers a high energy efficiency combined with a maintenance-free design and simple operation.

The twin-head design ensures a high reliability through built-in redundancy, maintaining a continuous flow by automatic switching between pump heads.

The pump supports basic control and monitoring via a fault relay output and a digital start/stop input.

MAGNA1 D is equipped with two 4-pole synchronous permanent-magnet motors with higher efficiency than conventional asynchronous motors.

The pump speed is controlled by an integrated frequency converter and complies with the strictest of energy requirements for its product type.

It is suitable for heating and cooling applications, including mixing loops, heating and air-conditioning systems, ground-source heat pump systems, and small chillers.

MAGNA1 D combines high efficiency (EEI less than 0.23) with an impressive performance range and a broad pump housing portfolio, making it a reliable, all-round solution for a wide range of systems.

Designed for simplicity and dependability, it is the ideal choice as a main pump where consistent performance and easy control matter most.

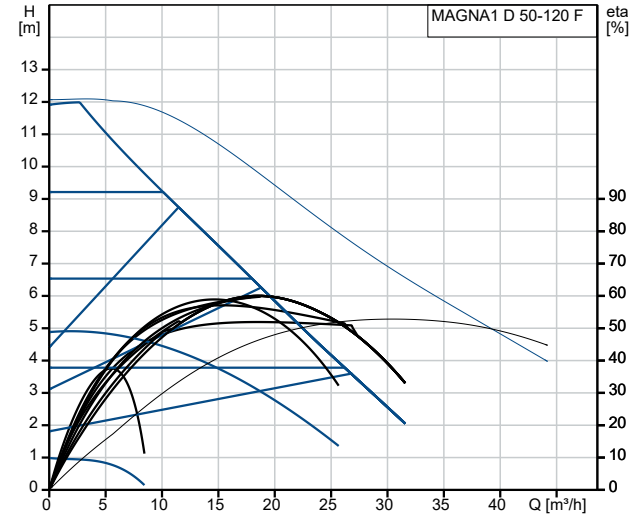
Company name:

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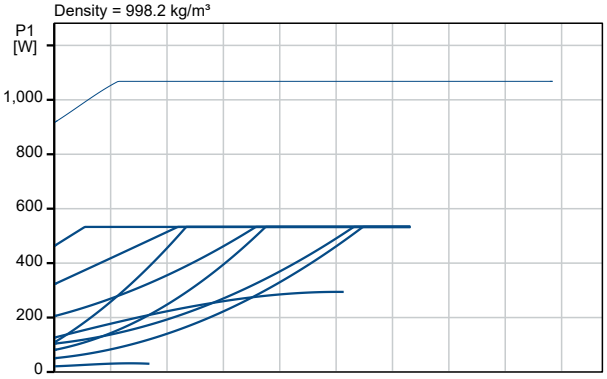
Phone:

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Description	Value
General information:	
Product name:	MAGNA1 D 50-120 F
Product No:	99221342
EAN number:	5712608943157
Price:	€ 5449
Technical:	
Maximum head:	120 dm
TF class:	110
Approvals:	CE,VDE,EAC,MOROCCO,UKCA 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:	10 bar
Type of connection:	DIN
Size of connection:	DN 50
Pressure rating for connection:	PN 6/10
Port-to-port length:	280 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-10 .. 110 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Maximum power input - P1:	534 W
P1 min.:	20.71 W
Mains frequency:	50 / 60 Hz
Rated voltage:	1 x 230 V
Minimum current consumption:	0.22 A
Maximum current consumption:	2.37 A
Maximum speed:	4188 rpm
Enclosure class (IEC 34-5):	IPX4D
Insulation class (IEC 85):	F
Others:	
Energy (EEI):	0.22
Net weight:	34.6 kg
Gross weight:	42.2 kg
Shipping volume:	0.132 m³
Country of origin:	DE
Custom tariff no.:	84137030
Environmental approvals:	CN ROHS,WEEE



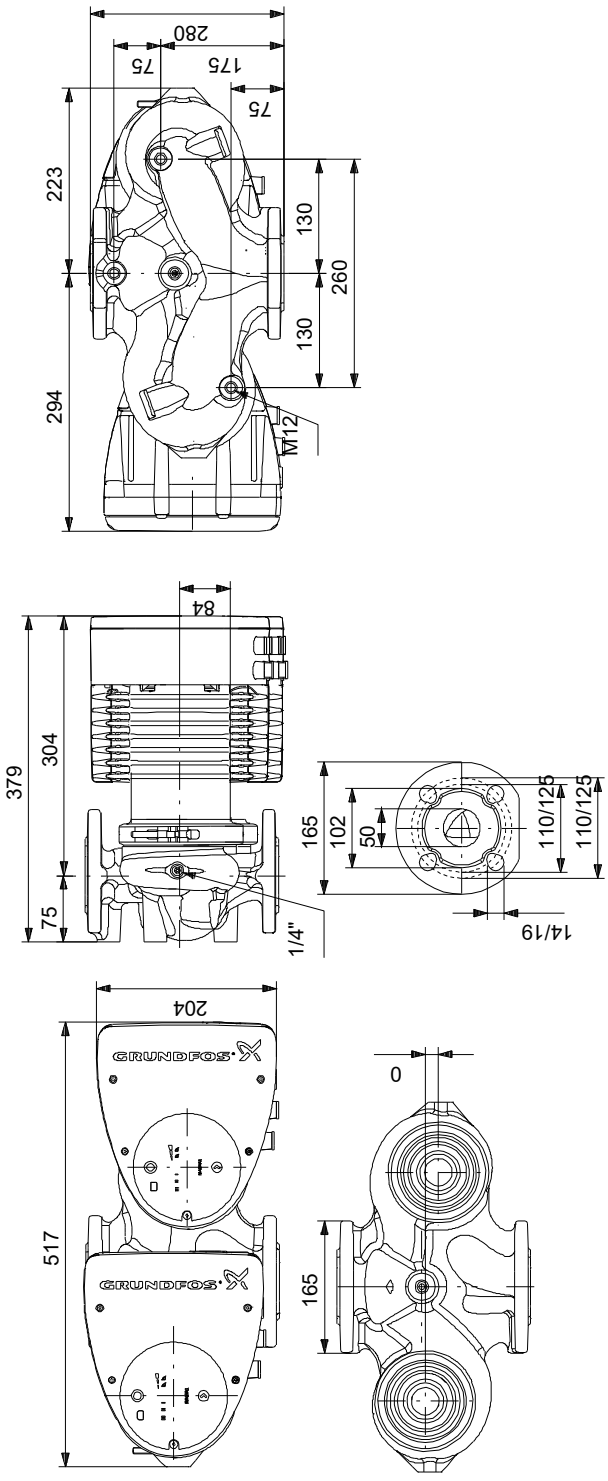
Pumped liquid = Water
Liquid temperature during operation = 20 °C
Density = 998.2 kg/m³



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99221342 MAGNA1 D 50-120 F



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

GRUNDFOS

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