



POMPTECHNIEK • SERVICE • ONDERHOUD

## **Inventflow: Grundfos A-partner**

### **Grundfos CR 20-1 A-A-A-E-HQQE**

Find the pump here:

<https://inventflow.nl/en/pompenfilter/cr/grundfos-cr-20-1-a-a-a-e-hqqe>

#### **Contact**

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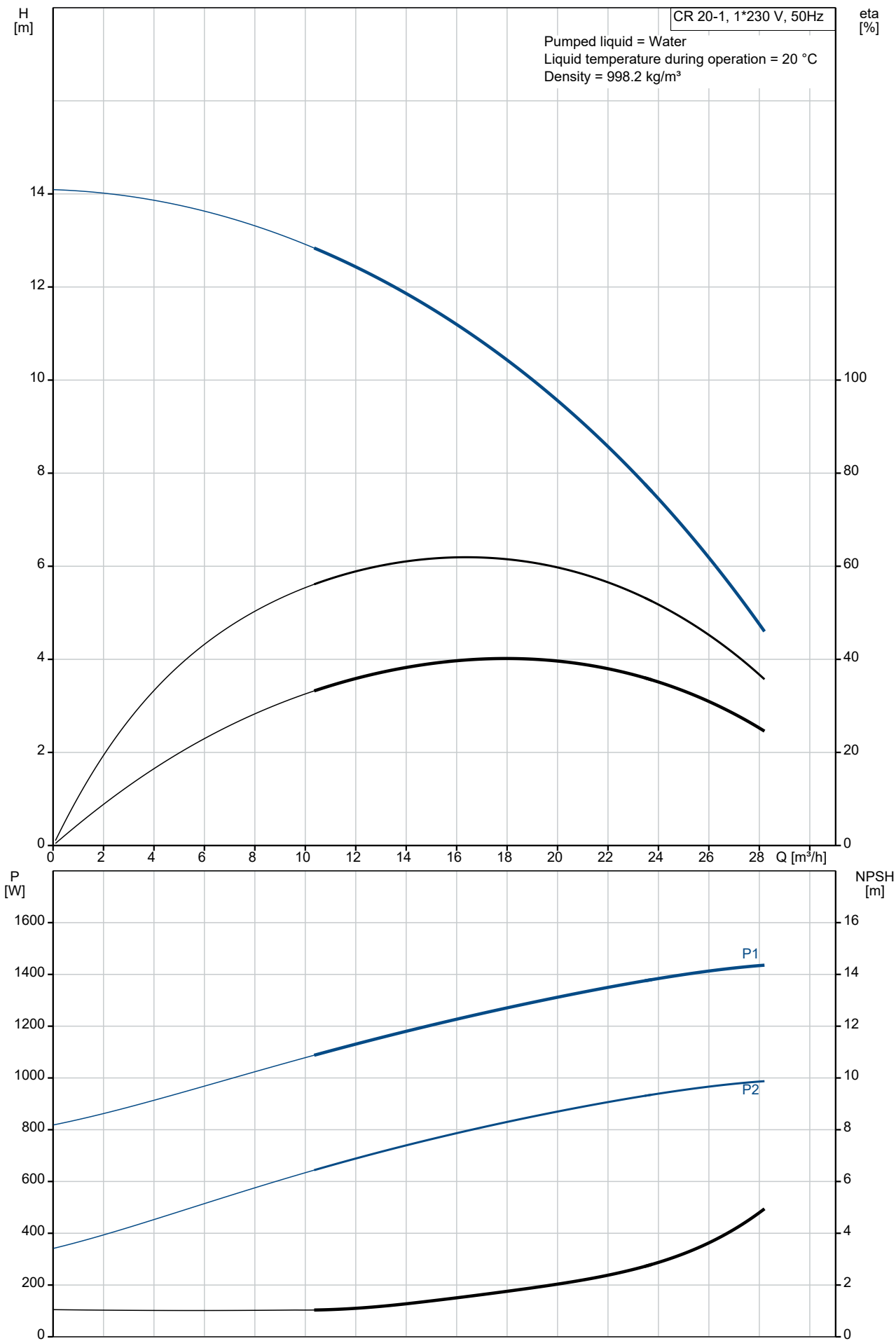
#### **Datasheet**



