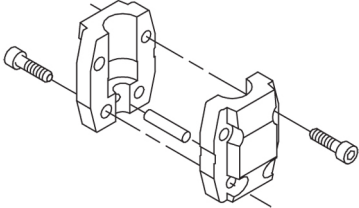
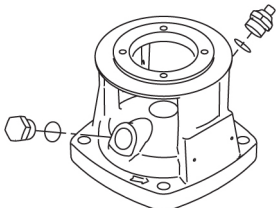
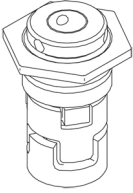
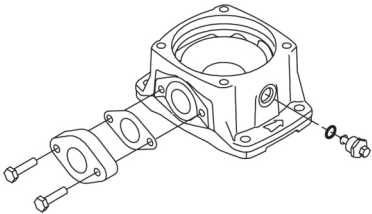


| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p data-bbox="204 376 472 405"><b>CR 1-10 A-A-A-E-HQQE</b></p> <div data-bbox="339 414 446 750">  </div> <p data-bbox="595 723 1062 745">Note! Product picture may differ from actual product</p> <p data-bbox="204 757 464 779">Product No.: <a href="#">96516180</a></p> <p data-bbox="204 828 1430 902">Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling.</p> <p data-bbox="204 913 916 936">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="204 981 512 1010"><b>Further product details</b></p> <p data-bbox="204 1016 1393 1068">Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process.</p> <p data-bbox="204 1075 1430 1126">CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.</p> <p data-bbox="204 1133 719 1155">An integral part of the process is a pretreatment.</p> <p data-bbox="204 1162 700 1184">The entire process consists of these elements:</p> <ol data-bbox="225 1191 702 1308" style="list-style-type: none"> <li>1) Alkaline-based cleaning.</li> <li>2) Zinc phosphating.</li> <li>3) Cathodic electro-deposition.</li> <li>4) Curing to a dry film thickness 18-22 my m.</li> </ol> <p data-bbox="204 1314 890 1337">The colour code for the finished product is NCS 9000/RAL 9005.</p> <p data-bbox="204 1382 280 1411"><b>Pump</b></p> <p data-bbox="204 1417 1436 1469">A standard split coupling connects the pump and motor shaft. It is enclosed in the pump head/motor stool by means of two coupling guards.</p> <div data-bbox="204 1476 563 1682">  </div> <p data-bbox="204 1720 1377 1771">The pump head, pump head cover and flange for motor mounting is made in one piece. The pump head has a combined 1/2" priming plug and vent screw.</p> <div data-bbox="204 1778 480 1984">  </div> <p data-bbox="204 2024 1169 2080">The pump is fitted with a balanced O-ring seal unit with a rigid torque-transmission system. This seal type is assembled in a cartridge unit which makes replacement safe and easy.</p> |

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p>Due to the balancing, this seal type is suitable for high-pressure applications. The cartridge construction also protects the pump shaft from possible wear from a dynamic O-ring between pump shaft and shaft seal.</p> <p>Seal faces:</p> <ul style="list-style-type: none"> <li>Rotating seal ring material: silicon carbide (SiC)</li> <li>Stationary seat material: silicon carbide (SiC)</li> </ul> <p>This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.</p> <p>Secondary seal material: EPDM (ethylene-propylene rubber)</p> <p>EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.</p>  <p>The shaft seal is screwed into the pump head.</p> <p>The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PTFE neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency.</p> <p>The base is made of cast iron. The oval flanges are bolted to the base. The outlet side of the base has a combined drain plug and bypass valve. The pump is secured to the foundation by four bolts through the base plate.</p>  <p><b>Motor</b></p> <p>The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with tapped-hole flange (FT).</p> <p>Motor-mounting designation in accordance with IEC 60034-7: IM B 14 (Code I) / IM 3601 (Code II).</p> <p>Electrical tolerances comply with IEC 60034.</p> <p>The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.</p> <p>The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I<sub>1</sub>/1).</p> <p><b>Technical data</b></p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -20 .. 120 °C</p> <p>Selected liquid temperature: 20 °C</p> <p>Density: 998.2 kg/m<sup>3</sup></p> <p>Technical:</p> <p>Pump speed on which pump data are based: 2856 rpm</p> <p>Rated flow: 1.8 m<sup>3</sup>/h</p> |

