

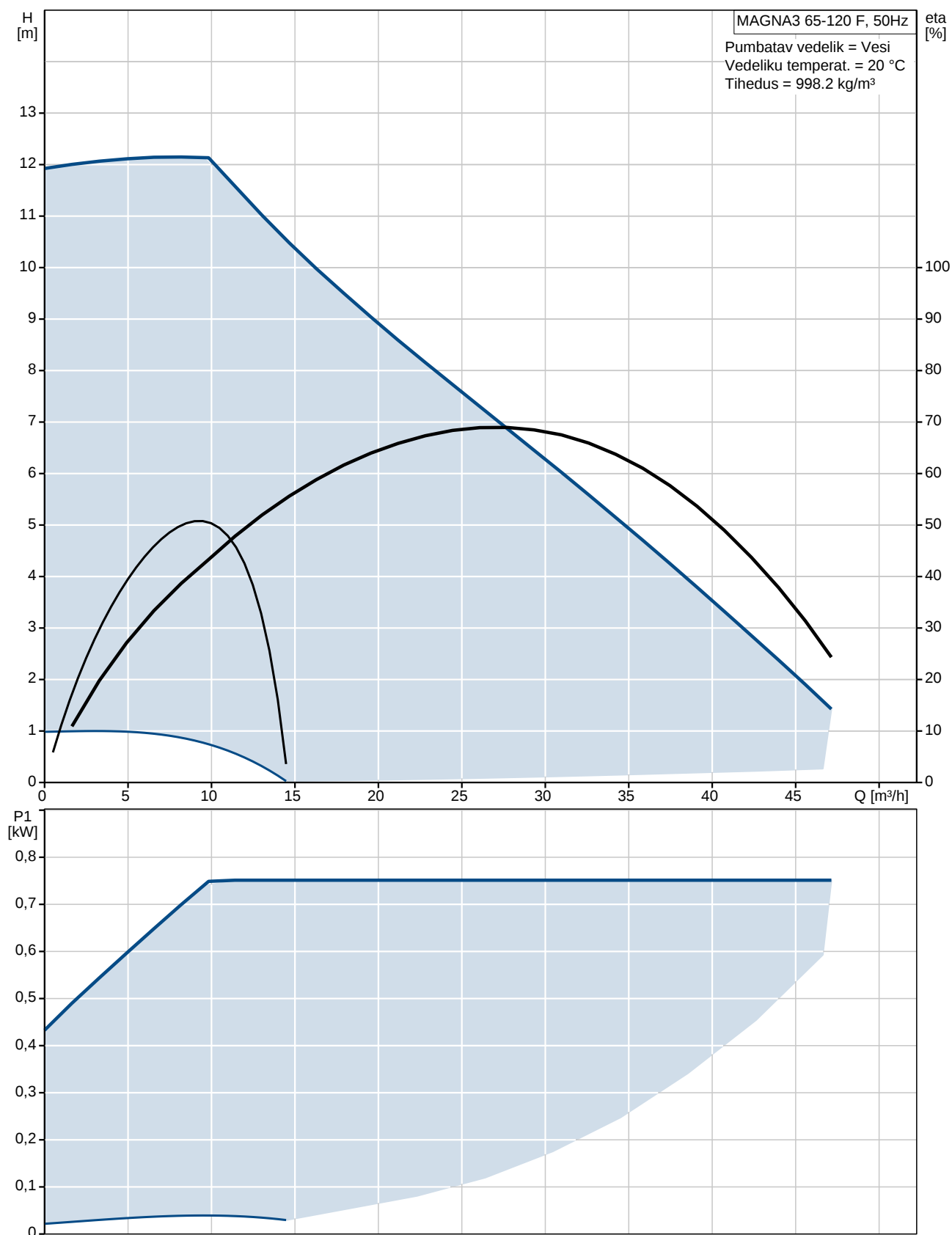
| Positsioon | Kogus | Kirjeldus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | 1     | <p><b>MAGNA3 65-120 F</b></p>  <p><b>Märkus! Reaalse toote väljanägemine võib erineda pildil kujutatust.</b></p> <p>Toote kood:: <a href="#">97924298</a></p> <p><b>MAGNA3 – More than a pump</b><br/>         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>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>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>The innovative clamp with only one screw enables easy repositioning of the pump head. The MAGNA3 is a pump with no maintenance requirements and with extremely low Life Cycle Cost.</p> <p>The pump is characterised by the following:</p> <ul 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-fibre-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>The MAGNA3 is a single-phase pump.</p> <p><b>Characteristic features</b></p> <ul 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> |