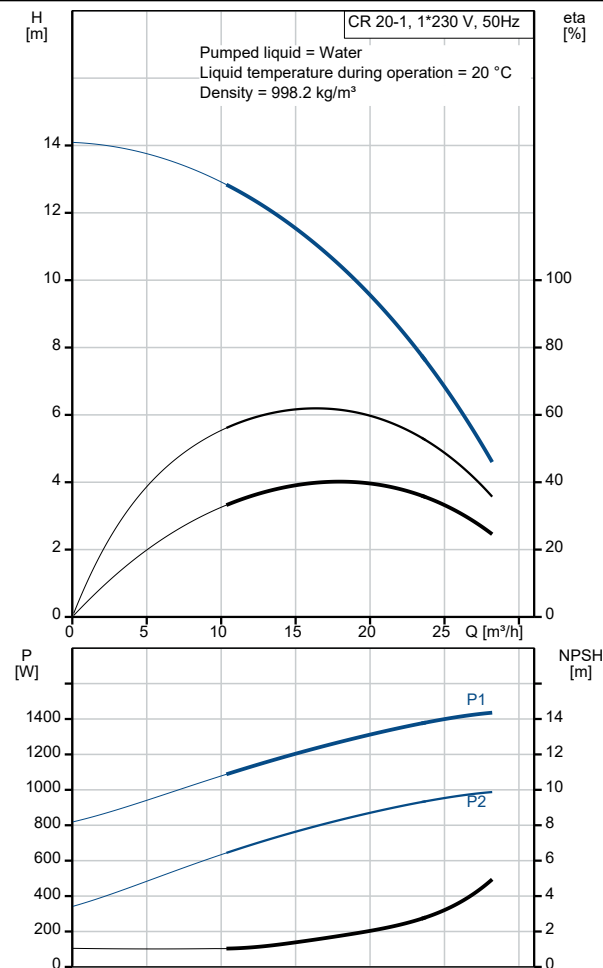
| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p><b>CR 20-1 A-A-A-E-HQQE</b></p>  <p style="text-align: right;"><b>Note! Product picture may differ from actual product</b></p> <p>Product No.: <a href="#">96500186</a><br/> Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p>The pump has the following characteristics:</p> <ul style="list-style-type: none"> <li>- Impellers and intermediate chambers are made of</li> </ul> <p>Impeller: Stainless steel, EN 1.4301.</p> <p>Pump housing: - Pump head and base are made of Cast iron.</p> <ul style="list-style-type: none"> <li>- The shaft seal has assembly length according to EN 12756.</li> <li>- Power transmission is via cast iron split coupling.</li> </ul> <p>Flange standard: - Pipework connection is via Oval / Rp flanges.</p> <p>Phase: The motor is a 1-phase AC motor.</p> <p>Controls:</p> <p>Frequency converter: NONE</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/m³</p> <p>Technical:</p> <p>Pump speed on which pump data are based: 2789 rpm</p> <p>Rated flow: 21 m³/h</p> <p>Rated head: 9.5 m</p> <p>Pump orientation: Vertical</p> <p>Shaft seal arrangement: Single</p> <p>Code for shaft seal: HQQE</p> <p>Approvals on nameplate: CE,EAC,UKCA,WRAS,ACS</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p>Materials:</p> <p>Base: Cast iron<br/> EN 1561 EN-GJL-200<br/> ASTM A48-25B</p> <p>Impeller: Stainless steel<br/> EN 1.4301<br/> AISI 304</p> <p>Bearing: SIC</p> <p>Installation:</p> |

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <p>Maximum ambient temperature: 40 °C</p> <p>Maximum operating pressure: 10 bar</p> <p>Max pressure at stated temp: 10 bar / 120 °C<br/>10 bar / -20 °C</p> <p>Type of connection: Oval / Rp</p> <p>Size of inlet connection: 2 inch</p> <p>Size of outlet connection: 2 inch</p> <p>Pressure rating for connection: PN 10</p> <p>Flange size for motor: FT115</p> <p>Electrical data:</p> <p>Motor standard: IEC</p> <p>Motor type: 90SB</p> <p>Rated power - P2: 1.1 kW</p> <p>Power (P2) required by pump: 1.1 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 1 x 220-230/240 V</p> <p>Rated current: 7.40/6.70 A</p> <p>Starting current: 390 %</p> <p>Cos phi - power factor: 0.98/0.99</p> <p>Rated speed: 2770 rpm</p> <p>Motor efficiency at full load: 73-71 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 85215705</p> <p>Others:</p> <p>Minimum efficiency index, MEI ≥: 0.70</p> <p>Net weight: 49 kg</p> <p>Gross weight: 53 kg</p> <p>Shipping volume: 0.094 m³</p> <p>Country of origin: HU</p> <p>Custom tariff no.: 84137075</p> |

