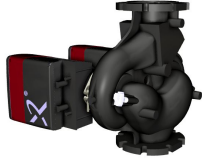


| Count | Description |
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| 1 | <p data-bbox="223 336 478 369">MAGNA3 D 100-120 F</p>  <p data-bbox="223 660 494 683">Product No.: 98126865</p> <p data-bbox="223 716 1452 828">MAGNA3 – More than a pump With its unrivalled efficiency, all-encompassing range and built-in communication capabilities plus functionalities replacing system components, the MAGNA3 is ideal for engineers and specifiers looking to create high-performance systems for buildings.</p> <p data-bbox="223 840 1404 884">This pump in the Grundfos Master Class will fit both heating and cooling applications perfectly, making it the obvious choice for almost any building project – old or new.</p> <p data-bbox="223 918 1436 974">The MAGNA3 is of the canned-rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The bearings are lubricated by the pumped liquid.</p> <p data-bbox="223 981 1189 1008">The innovative clamp with only one screw enables easy repositioning of the pump head.</p> <p data-bbox="223 1012 1316 1041">The MAGNA3 is a pump with no maintenance requirements and with extremely low Life Cycle Cost.</p> <p data-bbox="223 1070 702 1097">The pump is characterised by the following:</p> <ul data-bbox="223 1102 813 1366" style="list-style-type: none"> • controller integrated in the control box • control panel with TFT display on the control box • control box prepared for optional CIM modules • built-in differential-pressure and temperature sensor • cast-iron pump housing (depending on model) • carbon-fiber-reinforced composite rotor can • stainless-steel bearing plate and rotor cladding • aluminium alloy stator housing • air-cooled power electronics <p data-bbox="223 1370 646 1400">The MAGNA3 is a single-phase pump.</p> <p data-bbox="223 1429 478 1456">Characteristic features</p> <ul data-bbox="223 1460 1452 1803" style="list-style-type: none"> • AUTOADAPT. • FLOWADAPT and FLOWLIMIT (more than a pump function as it reduces the need for pump throttling valves). • Proportional-pressure control. • Constant-pressure control. • Constant-temperature control. • Constant-curve duty. • Max. or min. curve duty. • Automatic Night Setback. • No external motor protection required. • Insulating shells supplied with single-head pumps for heating systems. • Large temperature range where the liquid temperature and the ambient temperature are independent of each other. <p data-bbox="223 1841 399 1870">Communication</p> <p data-bbox="223 1874 837 1904">The MAGNA3 enables communication via the following:</p> <ul data-bbox="223 1908 933 2049" style="list-style-type: none"> • wireless Grundfos GO Remote • fieldbus communication via CIM modules • digital inputs • relay outputs • analog input (more than a pump function as heat energy meter) <p data-bbox="223 2078 558 2105">Motor and electronic controller</p> |

| Count | Description |
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| | <p>The MAGNA3 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.</p> <p>The pump speed is controlled by an integrated frequency converter.</p> <p>A differential-pressure and temperature sensor is incorporated in the pump.</p> <p>Liquid:</p> <p>Pumped liquid: Water Liquid temperature range: 14 .. 230 °F Selected liquid temperature: 140 °F Density: 61.35 lb/ft³</p> <p>Technical:</p> <p>Rated flow: 165 US gpm Rated head: 31.83 ft TF class: 110 Approvals on nameplate: 98544605</p> <p>Materials:</p> <p>Pump housing: Cast iron EN-GJL-250 ASTM A48-250B</p> <p>Impeller: PES 30%GF</p> <p>Installation:</p> <p>Range of ambient temperature: 32 .. 104 °F Maximum operating pressure: 174.05 psi Flange standard: GF Pipe connection: GF100 Pressure stage: PN12 Port-to-port length: 17 3/4 in</p> <p>Electrical data:</p> <p>Power input - P1: 35 .. 1550 W Main frequency: 60 Hz Rated voltage: 1 x 208-230 V Maximum current consumption: 0.35 .. 6.94 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F</p> <p>Others:</p> <p>Energy (EEL): 0.17 Net weight: 138 lb Gross weight: 160 lb Shipping volume: 7.35 ft³ Country of origin: DE Custom tariff no.: 8413.70.2015</p> |