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p>Rated head: 47.1 m</p> <p>Pump orientation: Vertical</p> <p>Shaft seal arrangement: Single</p> <p>Primary shaft seal: HQQE</p> <p>Code for shaft seal: HQQE</p> <p>Approvals: CE,EAC,UKCA,SEPRO,RCM,</p> <p>Approvals for drinking water: WRAS,ACS</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p>Materials:</p> <p>Type key, code for rubber components. E = EPDM, V=FKM: E</p> <p>Base: Cast iron</p> <p>EN 1561 EN-GJL-200</p> <p>ASTM A48-25B</p> <p>Impeller: Stainless steel</p> <p>EN 1.4301</p> <p>AISI 304</p> <p>Type key, code for materials: A</p> <p>Bearing: SIC</p> <p>Installation:</p> <p>Maximum ambient temperature: 60 °C</p> <p>Maximum operating pressure: 16 bar</p> <p>Max pressure at stated temp: 16 bar / 120 °C</p> <p>16 bar / -20 °C</p> <p>Type of connection: Oval / Rp</p> <p>Size of inlet connection: 1 inch</p> <p>Size of outlet connection: 1 inch</p> <p>Pressure rating for connection: PN 16</p> <p>Flange size for motor: FT85</p> <p>Terminal box position: 6</p> <p>Electrical data:</p> <p>Motor standard: IEC</p> <p>Motor type: 71B</p> <p>Rated power - P2: 0.55 kW</p> <p>Power (P2) required by pump: 0.55 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 220-240D/380-415Y V</p> <p>Rated current: 2.50/1.44 A</p> <p>Starting current: 580-620 %</p> <p>Cos phi - power factor: 0.80-0.70</p> <p>Rated speed: 2830-2850 rpm</p> <p>IE Efficiency class: IE3</p> <p>Motor efficiency at full load: 77.8 %</p> <p>Motor efficiency at 3/4 load: 81.5-78.5 %</p> <p>Motor efficiency at 1/2 load: 79.5-74.5 %</p> |



Company name:

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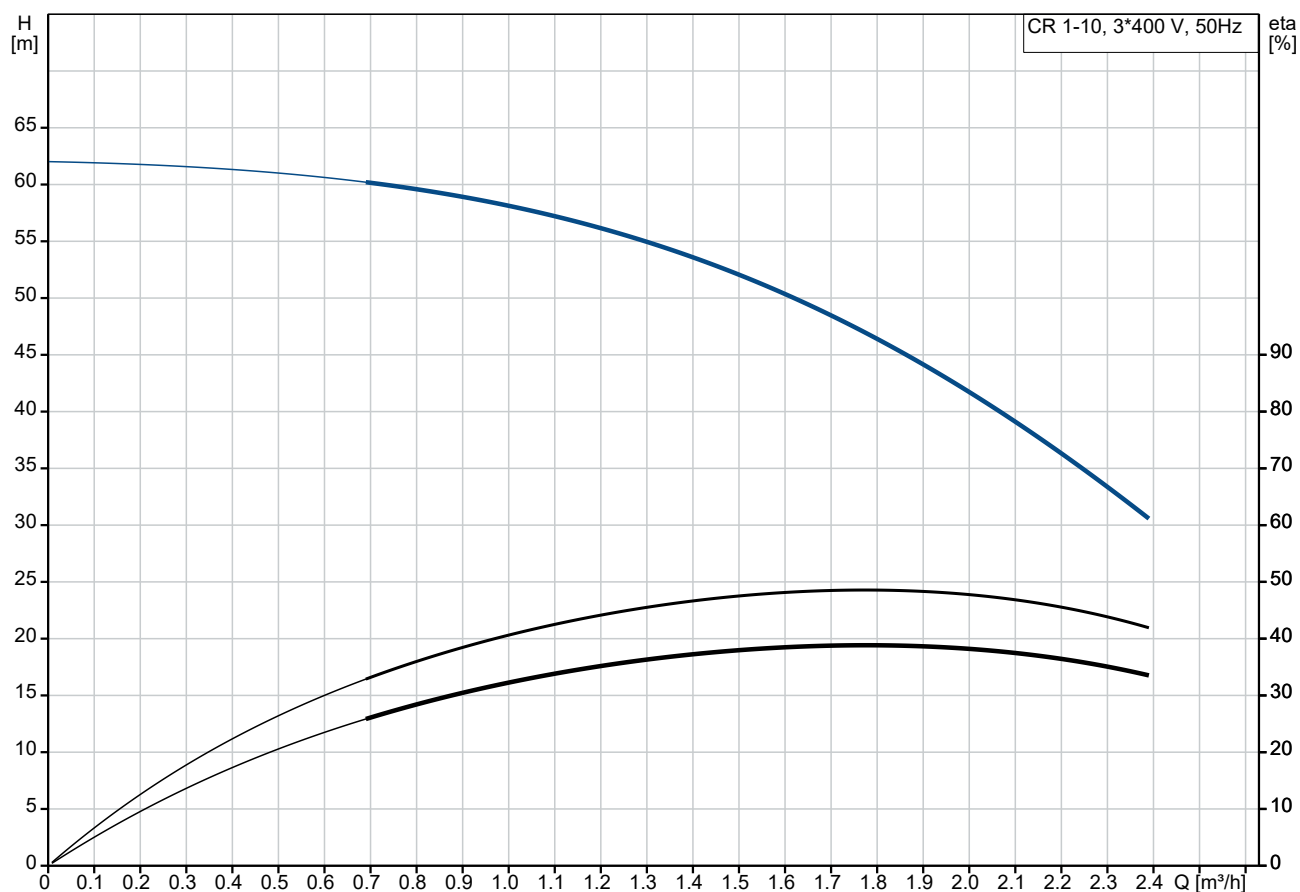
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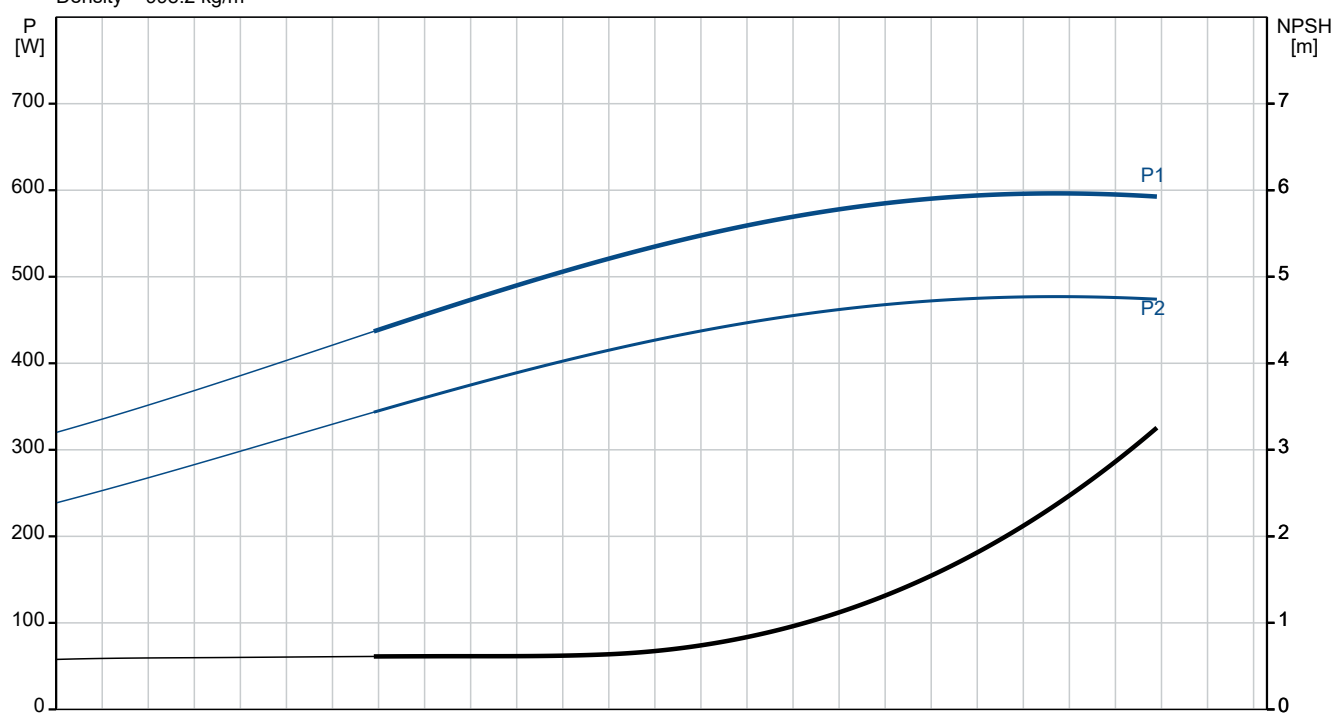
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| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): IP55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Built-in motor protection: NONE</p> <p>Motor No: 85805103</p> <p>Controls:</p> <p>Terminal box position: 6</p> <p>Frequency converter: None</p> <p>Others:</p> <p>Minimum efficiency index, MEI <math>\geq</math>: 0.70</p> <p>Net weight: 20.9 kg</p> <p>Gross weight: 23.6 kg</p> <p>Shipping volume: 0.063 m<sup>3</sup></p> <p>Danish VVS No.: 385900010</p> <p>Swedish RSK No.: 5824808</p> <p>Finnish LVI No.: 4925369</p> |

