

## CRN10-16 A-P-G-E-HQQE 3x400D 50 HZ

Grundfos Pump 96501284



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<https://www.lennotech.com/grundfos/CRN10/96501284/CRN-10-16-A-P-G-E-HQQE.html>

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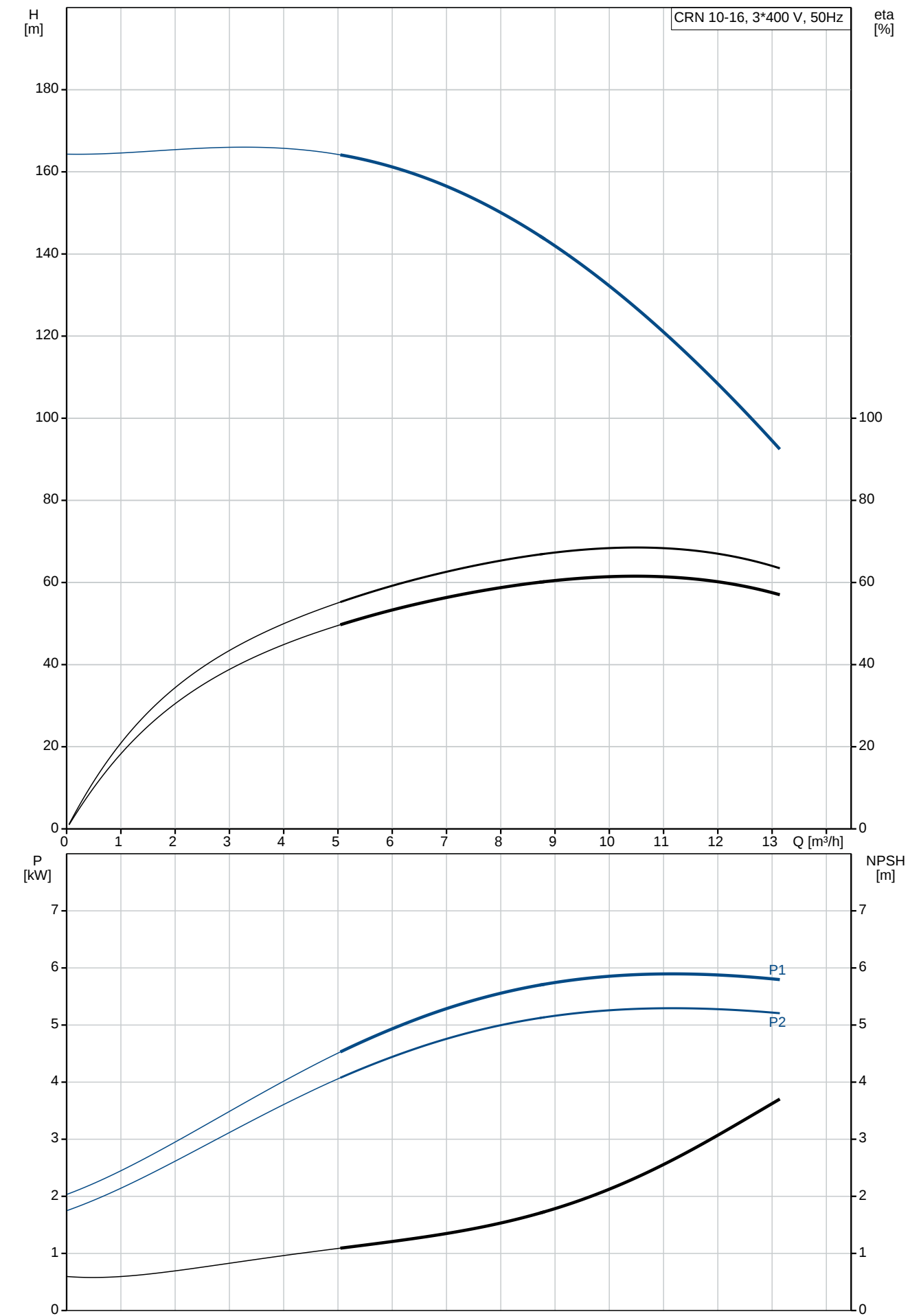
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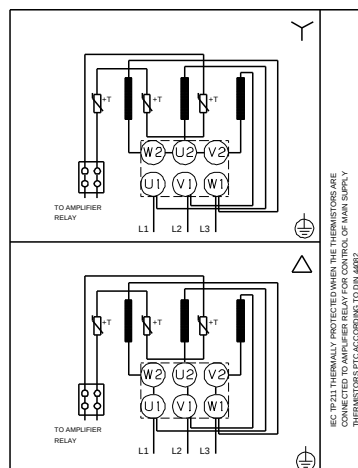
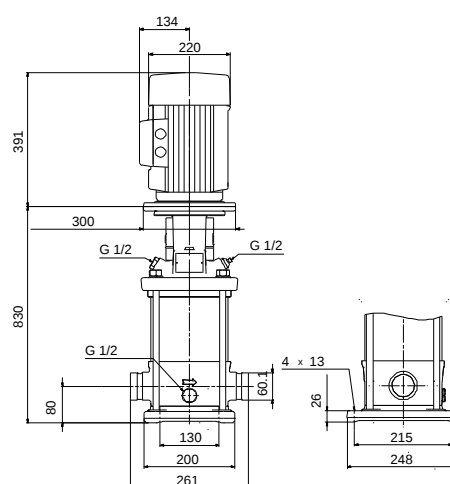
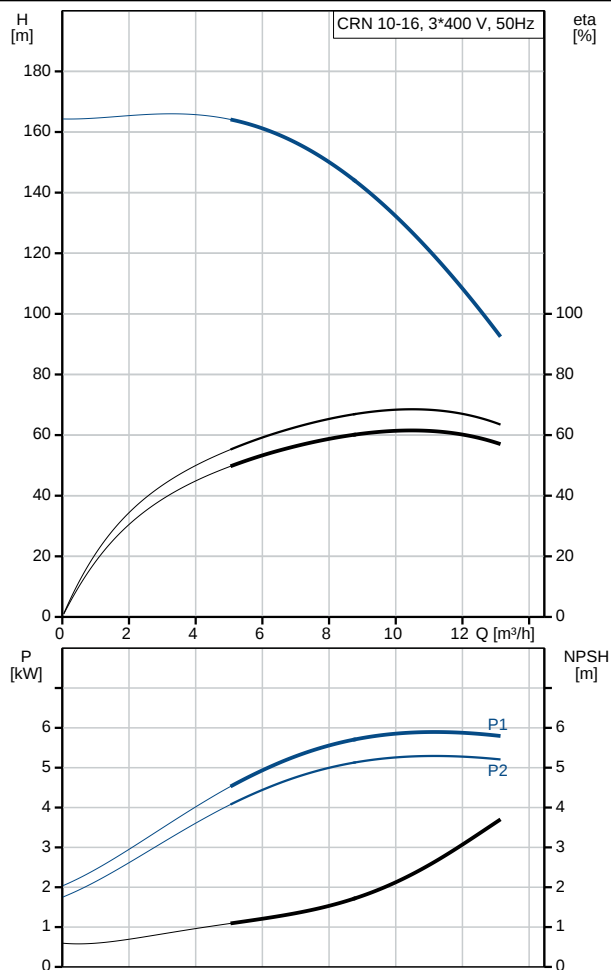
| Position | Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | 1    | <p><b>CRN 10-16 A-P-G-E-HQQE</b></p>  <p>Product No.: <a href="#">96501284</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, intermediate chambers and outer sleeve are made of</li> <li>- Pump head cover and base are made of</li> <li>- The shaft seal has assembly length according to EN 12756.</li> <li>- Power transmission is via cast iron split coupling.</li> </ul> <p>flanges/couplings.</p> <p>The motor is a 3-phase AC motor.</p> <p><b>Controls:</b><br/>           Frequency converter: NONE</p> <p><b>Liquid:</b><br/>           Pumped liquid: Water<br/>           Liquid temperature range: -20 .. 120 °C<br/>           Liquid temperature during operation: 20 °C<br/>           Density: 998.2 kg/m³</p> <p><b>Technical:</b><br/>           Speed for pump data: 2919 rpm<br/>           Rated flow: 10 m³/h<br/>           Rated head: 129.4 m<br/>           Pump orientation: Vertical<br/>           Shaft seal arrangement: Single<br/>           Code for shaft seal: HQQE<br/>           Approvals on nameplate: CE, EAC, ACS<br/>           Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b><br/>           Base: Stainless steel<br/>                     EN 1.4408<br/>                     AISI 316<br/>           Impeller: Stainless steel<br/>                     EN 1.4401<br/>                     AISI 316<br/>           Bearing: SIC</p> <p><b>Installation:</b><br/>           Maximum ambient temperature: 60 °C<br/>           Maximum operating pressure: 25 bar<br/>           Max pressure at stated temp: 25 bar / 120 °C<br/>                                                     25 bar / -20 °C<br/>           Type of connection: PJE<br/>           Size of inlet connection: DN 50<br/>                                                     2 inch<br/>           Size of outlet connection: DN 50</p> |