96500186 CR 20-1 A-A-A-E-HQQE 50 Hz

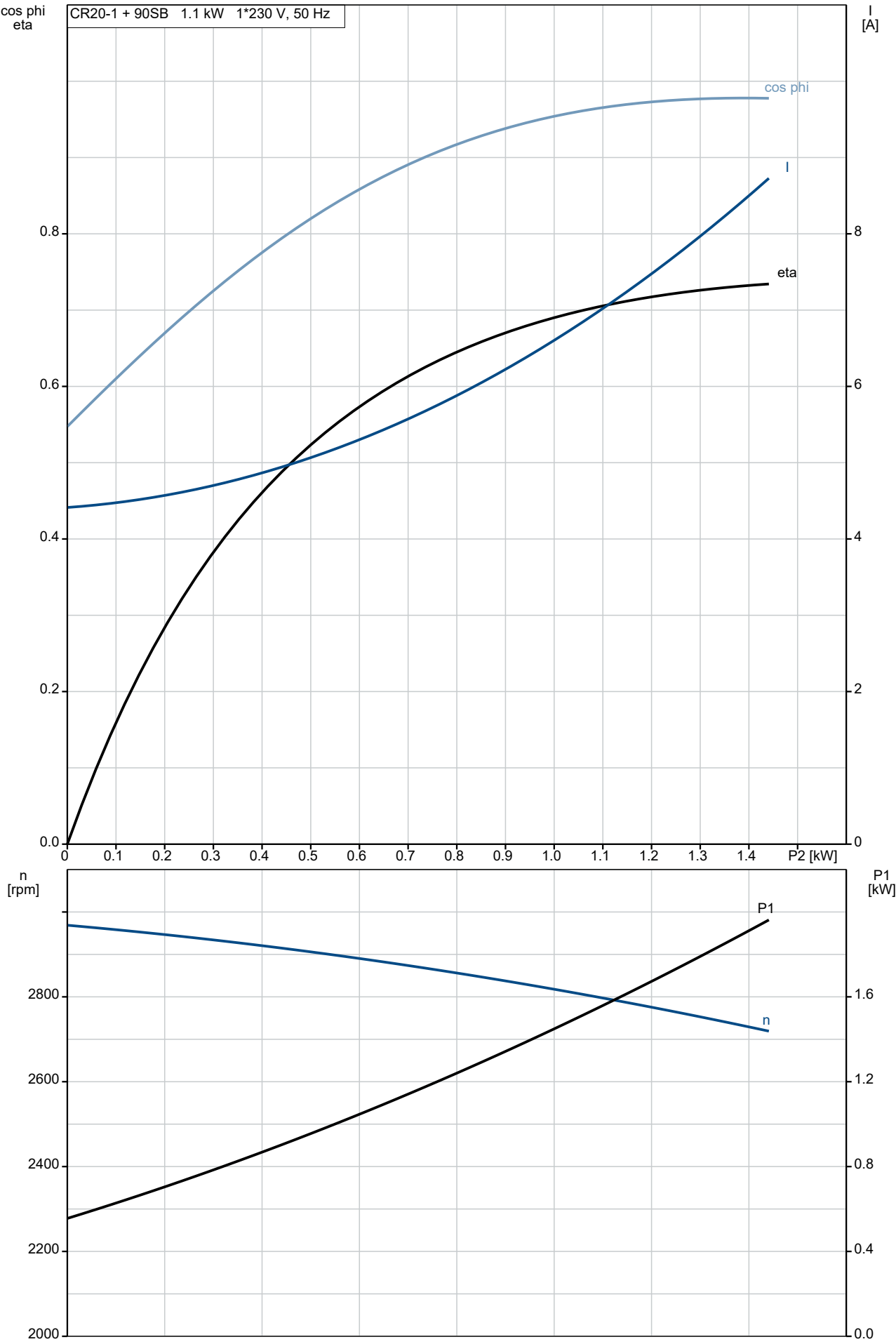


| Description                              | Value                 |
|------------------------------------------|-----------------------|
| <b>General information:</b>              |                       |
| Product name:                            | CR 20-1 A-A-A-E-HQQE  |
| Product No:                              | 96500186              |
| EAN number:                              | 5700396198286         |
| <b>Technical:</b>                        |                       |
| Pump speed on which pump data are based: | 2789 rpm              |
| Rated flow:                              | 21 m³/h               |
| Rated head:                              | 9.5 m                 |
| Maximum head:                            | 13.8 m                |
| Stages:                                  | 2                     |
| Impellers:                               | 1                     |
| Number of reduced-diameter impellers:    | 0                     |
| Low NPSH:                                | N                     |
| Pump orientation:                        | Vertical              |
| Shaft seal arrangement:                  | Single                |
| Code for shaft seal:                     | HQQE                  |
| Approvals on nameplate:                  | CE,EAC,UKCA,WRAS,A CS |
| Curve tolerance:                         | ISO9906:2012 3B       |
| Pump version:                            | A                     |
| Model:                                   | A                     |
| <b>Materials:</b>                        |                       |
| Base:                                    | Cast iron             |
| Base:                                    | EN 1561 EN-GJL-200    |
| Base:                                    | ASTM A48-25B          |
| Impeller:                                | Stainless steel       |
| Impeller:                                | EN 1.4301             |
| Impeller:                                | AISI 304              |
| Material code:                           | A                     |
| Code for rubber:                         | E                     |
| Bearing:                                 | SIC                   |
| <b>Installation:</b>                     |                       |
| Maximum ambient temperature:             | 40 °C                 |
| Maximum operating pressure:              | 10 bar                |
| Max pressure at stated temp:             | 10 bar / 120 °C       |
| Max pressure at stated temp:             | 10 bar / -20 °C       |
| Type of connection:                      | Oval / Rp             |
| Size of inlet connection:                | 2 inch                |
| Size of outlet connection:               | 2 inch                |
| Pressure rating for connection:          | PN 10                 |
| Flange size for motor:                   | FT115                 |
| 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>                  |                       |
| Motor standard:                          | IEC                   |
| Motor type:                              | 90SB                  |
| Rated power - P2:                        | 1.1 kW                |
| Power (P2) required by pump:             | 1.1 kW                |
| Mains frequency:                         | 50 Hz                 |
| Rated voltage:                           | 1 x 220-230/240 V     |
| Rated current:                           | 7.40/6.70 A           |
| Starting current:                        | 390 %                 |
| Cos phi - power factor:                  | 0.98/0.99             |
| Rated speed:                             | 2770 rpm              |
| Motor efficiency at full load:           | 73-71 %               |
| Number of poles:                         | 2                     |
| Enclosure class (IEC 34-5):              | 55 Dust/Jetting       |
| Insulation class (IEC 85):               | F                     |
| Motor protec:                            | PTO                   |