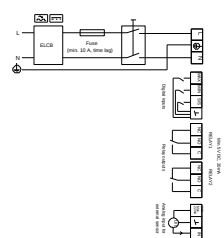
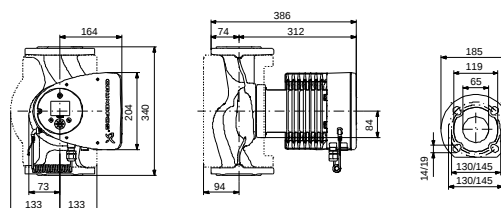
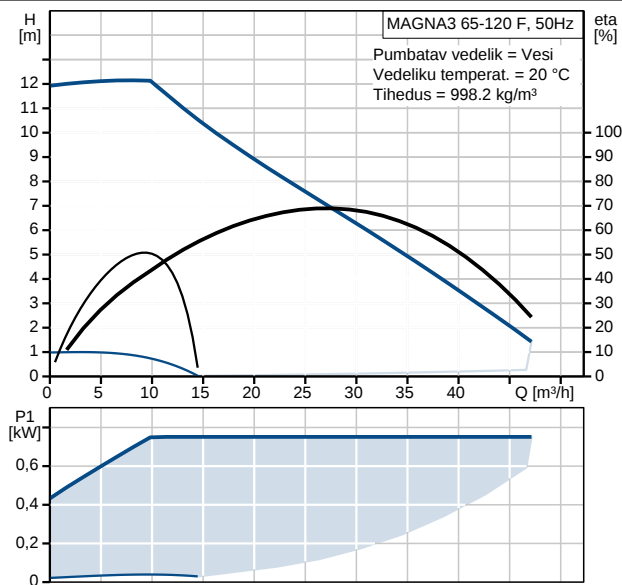
| Positsioon | Kogus | Kirjeldus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |       | <p>Communication</p> <p>The MAGNA3 enables communication via the following:</p> <ul 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>Motor and electronic controller</p> <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>Vedelik:</b></p> <p>Pumbatav vedelik: Vesi</p> <p>Vedeliku temperatuurivahemik: -10 .. 110 °C</p> <p>Vedeliku temp.: 20 °C</p> <p>Tihedus: 998.2 kg/m<sup>3</sup></p> <p><b>Tehnilised:</b></p> <p>TF klass: 110</p> <p>Tunnustused sildikul: CE,VDE,EAC</p> <p><b>Materjalid:</b></p> <p>Pumbapesa: Valumalm</p> <p>EN-GJL-250</p> <p>ASTM A48-250B</p> <p>Tööratas: PES 30%GF</p> <p><b>Paigaldamine:</b></p> <p>Ümbritseva temperat. vahemik: 0 .. 40 °C</p> <p>Maks. töösurve: 10 bar</p> <p>Ääriku standard: DIN</p> <p>Toruühendus: DN 65</p> <p>Surveklass: PN6/10</p> <p>Paigalduspikkus: 340 mm</p> <p><b>Elektriandmed:</b></p> <p>Power input - P1: 16 .. 769 W</p> <p>Maksimaalne voolutarve: 0.18 .. 3.38 A</p> <p>Vooluvõrgu sagedus: 50 Hz</p> <p>Nimipinge: 1 x 230 V</p> <p>Kaitseklass (IEC 34-5): X4D</p> <p>Isolatsiooniklass (IEC 85): F</p> <p><b>Muu:</b></p> <p>Label: Grundfos Blueflux</p> <p>Energy (EEI): 0.17</p> <p>Nettokaal: 21.5 kg</p> <p>Bruttokaal: 23.8 kg</p> <p>Tarnemaht: 0.057 m<sup>3</sup></p> |