| Position | Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |      | <p>2 inch</p> <p>Pressure rating for pipe connection: PN 50</p> <p>Flange size for motor: FF265</p> <p><b>Electrical data:</b></p> <p>Motor standard: IEC</p> <p>Motor type: 132SC</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 5.5 kW</p> <p>Power (P2) required by pump: 5.5 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-415D V</p> <p>Rated current: 11 A</p> <p>Starting current: 1080-1180 %</p> <p>Cos phi - power factor: 0,87-0,82</p> <p>Rated speed: 2920-2940 rpm</p> <p>Efficiency: IE3 89,2%</p> <p>Motor efficiency at full load: 89.2 %</p> <p>Motor efficiency at 3/4 load: 90.0 %</p> <p>Motor efficiency at 1/2 load: 89.6 %</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><b>Others:</b></p> <p>Minimum efficiency index, MEI <math>\geq</math>: 0.70</p> <p>Net weight: 92 kg</p> <p>Gross weight: 114 kg</p> <p>Shipping volume: 0.321 m<sup>3</sup></p> <p>Danish VVS No.: 385913160</p> |

96501284 CRN 10-16 50 Hz

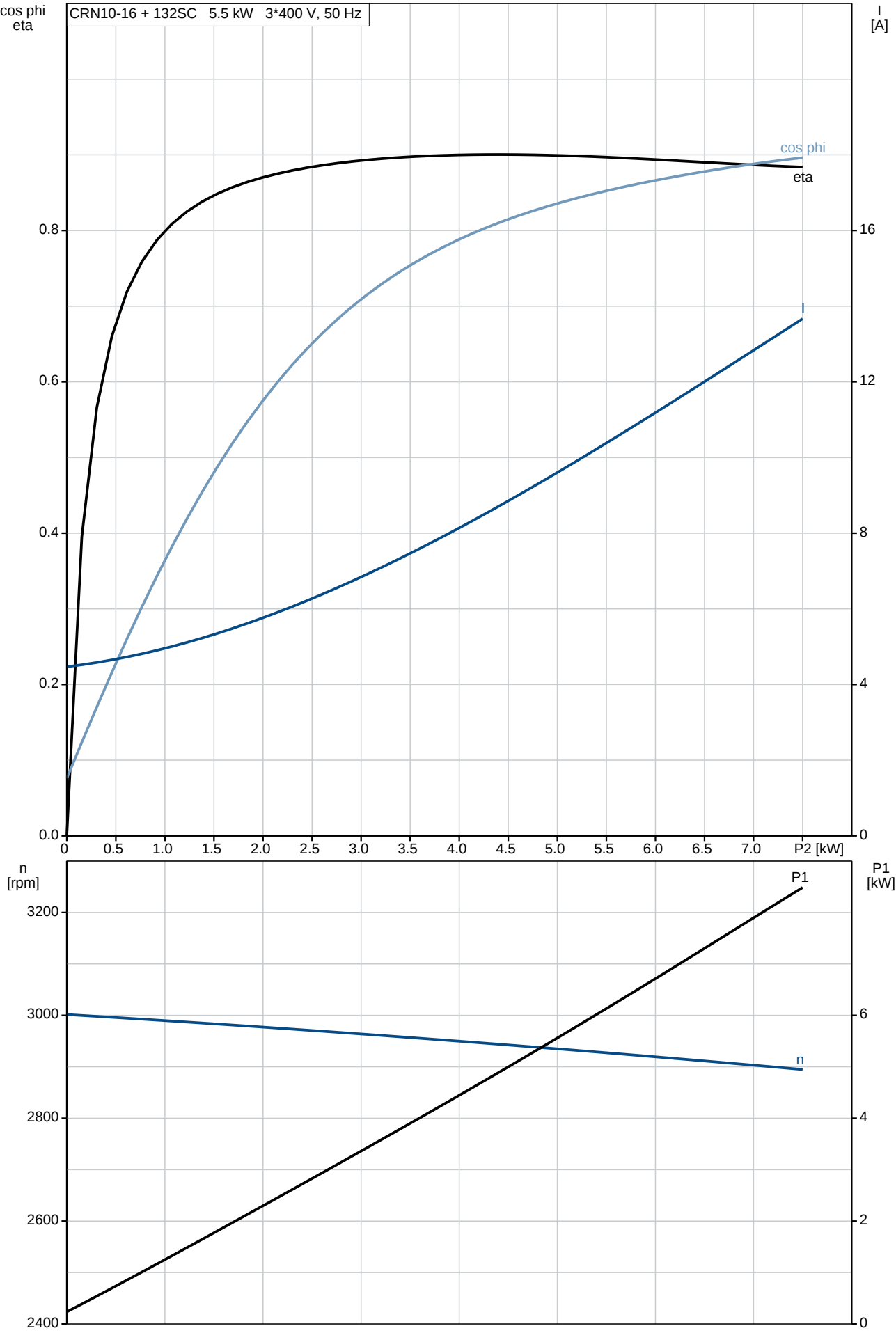


| Description                          | Value                  |
|--------------------------------------|------------------------|
| <b>General information:</b>          |                        |
| Product name:                        | CRN 10-16 A-P-G-E-HQQE |
| Product No:                          | 96501284               |
| EAN number:                          | 5700396219035          |
| <b>Technical:</b>                    |                        |
| Speed for pump data:                 | 2919 rpm               |
| Rated flow:                          | 10 m³/h                |
| Rated head:                          | 129.4 m                |
| Stages:                              | 16                     |
| Impellers:                           | 16                     |
| Low NPSH:                            | N                      |
| Pump orientation:                    | Vertical               |
| Shaft seal arrangement:              | Single                 |
| Code for shaft seal:                 | HQQE                   |
| Approvals on nameplate:              | CE, EAC, ACS           |
| Curve tolerance:                     | ISO9906:2012 3B        |
| Pump version:                        | A                      |
| Model:                               | A                      |
| <b>Materials:</b>                    |                        |
| Base:                                | Stainless steel        |
|                                      | EN 1.4408              |
|                                      | AISI 316               |
| Impeller:                            | Stainless steel        |