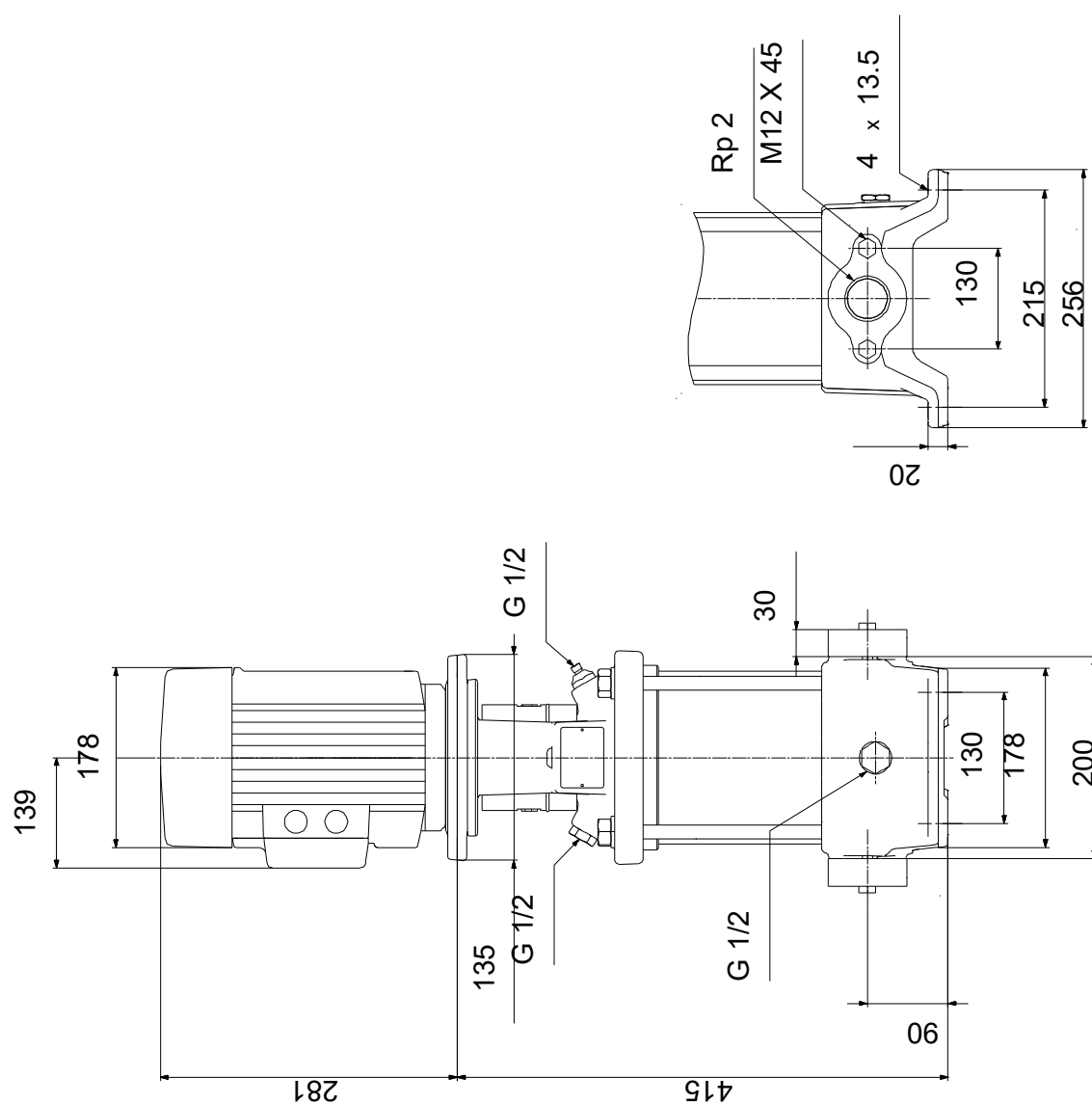


| Description                      | Value    |
|----------------------------------|----------|
| Motor No:                        | 85215705 |
| <b>Controls:</b>                 |          |
| Frequency converter:             | NONE     |
| <b>Others:</b>                   |          |
| Minimum efficiency index, MEI ≥: | 0.70     |
| Net weight:                      | 49 kg    |
| Gross weight:                    | 53 kg    |
| Shipping volume:                 | 0.094 m³ |
| Country of origin:               | HU       |
| Custom tariff no.:               | 84137075 |

