

Date: 11/26/2018

Position | Count | Description

1 MAGNA1 D 50-150 F



Product No.: 99221343

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: 14 .. 230 °F
Liquid temperature during operation: 140 °F
Density: 61.35 lb/ft³

Technical:

TF class: 110

Approvals on nameplate: CE,VDE,EAC,CN ROHS,WEEE

Materials:

Pump housing: Cast iron

EN-GJL-250 ASTM A48-250B PES 30%GF

Installation:

Impeller:

Range of ambient temperature: 32 .. 104 °F
Maximum operating pressure: 145 psi
Flange standard: DIN
Pipe connection: DN 50
Pressure stage: PN6/10
Port-to-port length: 11 1/16 in



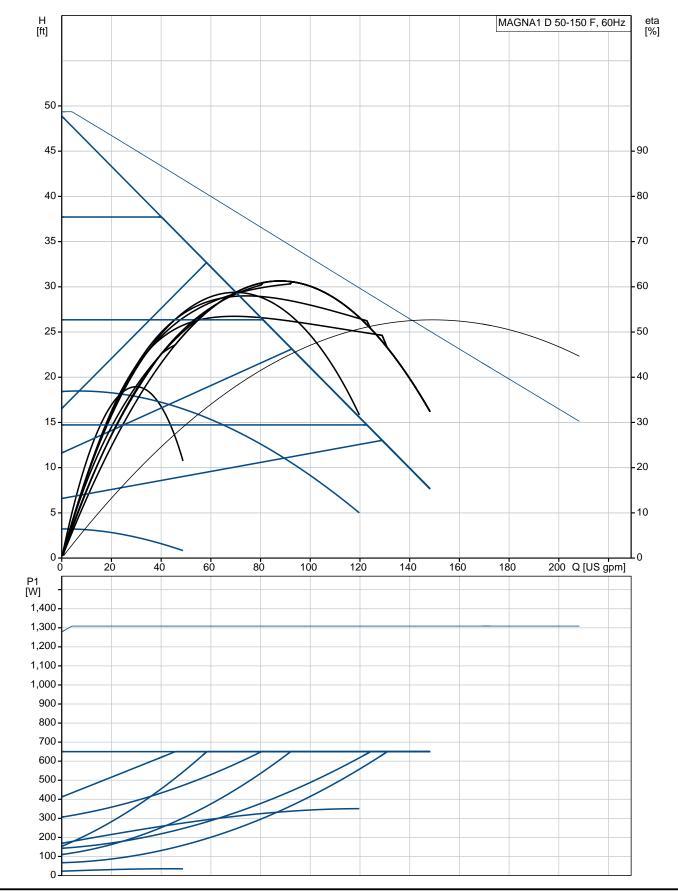
Date: 11/26/2018

| | | | Date: | 11/26/2018 |
|----------|-------|------------------------------|----------------------|------------|
| Position | Count | Description | | |
| | | Electrical data: | | |
| | | | 00.77 050.14 | |
| | | Power input - P1: | 23.77 653 W | |
| | | Main frequency: | 60 Hz | |
| | | Rated voltage: | 1 x 230 V | |
| | | Maximum current consumption: | 0.26 2.88 A | |
| | | Enclosure class (IEC 34-5): | X4D | |
| | | Insulation class (IEC 85): | F | |
| | | | | |
| | | Others: | | |
| | | Energy (EEI): | 0.21 | |
| | | Net weight: | 80.3 lb | |
| | | Gross weight: | 96.9 lb | |
| | | Shipping volume: | 4.66 ft ³ | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | I | ı | | |



Date: 11/26/2018

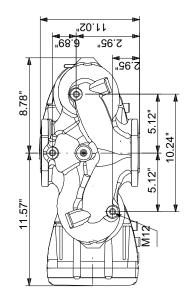
99221343 MAGNA1 D 50-150 F 60 Hz

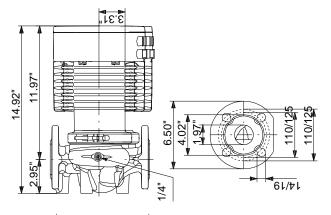


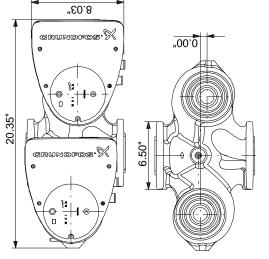


Date: 11/26/2018

99221343 MAGNA1 D 50-150 F 60 Hz







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