|                                      | EN 1.4401              |
|                                      | AISI 316               |
| Material code:                       | G                      |
| Code for rubber:                     | E                      |
| Bearing:                             | SIC                    |
| <b>Installation:</b>                 |                        |
| Maximum ambient temperature:         | 60 °C                  |
| Maximum operating pressure:          | 25 bar                 |
| Max pressure at stated temp:         | 25 bar / 120 °C        |
|                                      | 25 bar / -20 °C        |
| Type of connection:                  | PJE                    |
| Connect code:                        | P                      |
| Size of inlet connection:            | DN 50                  |
|                                      | 2 inch                 |
| Size of outlet connection:           | DN 50                  |
|                                      | 2 inch                 |
| Pressure rating for pipe connection: | PN 50                  |
| Flange size for motor:               | FF265                  |
| <b>Liquid:</b>                       |                        |
| Pumped liquid:                       | Water                  |
| Liquid temperature range:            | -20 .. 120 °C          |
| Liquid temperature during operation: | 20 °C                  |
| Density:                             | 998.2 kg/m³            |
| <b>Electrical data:</b>              |                        |
| Motor standard:                      | IEC                    |
| Motor type:                          | 132SC                  |
| IE Efficiency class:                 | IE3                    |
| Rated power - P2:                    | 5.5 kW                 |
| Power (P2) required by pump:         | 5.5 kW                 |
| Mains frequency:                     | 50 Hz                  |
| Rated voltage:                       | 3 x 380-415D V         |
| Rated current:                       | 11 A                   |
| Starting current:                    | 1080-1180 %            |
| Cos phi - power factor:              | 0,87-0,82              |
| Rated speed:                         | 2920-2940 rpm          |
| Efficiency:                          | IE3 89,2%              |
| Motor efficiency at full load:       | 89.2 %                 |
| Motor efficiency at 3/4 load:        | 90.0 %                 |
| Motor efficiency at 1/2 load:        | 89.6 %                 |
| Number of poles:                     | 2                      |
| Enclosure class (IEC 34-5):          | 55 Dust/Jetting        |