# 96500186 CR 20-1 A-A-A-E-HQQE 50 Hz



# 96500186 CR 20-1 A-A-A-E-HQQE 50 Hz



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

**Spare parts CR 20-1, Product No. 96500186**  
**Produced After 0401 (production year and week number)**

| Pos  | Omschrijving              | Opmerking | Classificatie Gegevens  | Onderdeeln | Aant | Eenhei |
|------|---------------------------|-----------|-------------------------|------------|------|--------|
|      | Kit, chamber stack        |           |                         | 96508541   | 1    | pcs    |
| 80   | Chamber stack             |           |                         |            | 1    |        |
| 4a   | Intermediate chamber cpl. |           |                         |            | 1    |        |
|      | Bearing plate             |           |                         |            |      |        |
| 3    | Intermediate chamber      |           |                         |            |      |        |
| 45   | Neck ring cpl.            |           |                         |            |      |        |
| 47   | Bearing bush              |           |                         |            |      |        |
| 65   | Retainer for upper seal   |           |                         |            |      |        |
| 4    | Upper chamber cpl.        |           |                         |            | 1    |        |
| 3    | Chamber                   |           |                         |            |      |        |
| 26a  | Strap cpl.                |           |                         |            | 2    |        |
| 26.c | Washer                    |           | Designation: DIN 125A   |            | 2    |        |
|      |                           |           | Thickness: 1,6          |            |      |        |
| 26.b | Hex head screw            |           |                         |            | 2    |        |
| 44b  | Inlet part                |           |                         |            | 1    |        |
| 44a  | Inlet part cpl.           |           |                         |            | 1    |        |
|      | Sand Lifter               |           |                         |            |      |        |
|      | Guide cup                 |           |                         |            |      |        |
|      | Inlet part                |           |                         |            |      |        |
| 45   | Neck ring cpl.            |           |                         |            |      |        |
| 65   | Retainer for upper seal   |           |                         |            |      |        |
| 47a  | Bearing ring              |           |                         |            | 1    |        |
| 49   | Impeller cpl.             |           |                         |            | 1    |        |
|      | Impeller blade            |           |                         |            |      |        |
|      | Impeller plate            |           |                         |            |      |        |
|      | Impeller plate            |           |                         |            |      |        |
| 49c  | Wear ring                 |           |                         |            |      |        |
| 51   | Shaft, spline, cpl.       |           |                         |            | 1    |        |
|      | Bar                       |           |                         |            |      |        |
| 62   | Stop ring                 |           |                         |            |      |        |
| 64d  | Spacing bush              |           |                         |            | 1    |        |
| 64c  | Spacer                    |           |                         |            | 1    |        |
| 64b  | Spacing bush              |           | Length (mm): 5.00       |            | 1    |        |
| 64a  | Spacing pipe              |           | Internal diameter: 17,5 |            | 1    |        |
|      |                           |           | Length (mm): 17         |            |      |        |
| 64   | Spacing pipe              |           | Length (mm): 29.05      |            | 1    |        |
| 66   | Wedge lock washer         |           |                         |            | 1    |        |
| 67   | Lock nut                  |           | Thread: M8              |            | 1    |        |
|      | Kit, coupling             |           |                         | 96511319   | 1    | pcs    |
|      | Adjusting fork            |           |                         |            | 1    |        |
| 9    | Hex socket head cap screw |           | Designation: DIN 912    |            | 4    |        |
|      |                           |           | Length (mm): 25         |            |      |        |
|      |                           |           | Thread: M8              |            |      |        |
| 10a  | Coupling half             |           |                         |            | 2    |        |
| 10   | Shaft pin                 |           | Diameter: 5             |            | 1    |        |
|      |                           |           | Length (mm): 26         |            |      |        |
|      | Kit, coupling guard       |           |                         | 96509612   | 1    | pcs    |
| 7.a  | Combi Slot Torx screw     |           |                         |            | 4    |        |
| 7    | Coupling guard            |           |                         |            | 2    |        |