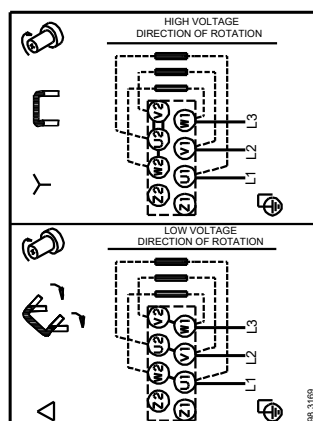
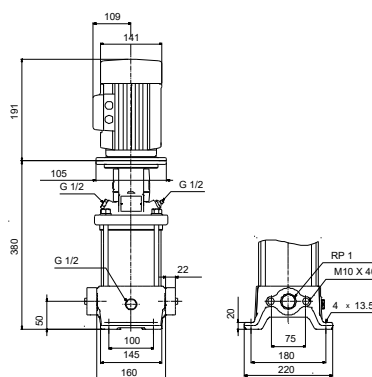
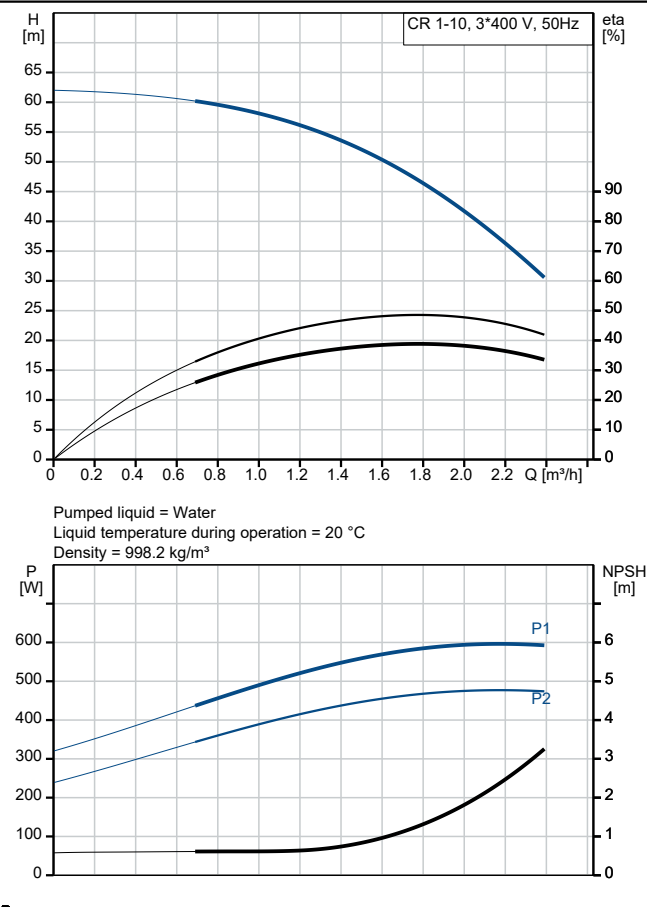
## 96516180 CR 1-10 A-A-A-E-HQQE 50 Hz



