| | GRUNDFO | | Company name: Created by: Phone: | | | | |
|----|--|-------------------------|--|--|---------------|--|--|
| | | | Date: | 17/04/2020 | | | |
| /. | Description | | | | | | |
| | MAGNA1 50-120 F | | | | | | |
| | | | | | | | |
| | NEW MACINA | | | | | | |
| | CRUNDFOS X | Notel Decident site | | | | | |
| | | Note! Product pictur | re may differ from a | ictual product | | | |
| | and due to its compliance with the | ne EuP 2015 regulat | ions, substantia | erfect choice when replacing older circul savings on electricity is a reality. The id- em control and monitoring is desired. | lators eal | | |
| | Monitoring via the fault relay, ensuring peace of mind Digital start/stop input available for remote pump control | | | | | | |
| | pumps) | | | s twin pump function (available on twin-h | nead | | |
| | 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 efficit Heating Main pump Mixing loops Heating surfaces Cooling Air conditioning surface Ground source heat p Smaller chiller application | es ump systems | applications incl | uding | | | |
| | | | | | | | |
| | Liquid: | | | | | | |
| | Pumped liquid: | Water | | | | | |
| | Liquid temperature range: Selected liquid temperature: | -10 110 °C 60 °C | | | | | |
| | Density: | 983.2 kg/m ³ | | | | | |
| | | | | | | | |
| | Technical: | | | | | | |
| | TF class: | 110 | | | | | |
| | Approvals on nameplate: | CE,VDE,EAC,CN F | 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: | DIN DN 50 | | | | | |
| | Pressure rating: | PN6/10 | | | | | |
| | | | | | | | |
| | Port-to-port length: | 280 mm | | | | | |



Company name: Created by: Phone:

| GRUNDFC | | Phone: | | |
|---|---|--------|------------|--|
| | | Date: | 17/04/2020 | |
| . Description | | | | |
| Mains frequency: Rated voltage: Maximum current consumption: Enclosure class (IEC 34-5): | 20.2 533 W 50 / 60 Hz 1 x 230 V 0.22 2.37 A X4D F | | | |
| Net weight: Gross weight: Shipping volume: Finnish LVI No.: Country of origin: | 0.20 18.3 kg 19.9 kg 0.046 m ³ 4615196 DE 84137030 | | | |
| Custom tariff no.: | | | | |
| | | | | |
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Company name: Created by: Phone:

| | | Date: | 17/04/202 | | |
|-------------------------------|-----------------------------|--|--|---------------------------|-------------|
| Description | Value | H [m] | | MAGNA1 50-120 F | F |
| General information: | | - | | | |
| Product name: | MAGNA1 50-120 F | 13 - | | | |
| Product No: | 99221336 | 12 | | | _ |
| EAN number: | 5712608943096 | 11 | | | |
| | 5712608943096 | - | | | 10 |
| Price: | 1.890,00 EUR | 10 - | | | - 10 |
| Technical: | | 9- | | | - 90 |
| Head max: | 120 dm | 8 - | | | - 80 |
| TF class: | 110 | 7 - | | | - 70 |
| Approvals on nameplate: | CE, VDE, EAC, CN ROHS, WEEE | - | | | |
| Model: | C | 6- | | | - 60 |
| Materials: | | 5- | | | - 50 |
| Pump housing: | Cast iron | 4 - | | | - 40 |
| | EN-GJL-250 | 3 | | | - 30 |
| | ASTM A48-250B | | | | |
| Impeller: | PES 30%GF | 2- | | | - 20 |
| Installation: | 0 00/001 | 1 | | | - 10 |
| Range of ambient temperature: | 0 40 °C | 0 | | | \square_0 |
| Maximum operating pressure: | 10 bar | 0 5 | 10 15 20 |) 25 30 Q [m³/h | |
| Flange standard: | DIN | P1 - [W] - | | | _ |
| Pipe connection: | DN 50 | 500 | | | |
| | PN6/10 | | | | |
| Pressure rating: | 280 mm | 400 - | | | _ |
| Port-to-port length: | 280 11111 | | | | |
| Liquid: | \\/_tor | 300 - | V IM | | _ |
| Pumped liquid: | Water | 200 | | | _ |
| Liquid temperature range: | -10 110 °C | | | | |
| Selected liquid temperature: | 60 °C | 100 | | | - |
| Density: | 983.2 kg/m ³ | 0 | | | |
| Electrical data: | | | | | |
| Power input - P1: | 20.2 533 W | 164 | 72 | 376 | 165 |
| Mains frequency: | 50 / 60 Hz | | | | 102 50 |
| Rated voltage: | 1 x 230 V | | | | |
| Maximum current consumption: | 0.22 2.37 A | | | ╶┈╫╟╫╟╫╟╢╢╴╴╴┠┼┰╶╷╝ | 16 |
| Enclosure class (IEC 34-5): | X4D | . <u> </u>] • • / . | / 🗑 👔 🛛 🖓 🕄 🚺 📕 | | ð. |
| Insulation class (IEC 85): | F | | | | PN 6 P |
| Others: | | 73 | 97 | | - |
| Energy (EEI): | 0.20 | 4 ⊭ 4 ⁺²⁷ | | | |
| Net weight: | 18.3 kg | | | | |
| Gross weight: | 19.9 kg | | | | |
| Shipping volume: | 0.046 m ³ | | | | |
| Finnish LVI No.: | 4615196 | | | | |
| Country of origin: | DE | | | | |
| Custom tariff no.: | 84137030 | | | | |
| | | | | | |
| | | Example of mains with mains switch | s-connected motor 1, backup fuse and additional protectio | n | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | RCD/RCCB | | $\square \square \square$ | |
| | | N | | 🖉 z | |

outputs

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eta [%]

- 100 90 - 80 -70 - 60 - 50 40 - 30 - 20 - 10