| Pos      | Omschrijving              | Opmerking | Classificatie Gegevens | Onderdeeln | Aant | Eenhei |
|----------|---------------------------|-----------|------------------------|------------|------|--------|
|          | Kit, gaskets              |           |                        | 96509609   | 1    | pcs    |
|          | Gasket                    |           |                        |            | 2    |        |
| 24       | O-ring                    |           |                        |            | 2    |        |
| 37       | O-ring                    |           |                        |            | 2    |        |
| 38       | O-ring                    |           |                        |            | 1    |        |
| 38       | O-ring                    |           |                        |            | 1    |        |
| 38       | O-ring                    |           |                        |            | 2    |        |
| 60       | Spring                    |           |                        |            | 4    |        |
| 415      | Gasket                    |           | Internal diameter: 44  |            | 2    |        |
|          |                           |           | Outer diameter: 60     |            |      |        |
|          |                           |           | Thickness: 2           |            |      |        |
| 441<br>b | Gasket                    |           | Internal diameter: 49  |            | 2    |        |
|          |                           |           | Outer diameter: 92     |            |      |        |
|          |                           |           | Thickness: 2           |            |      |        |
|          | Kit, plug                 |           |                        | 96511311   | 1    | pcs    |
| 18       | Air vent screw            |           |                        |            | 1    |        |
|          | Spindle                   |           |                        |            | 1    |        |
|          | Plug                      |           |                        |            | 1    |        |
| 25a      | Drain plug                |           |                        |            | 1    |        |
| 25       | Plug                      |           |                        |            | 1    |        |
| 38       | O-ring                    |           |                        |            | 1    |        |
| 38       | O-ring                    |           |                        |            | 1    |        |
| 38       | O-ring                    |           |                        |            | 2    |        |
| 38       | O-ring                    |           | Diameter: 5,3          |            | 1    |        |
|          |                           |           | Material type: FKM     |            |      |        |
|          |                           |           | Thickness: 2,4         |            |      |        |
| 38       | O-ring                    |           | Diameter: 16,3         |            | 1    |        |
|          |                           |           | Material type: FKM     |            |      |        |
|          |                           |           | Thickness: 2,4         |            |      |        |
| 38       | O-ring                    |           | Diameter: 16,3         |            | 2    |        |
|          |                           |           | Material type: FKM     |            |      |        |
|          |                           |           | Thickness: 2,4         |            |      |        |
|          | Kit, shaft seal HQQE      |           |                        | 96511844   | 1    | pcs    |
| 105      | Shaft seal                |           | Material type: HQQE    |            | 1    |        |
|          | Kit, wear parts           |           |                        | 96511824   | 1    | pcs    |
| 4a       | Intermediate chamber cpl. |           |                        |            | 1    |        |
|          | Sand Lifter               |           |                        |            | 1    |        |
|          | Guide cup                 |           |                        |            | 1    |        |
|          | Bearing plate             |           |                        |            | 1    |        |
|          | Guide vane                |           |                        |            | 10   |        |
| 3        | Intermediate chamber      |           |                        |            | 1    |        |
| 45       | Neck ring cpl.            |           |                        |            | 1    |        |
| 47       | Bearing bush              |           |                        |            | 1    |        |
| 65       | Retainer                  |           |                        |            | 1    |        |
| 26.c     | Washer                    |           | Designation: DIN 125A  |            | 2    |        |
|          |                           |           | Thickness: 1,6         |            |      |        |
| 26.b     | Hex head screw            |           |                        |            | 2    |        |
| 45       | Neck ring cpl.            |           |                        |            | 5    |        |
| 47a      | Bearing ring              |           |                        |            | 1    |        |
| 49c      | Wear ring                 |           |                        |            | 6    |        |
| 62       | Retaining ring            |           |                        |            | 1    |        |
| 64d      | Spacing bush              |           |                        |            | 1    |        |
| 64c      | Spacer                    |           |                        |            | 1    |        |
| 64b      | Spacing bush              |           | Length (mm): 5.00      |            | 1    |        |