Pumped liquid = Water  
Liquid temperature during operation = 20 °C  
Density = 998.2 kg/m³



| Description                                            | Value                   |
|--------------------------------------------------------|-------------------------|
| <b>General information:</b>                            |                         |
| Product name:                                          | CR 1-10 A-A-A-E-HQQE    |
| Product No:                                            | 96516180                |
| EAN number:                                            | 5700396738208           |
| Price:                                                 |                         |
| <b>Technical:</b>                                      |                         |
| Pump speed on which pump data are based:               | 2856 rpm                |
| Rated flow:                                            | 1.8 m³/h                |
| Rated head:                                            | 47.1 m                  |
| Maximum head:                                          | 62 m                    |
| Stages:                                                | 10                      |
| Impellers:                                             | 10                      |
| Number of reduced-diameter impellers:                  | 0                       |
| Low NPSH:                                              | N                       |
| Pump orientation:                                      | Vertical                |
| Shaft seal arrangement:                                | Single                  |
| Primary shaft seal:                                    | HQQE                    |
| Code for shaft seal:                                   | HQQE                    |
| Approvals:                                             | CE,EAC,UKCA,SEPRO,R CM, |
| Approvals for drinking water:                          | WRAS,ACS                |
| Curve tolerance:                                       | ISO9906:2012 3B         |
| Pump version:                                          | A                       |
| Model:                                                 | A                       |
| Pump type:                                             | CR                      |
| <b>Materials:</b>                                      |                         |
| Type key, code for rubber components. E = EPDM, V=FKM: | E                       |
| Base:                                                  | Cast iron               |
|                                                        | EN 1561 EN-GJL-200      |
|                                                        | ASTM A48-25B            |
| Impeller:                                              | Stainless steel         |
|                                                        | EN 1.4301               |
|                                                        | AISI 304                |
| Type key, code for materials:                          | A                       |
| Code for rubber:                                       | E                       |
| Bearing:                                               | SIC                     |
| <b>Installation:</b>                                   |                         |
| Maximum ambient temperature:                           | 60 °C                   |
| Maximum operating pressure:                            | 16 bar                  |
| Max pressure at stated temp:                           | 16 bar / 120 °C         |
|                                                        | 16 bar / -20 °C         |
| Type key, code for pipework connection:                | A                       |
| Type of connection:                                    | Oval / Rp               |
| Size of inlet connection:                              | 1 inch                  |
| Size of outlet connection:                             | 1 inch                  |
| Pressure rating for connection:                        | PN 16                   |
| Flange size for motor:                                 | FT85                    |
| Terminal box position:                                 | 6                       |
| Connect code:                                          | A                       |
| <b>Liquid:</b>                                         |                         |
| Pumped liquid:                                         | Water                   |
| Liquid temperature range:                              | -20 .. 120 °C           |
| Selected liquid temperature:                           | 20 °C                   |
| Density:                                               | 998.2 kg/m³             |
| <b>Electrical data:</b>                                |                         |





Company name:

Created by:

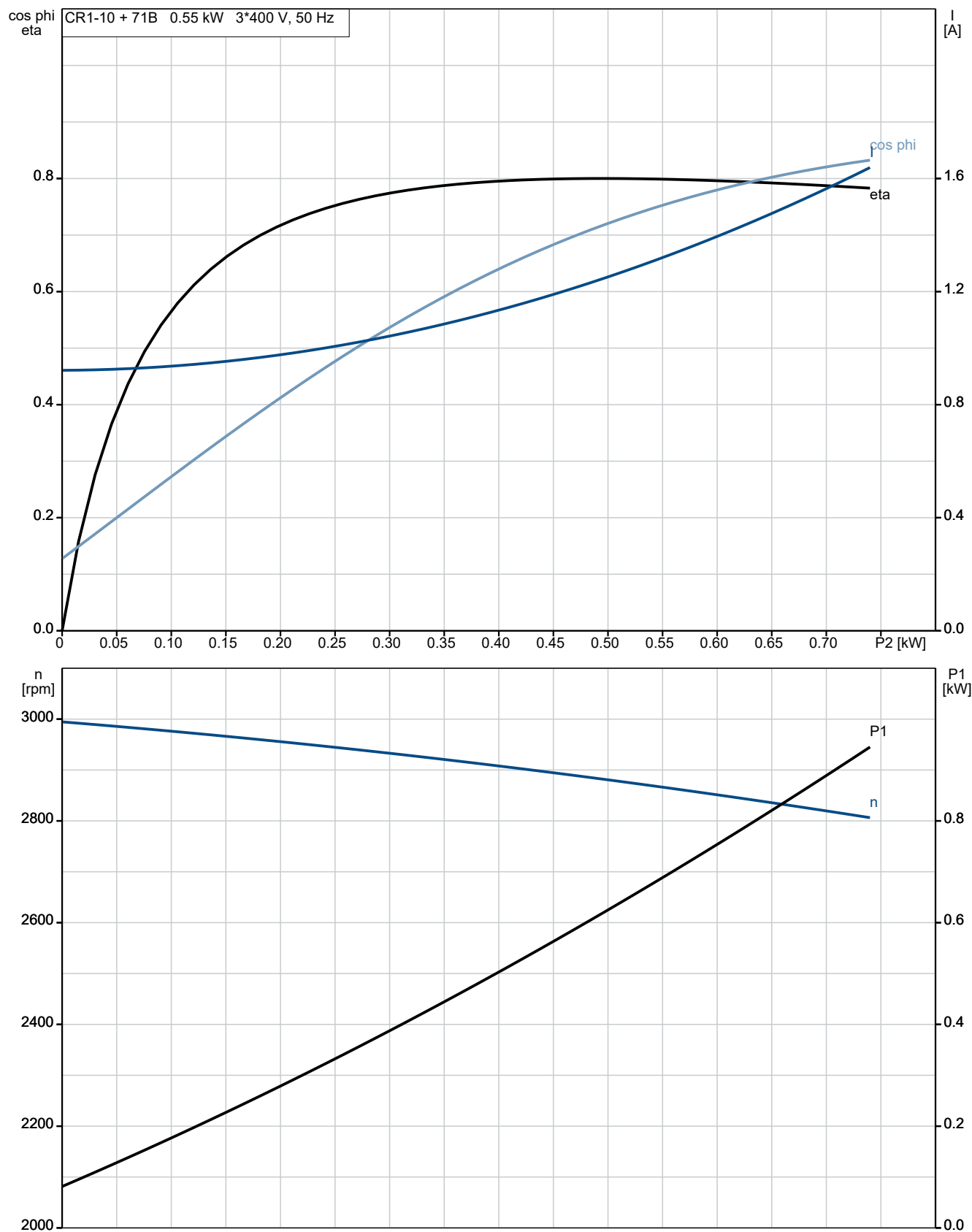
Phone:

Date:

09/09/2026

| Description                      | Value                    |
|----------------------------------|--------------------------|
| Motor standard:                  | IEC                      |
| Motor type:                      | 71B                      |
| Rated power - P2:                | 0.55 kW                  |
| Power (P2) required by pump:     | 0.55 kW                  |
| Mains frequency:                 | 50 Hz                    |
| Rated voltage:                   | 3 x 220-240D/380-415Y V  |
| Rated current:                   | 2.50/1.44 A              |
| Starting current:                | 580-620 %                |
| Cos phi - power factor:          | 0.80-0.70                |
| Rated speed:                     | 2830-2850 rpm            |
| IE Efficiency class:             | IE3                      |
| Motor efficiency at full load:   | 77.8 %                   |
| Motor efficiency at 3/4 load:    | 81.5-78.5 %              |
| Motor efficiency at 1/2 load:    | 79.5-74.5 %              |
| Number of poles:                 | 2                        |
| Enclosure class (IEC 34-5):      | IP55 Dust/Jetting        |
| Insulation class (IEC 85):       | F                        |
| Built-in motor protection:       | NONE                     |
| Motor No:                        | <a href="#">85805103</a> |
| <b>Controls:</b>                 |                          |
| Terminal box position:           | 6                        |
| Frequency converter:             | None                     |
| <b>Others:</b>                   |                          |
| Minimum efficiency index, MEI ≥: | 0.70                     |
| Net weight:                      | 20.9 kg                  |
| Gross weight:                    | 23.6 kg                  |
| Shipping volume:                 | 0.063 m <sup>3</sup>     |
| Danish VVS No.:                  | 385900010                |
| Swedish RSK No.:                 | 5824808                  |
| Finnish LVI No.:                 | 4925369                  |

## 96516180 CR 1-10 A-A-A-E-HQQE 50 Hz





## 96516180 CR 1-10 A-A-A-E-HQQE 50 Hz



98.3169

Note! All units are in [mm] unless others are stated.