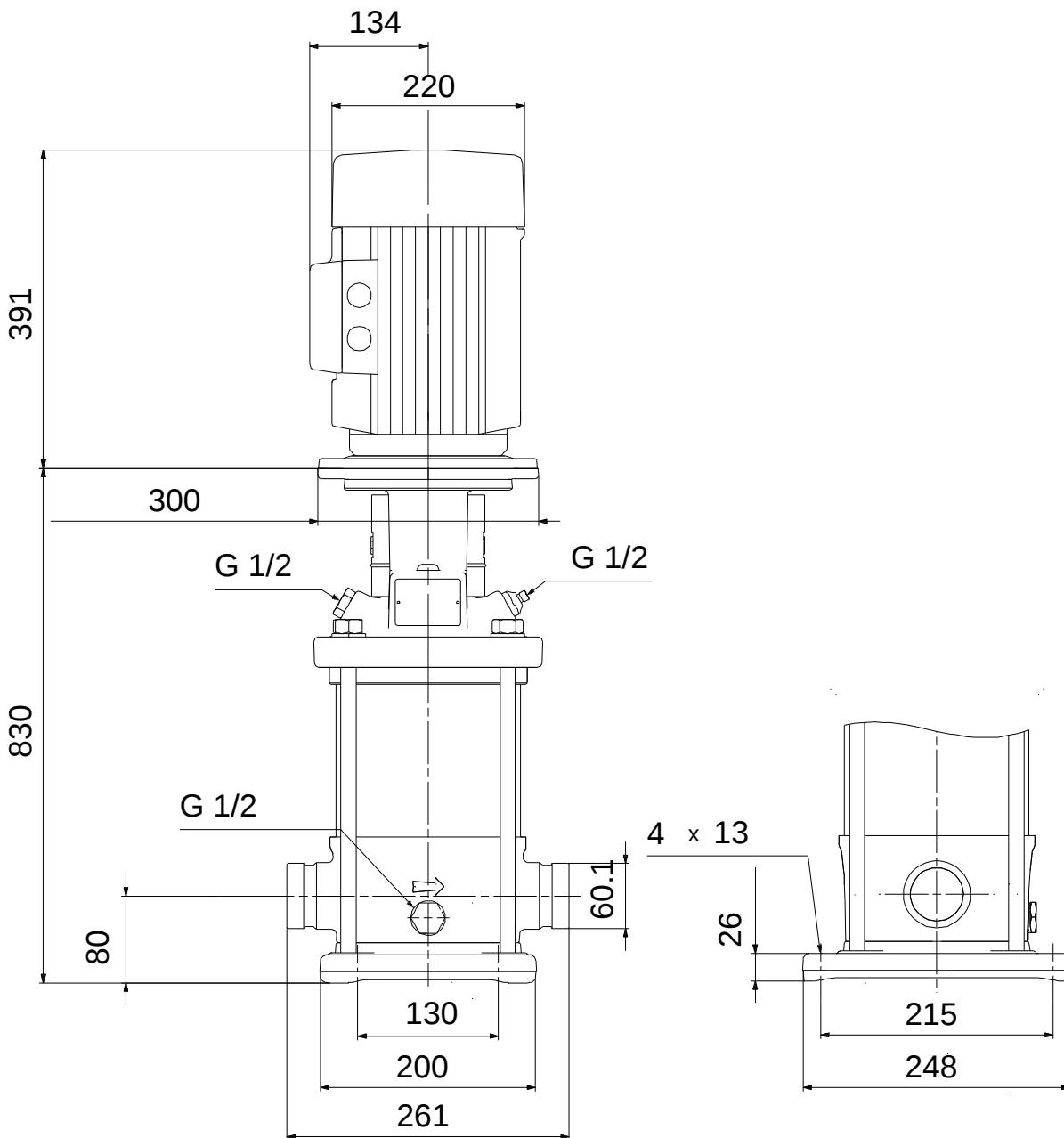


| Description                      | Value                |
|----------------------------------|----------------------|
| Insulation class (IEC 85):       | F                    |
| Motor protec:                    | PTC                  |
| Motor No:                        | 85U17417             |
| <b>Controls:</b>                 |                      |
| Frequency converter:             | NONE                 |
| <b>Others:</b>                   |                      |
| Minimum efficiency index, MEI ≥: | 0.70                 |
| Net weight:                      | 92 kg                |
| Gross weight:                    | 114 kg               |
| Shipping volume:                 | 0.321 m <sup>3</sup> |
| Danish VVS No.:                  | 385913160            |

96501284 CRN 10-16 50 Hz



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



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

*Disclaimer: The information about the Grundfos pump in this document may be outdated.  
Data may be subject to alterations without further notice.  
Please contact us to verify the data above is still accurate/up-to-date.*

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