| Pos      | Omschrijving                  | Opmerking | Classificatie Gegevens                  | Onderdeeln | Aant | Eenhei |
|----------|-------------------------------|-----------|-----------------------------------------|------------|------|--------|
| 64a      | Spacing pipe                  |           | Internal diameter: 17,5                 |            | 1    |        |
|          |                               |           | Length (mm): 17                         |            |      |        |
| 65       | Retainer                      |           |                                         |            | 5    |        |
| 66       | Wedge lock washer             |           |                                         |            | 1    |        |
| 67       | Lock nut                      |           | Thread: M8                              |            | 1    |        |
|          | Base cpl.                     |           |                                         | 99077820   | 1    | pcs    |
| 6        | Base                          |           |                                         | 99535016   | 1    |        |
| 25a      | Drain plug                    |           |                                         | 96535881   | 1    |        |
| 35       | Hex head screw                |           |                                         | 96620478   | 4    |        |
| 441<br>a | Flange                        |           |                                         | 99315185   | 2    |        |
|          | Motor                         |           |                                         | 85900335   | 1    | pcs    |
|          | Kit, bearing cpl.             |           |                                         | 96279794   | 1    |        |
| 111      | Ball bearing                  |           |                                         |            | 1    |        |
| 154      | Ball bearing                  |           |                                         |            | 1    |        |
| 157      | O-ring                        |           | Diameter: 52                            |            | 1    |        |
|          |                               |           | Material type: NBR                      |            |      |        |
|          |                               |           | Thickness: 3                            |            |      |        |
| 158      | Waved washer                  |           |                                         |            | 1    |        |
| 187      | Retaining ring                |           |                                         |            | 1    |        |
| 188      | Retaining ring                |           |                                         |            | 1    |        |
|          | Kit, capacitor                |           |                                         | 96279807   | 1    |        |
| 160      | Capacitor cpl.                |           | Supplementary information: 50MF<br>400V |            | 1    |        |
|          | Bracket cpl.                  |           |                                         |            |      |        |
| 161      | Capacitor                     |           |                                         |            |      |        |
| 163      | Hex socket head screw         |           |                                         |            | 1    |        |
| 176      | Terminal                      |           |                                         |            | 1    |        |
|          | Kit, end shield               |           |                                         | 96279789   | 1    |        |
| 156<br>a | End shield                    |           |                                         |            | 1    |        |
| 157<br>a | Gasket                        |           | Internal diameter: 141,2                |            | 1    |        |
|          |                               |           | Outer diameter: 145,5                   |            |      |        |
|          |                               |           | Thickness: 0,2                          |            |      |        |
| 157      | O-ring                        |           | Diameter: 52                            |            | 1    |        |
|          |                               |           | Material type: NBR                      |            |      |        |
|          |                               |           | Thickness: 3                            |            |      |        |
| 158      | Waved washer                  |           |                                         |            | 1    |        |
| 159<br>a | Seal ring                     |           |                                         |            | 1    |        |
|          | Kit, fan                      |           |                                         | 96279758   | 1    |        |
| 156      | Fan                           |           |                                         |            | 1    |        |
| 159<br>c | Seal ring                     |           |                                         |            | 1    |        |
| 159<br>a | Seal ring                     |           |                                         |            | 1    |        |
|          | Kit, fan cover                |           |                                         | 96279755   | 1    |        |
| 151      | Fan cover                     |           |                                         |            | 1    |        |
| 152      | Pan head thread forming screw |           |                                         |            | 4    |        |
|          | Kit, flange                   |           |                                         | 96279777   | 1    |        |
| 156<br>b | Flange                        |           |                                         |            | 1    |        |

| Pos       | Omschrijving                  | Opmerking | Classificatie Gegevens      | Onderdeeln | Aant | Eenhei |
|-----------|-------------------------------|-----------|-----------------------------|------------|------|--------|
| 159.<br>c | Seal ring                     |           |                             |            | 1    |        |
| 184       | Gasket                        |           | Internal diameter: 141,2    |            | 1    |        |
|           |                               |           | Outer diameter: 145,5       |            |      |        |
|           |                               |           | Thickness: 0,2              |            |      |        |
| 186       | Drain plug                    |           |                             |            | 3    |        |
|           | Kit, retaining ring           |           |                             | 96279798   | 1    |        |
| 187       | Retaining ring                |           |                             |            | 1    |        |
| 188       | Retaining ring                |           |                             |            | 1    |        |
|           | Kit, shaft seal               |           |                             | 96279761   | 1    |        |
| 159<br>c  | Seal ring                     |           |                             |            | 1    |        |
| 159<br>a  | Seal ring                     |           |                             |            | 1    |        |
|           | Kit, staybolts                |           |                             | 96279791   | 1    |        |
| 181       | Pan head staybolt             |           |                             |            | 4    |        |
|           | Kit, terminal board           |           |                             | 96279888   | 1    |        |
|           | Bracket cpl.                  |           |                             |            | 1    |        |
| 163       | Hex socket head screw         |           |                             |            | 1    |        |
| 173<br>a  | Washer                        |           | Designation: SQUARE         |            | 1    |        |
|           |                               |           | Internal diameter: 5,5      |            |      |        |
|           |                               |           | Outer diameter: 10X10       |            |      |        |
|           |                               |           | Thickness: 1,5              |            |      |        |
| 173       | Pan head thread forming screw |           | Designation: COMBI TORX T25 |            | 1    |        |
| 176       | Terminal                      |           |                             |            | 1    |        |
| 177       | Pan head screw                |           |                             |            | 1    |        |
| 178       | Connecting piece              |           |                             |            | 3    |        |
| 180<br>a  | Slot cheese head screw        |           | Designation: COMBI TORX T25 |            | 6    |        |
|           |                               |           | Length (mm): 10             |            |      |        |
|           |                               |           | Thread: M5                  |            |      |        |
| 180       | Wire clamp                    |           |                             |            | 3    |        |
|           | Kit, terminal box cover       |           |                             | 96279770   | 1    |        |
| 164       | Terminal box cover w/gasket   |           |                             |            | 1    |        |
| 166       | Pan head thread forming screw |           |                             |            | 4    |        |
|           | Kit, thermal protector        |           |                             | 96279812   | 1    |        |
| 174       | Protector cpl.                |           |                             |            | 1    |        |
| 175       | Pan head screw                |           |                             |            | 2    |        |
| 2a        | Pump head                     |           |                             | 98852386   | 1    | pcs    |
| 4a        | Intermediate chamber cpl.     |           |                             | 96538842   | 1    | pcs    |
| 3         | Intermediate chamber          |           |                             | 96535086   | 1    |        |
| 65        | Retainer for upper seal ring  |           |                             | 97699527   | 1    |        |
| 65        | Retainer for upper seal ring  |           |                             | 96587913   | 1    |        |
| 4a        | Intermediate chamber cpl.     |           |                             | 98371109   | 1    | pcs    |
| 7.a       | Combi Slot Torx screw         |           |                             | 96886324   | 4    | pcs    |
| 10        | Shaft pin                     |           | Diameter: 5                 | 96536473   | 1    | pcs    |
|           |                               |           | Length (mm): 26             |            |      |        |
| 10        | Shaft pin                     |           | Diameter: 5                 | 96587588   | 1    | pcs    |
|           |                               |           | Length (mm): 26             |            |      |        |
| 18        | Air vent screw                |           |                             | 96547461   | 1    | pcs    |
| 18        | Air vent screw                |           |                             | 95061351   | 1    | pcs    |
| 25        | Plug                          |           |                             | 96536013   | 1    | pcs    |