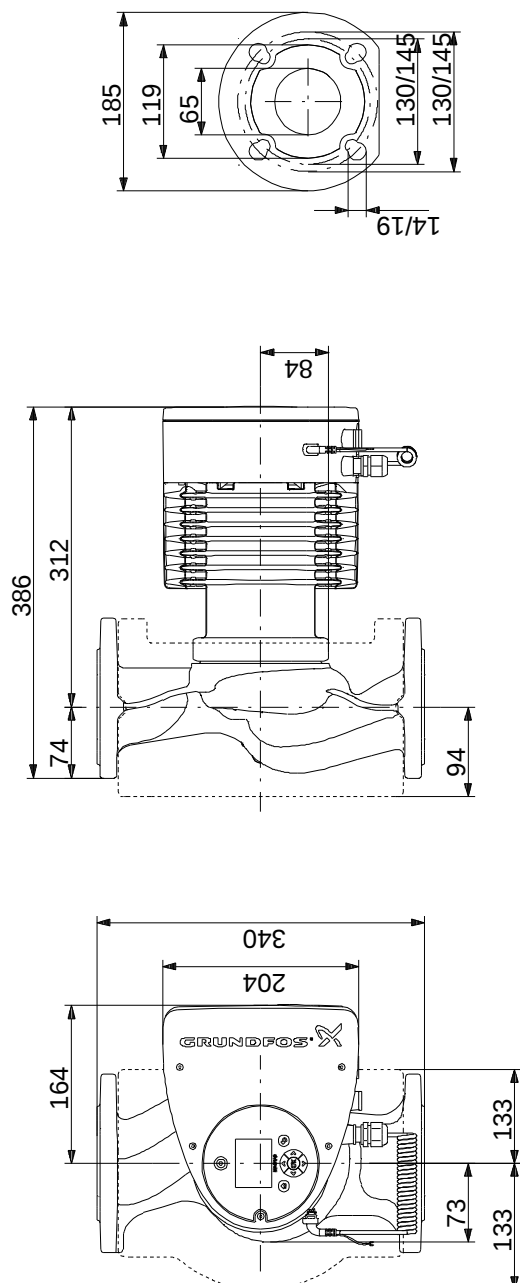
## 97924298 MAGNA3 65-120 F 50 Hz



| Kirjeldus                     | Väärtus           |
|-------------------------------|-------------------|
| Product name:                 | MAGNA3 65-120 F   |
| Product No:                   | 97924298          |
| EAN number:                   | 5710626493739     |
| Hind:                         | Nõudmisel         |
| <b>Tehnilised:</b>            |                   |
| Tõstekõrgus maks.:            | 120 dm            |
| TF klass:                     | 110               |
| Tunnustused sildikul:         | CE, VDE, EAC      |
| Mudel:                        | A                 |
| <b>Materjalid:</b>            |                   |
| Pumbapesa:                    | Valumalm          |
|                               | EN-GJL-250        |
|                               | ASTM A48-250B     |
| Tööratas:                     | PES 30%GF         |
| <b>Paigaldamine:</b>          |                   |
| Ümbritseva temperat. vahemik: | 0 .. 40 °C        |
| Maks. töösurve:               | 10 bar            |
| Ääriku standard:              | DIN               |
| Toruühendus:                  | DN 65             |
| Surveklass:                   | PN6/10            |
| Paigalduspikkus:              | 340 mm            |
| <b>Vedelik:</b>               |                   |
| Pumbatav vedelik:             | Vesi              |
| Vedeliku temperatuurivahemik: | -10 .. 110 °C     |
| Vedeliku temp.:               | 20 °C             |
| Tihedus:                      | 998.2 kg/m³       |
| <b>Elektriandmed:</b>         |                   |
| Power input - P1:             | 16 .. 769 W       |
| Maksimaalne voolutarve:       | 0.18 .. 3.38 A    |
| Vooluvõrgu sagedus:           | 50 Hz             |
| Nimipinge:                    | 1 x 230 V         |
| Kaitseklass (IEC 34-5):       | X4D               |
| Isolatsiooniklass (IEC 85):   | F                 |
| <b>Muu:</b>                   |                   |
| Label:                        | Grundfos Blueflux |
| Energy (EEI):                 | 0.17              |
| Nettokaal:                    | 21.5 kg           |
| Bruttokaal:                   | 23.8 kg           |
| Tarnemaht:                    | 0.057 m³          |



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