

**Qty. Description**

1 **MAGNA1 50-120 F**



Note! Product picture may differ from actual product

Product No.: [99221336](#)

The new MAGNA1 is the simple option for a job well done. It is the perfect choice when replacing older circulators and due to its compliance with the EuP 2015 regulations, substantial savings on electricity is a reality. The ideal choice for basic performance needs in applications where basic system control and monitoring is desired.

- Monitoring via the fault relay, ensuring peace of mind
- Digital start/stop input available for remote pump control
- Continuous operation and reduced downtime with the wireless twin pump function (available on twin-head pumps)
- High energy efficiency resulting in substantial savings on electricity
- Easy setup and operation via the simple user interface
- No maintenance due to the canned-rotor type design.

MAGNA1 is the simple and efficient choice for most applications including

- Heating
  - Main pump
  - Mixing loops
  - Heating surfaces
- Cooling
  - Air conditioning surfaces
  - Ground source heat pump systems
  - Smaller chiller applications

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: -10 .. 110 °C  
 Selected liquid temperature: 60 °C  
 Density: 983.2 kg/m<sup>3</sup>

**Technical:**

TF class: 110  
 Approvals on nameplate: CE,VDE,EAC,CN ROHS,WEEE

**Materials:**

Pump housing: Cast iron  
 EN-GJL-250  
 ASTM A48-250B  
 Impeller: PES 30%GF

**Installation:**

Range of ambient temperature: 0 .. 40 °C  
 Maximum operating pressure: 10 bar  
 Flange standard: DIN  
 Pipe connection: DN 50  
 Pressure rating: PN6/10  
 Port-to-port length: 280 mm

| Qty. | Description |
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**Electrical data:**

Power input - P1: 20.2 .. 533 W

Mains frequency: 50 / 60 Hz

Rated voltage: 1 x 230 V

Maximum current consumption: 0.22 .. 2.37 A

Enclosure class (IEC 34-5): X4D

Insulation class (IEC 85): F

**Others:**

Energy (EEI): 0.20

Net weight: 18.3 kg

Gross weight: 19.9 kg

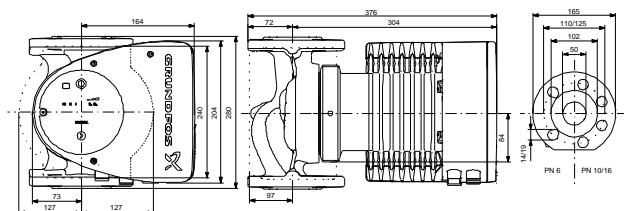
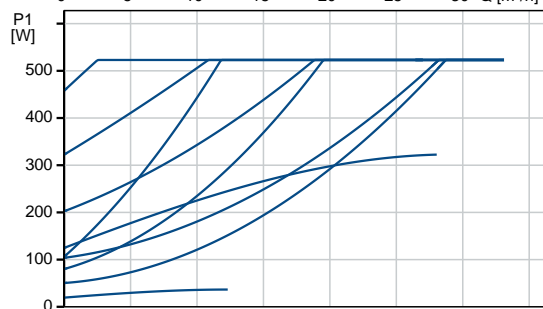
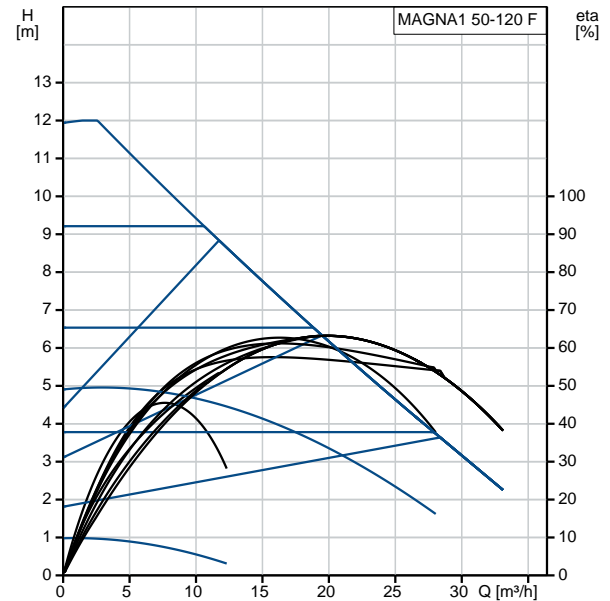
Shipping volume: 0.046 m<sup>3</sup>

Finnish LVI No.: 4615196

Country of origin: DE

Custom tariff no.: 84137030

| Description                   | Value                       |
|-------------------------------|-----------------------------|
| <b>General information:</b>   |                             |
| Product name:                 | MAGNA1 50-120 F             |
| Product No:                   | 99221336                    |
| EAN number:                   | 5712608943096               |
|                               | 5712608943096               |
| Price:                        | 1.890,00 EUR                |
| <b>Technical:</b>             |                             |
| Head max:                     | 120 dm                      |
| TF class:                     | 110                         |
| Approvals on nameplate:       | CE, VDE, EAC, CN ROHS, WEEE |
| Model:                        | C                           |
| <b>Materials:</b>             |                             |
| Pump housing:                 | Cast iron                   |
|                               | EN-GJL-250                  |
|                               | ASTM A48-250B               |
| Impeller:                     | PES 30%GF                   |
| <b>Installation:</b>          |                             |
| Range of ambient temperature: | 0 .. 40 °C                  |
| Maximum operating pressure:   | 10 bar                      |
| Flange standard:              | DIN                         |
| Pipe connection:              | DN 50                       |
| Pressure rating:              | PN6/10                      |
| Port-to-port length:          | 280 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>       |                             |
| Power input - P1:             | 20.2 .. 533 W               |
| Mains frequency:              | 50 / 60 Hz                  |
| Rated voltage:                | 1 x 230 V                   |
| Maximum current consumption:  | 0.22 .. 2.37 A              |
| Enclosure class (IEC 34-5):   | X4D                         |
| Insulation class (IEC 85):    | F                           |
| <b>Others:</b>                |                             |
| Energy (EEI):                 | 0.20                        |
| Net weight:                   | 18.3 kg                     |
| Gross weight:                 | 19.9 kg                     |
| Shipping volume:              | 0.046 m <sup>3</sup>        |
| Finnish LVI No.:              | 4615196                     |
| Country of origin:            | DE                          |
| Custom tariff no.:            | 84137030                    |



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