| Pos  | Omschrijving        | Opmerking | Classificatie Gegevens  | Onderdeeln | Aant | Eenhei |
|------|---------------------|-----------|-------------------------|------------|------|--------|
| 26a  | Strap cpl.          |           |                         | 98964727   | 2    | pcs    |
| 26.c | Washer              |           | Designation: DIN 125A   | 99262704   | 2    | pcs    |
|      |                     |           | Thickness: 1,6          |            |      |        |
| 26.c | Washer              |           | Designation: DIN 125A   | 99886930   | 2    | pcs    |
|      |                     |           | Thickness: 1,6          |            |      |        |
| 26   | Staybolt            |           | Length (mm): 163        | 98680984   | 4    | pcs    |
|      |                     |           | Thread: M16             |            |      |        |
| 26   | Staybolt            |           | Length (mm): 163        | 98680982   | 4    | pcs    |
|      |                     |           | Thread: M16             |            |      |        |
| 28   | Hex head screw      |           | Length (mm): 20         | 99932722   | 4    | pcs    |
|      |                     |           | Thread: M8              |            |      |        |
| 32   | Washer              |           | Designation: DIN 125 A  | 98923051   | 4    | pcs    |
|      |                     |           | Internal diameter: 17   |            |      |        |
|      |                     |           | Outer diameter: 30      |            |      |        |
|      |                     |           | Thickness: 3            |            |      |        |
| 36   | Hex nut             |           | Thread: M16             | 96620480   | 4    | pcs    |
| 37   | O-ring              |           |                         | 96538857   | 2    | pcs    |
| 38   | O-ring              |           |                         | 99198791   | 1    | pcs    |
| 38   | O-ring              |           |                         | 99198815   | 3    | pcs    |
| 38   | O-ring              |           |                         | 99412727   | 3    | pcs    |
| 44b  | Inlet part          |           |                         | 98814595   | 1    | pcs    |
| 44a  | Inlet part cpl.     |           |                         | 98818924   | 1    | pcs    |
| 47a  | Bearing ring        |           |                         | 96538795   | 1    | pcs    |
| 49   | Impeller cpl.       |           |                         | 96538799   | 1    | pcs    |
| 49c  | Wear ring           |           |                         | 96547340   | 1    |        |
| 49   | Impeller cpl.       |           |                         | 98394458   | 1    | pcs    |
| 51   | Shaft, spline, cpl. |           |                         | 98368605   | 1    | pcs    |
| 55   | Outer sleeve        |           |                         | 98812619   | 1    | pcs    |
| 60   | Spring              |           |                         | 96538963   | 4    | pcs    |
| 64d  | Spacing bush        |           |                         | 96538947   | 1    | pcs    |
| 64c  | Spacer              |           |                         | 97980241   | 1    | pcs    |
| 64b  | Spacing bush        |           | Length (mm): 5.00       | 96535098   | 1    | pcs    |
| 64a  | Spacing pipe        |           | Internal diameter: 17,5 | 98417487   | 1    | pcs    |
|      |                     |           | Length (mm): 17         |            |      |        |
| 64   | Spacing pipe        |           | Length (mm): 29.05      | 96535101   | 1    | pcs    |
| 66   | Wedge lock washer   |           |                         | 96536157   | 1    | pcs    |
| 66   | Wedge lock washer   |           |                         | 92575609   | 1    | pcs    |
| 67   | Lock nut            |           | Thread: M8              | 98277008   | 1    | pcs    |
| 76a  | Rivet               |           |                         | 96620489   | 1    | pcs    |
| 105  | Shaft seal          |           | Material type: HQQE     | 96538914   | 1    | pcs    |