

Count	Description
1	<p data-bbox="225 338 467 367"><b>MAGNA3 40-120 F N</b></p> <div data-bbox="301 445 520 573" data-label="Image"> </div> <p data-bbox="225 658 491 687">Product No.: <a href="#">98126834</a></p> <p data-bbox="225 719 561 748"><b>MAGNA3 – More than a pump</b></p> <p data-bbox="225 748 1452 826">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="225 833 1410 887">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="225 920 1441 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="225 978 1190 1008">The innovative clamp with only one screw enables easy repositioning of the pump head.</p> <p data-bbox="225 1010 1319 1039">The MAGNA3 is a pump with no maintenance requirements and with extremely low Life Cycle Cost.</p> <p data-bbox="225 1070 703 1099">The pump is characterised by the following:</p> <ul data-bbox="225 1099 813 1364" style="list-style-type: none"> <li>• controller integrated in the control box</li> <li>• control panel with TFT display on the control box</li> <li>• control box prepared for optional CIM modules</li> <li>• built-in differential-pressure and temperature sensor</li> <li>• cast-iron pump housing (depending on model)</li> <li>• carbon-fiber-reinforced composite rotor can</li> <li>• stainless-steel bearing plate and rotor cladding</li> <li>• aluminium alloy stator housing</li> <li>• air-cooled power electronics</li> </ul> <p data-bbox="225 1366 649 1395">The MAGNA3 is a single-phase pump.</p> <p data-bbox="225 1426 477 1456"><b>Characteristic features</b></p> <ul data-bbox="225 1456 1450 1803" style="list-style-type: none"> <li>• AUTOADAPT.</li> <li>• FLOWADAPT and FLOWLIMIT (more than a pump function as it reduces the need for pump throttling valves).</li> <li>• Proportional-pressure control.</li> <li>• Constant-pressure control.</li> <li>• Constant-temperature control.</li> <li>• Constant-curve duty.</li> <li>• Max. or min. curve duty.</li> <li>• Automatic Night Setback.</li> <li>• No external motor protection required.</li> <li>• Insulating shells supplied with single-head pumps for heating systems.</li> <li>• Large temperature range where the liquid temperature and the ambient temperature are independent of each other.</li> </ul> <p data-bbox="225 1839 400 1868"><b>Communication</b></p> <p data-bbox="225 1868 839 1897">The MAGNA3 enables communication via the following:</p> <ul data-bbox="225 1897 936 2047" style="list-style-type: none"> <li>• wireless Grundfos GO Remote</li> <li>• fieldbus communication via CIM modules</li> <li>• digital inputs</li> <li>• relay outputs</li> <li>• analog input (more than a pump function as heat energy meter)</li> </ul> <p data-bbox="225 2076 561 2105">Motor and electronic controller</p>

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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><b>Liquid:</b></p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: 14 .. 230 °F</p> <p>Selected liquid temperature: 140 °F</p> <p>Density: 61.35 lb/ft³</p> <p><b>Technical:</b></p> <p>Rated flow: 55.5 US gpm</p> <p>Rated head: 25.59 ft</p> <p>TF class: 110</p> <p>Approvals on nameplate: 98544604</p> <p><b>Materials:</b></p> <p>Pump housing: Stainless steel EN 1.4308 ASTM 351 CF8</p> <p>Impeller: PES 30%GF</p> <p><b>Installation:</b></p> <p>Range of ambient temperature: 32 .. 104 °F</p> <p>Maximum operating pressure: 174.05 psi</p> <p>Flange standard: GF</p> <p>Pipe connection: GF15/26/40/43</p> <p>Pressure stage: PN12</p> <p>Port-to-port length: 8 9/16 in</p> <p><b>Electrical data:</b></p> <p>Power input - P1: 16 .. 440 W</p> <p>Main frequency: 60 Hz</p> <p>Rated voltage: 1 x 208-230 V</p> <p>Maximum current consumption: 0.19 .. 2 A</p> <p>Enclosure class (IEC 34-5): X4D</p> <p>Insulation class (IEC 85): F</p> <p><b>Others:</b></p> <p>Energy (EEL): 0.19</p> <p>Net weight: 36.9 lb</p> <p>Gross weight: 40.1 lb</p> <p>Shipping volume: 1060 ft³</p> <p>Custom tariff no.: 8413.70.2005</p>