

| Count | Description |
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1 CRE 3-6 B-B-A-E-HQQE



Product photo could vary from the actual product

Product No.: [99392529](#)

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. Pipe connection is via oval flanges with internal NPT threads.

The pump is fitted with a 3-phase, fan-cooled, permanent-magnet, synchronous motor.

The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.

The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. The operating panel on the motor terminal box features a four-inch TFT display, push-buttons and the Grundfos Eye indicator.

The display gives an intuitive and user-friendly interface to all functions.

The push-buttons are used to navigate through the menu structure to access pump and performance data on site and enable setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop".

Communication with the pump is also possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

The Grundfos Eye indicator on the operating panel provides visual indication of pump status:

- "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights)
- "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently yellow indicator lights)
- "Alarm": Motor has stopped (flashing red indicator lights).

The terminal box has a number of inputs and outputs enabling the motor to be used in advanced applications where many inputs and outputs are required:

- two dedicated digital inputs
- three analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V
- 5 V voltage supply to potentiometer and sensor
- one analog output, 0-10 V, 0(4)-20 mA
- two configurable digital inputs or open-collector outputs
- two Pt100/Pt1000 inputs
- LiqTec, dry-running protection sensor input
- Grundfos Digital Sensor input and output
- 24 V voltage supply for sensors
- two signal-relay outputs (potential-free contacts)
- GENIbus connection
- interface for Grundfos CIM fieldbus module.

Liquid:

Pumped liquid: Water

Liquid temperature range: -4 .. 248 °F

Selected liquid temperature: 68 °F

Density: 62.29 lb/ft³

Technical:



Company name:

Created by:

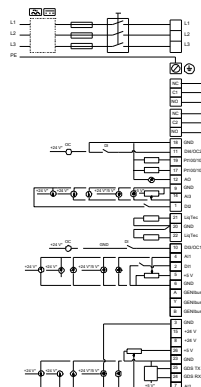
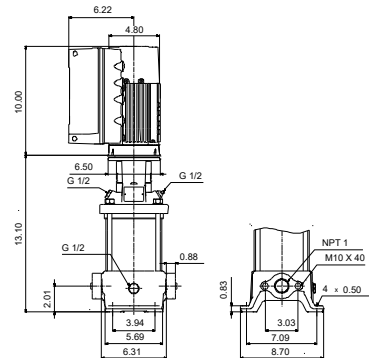
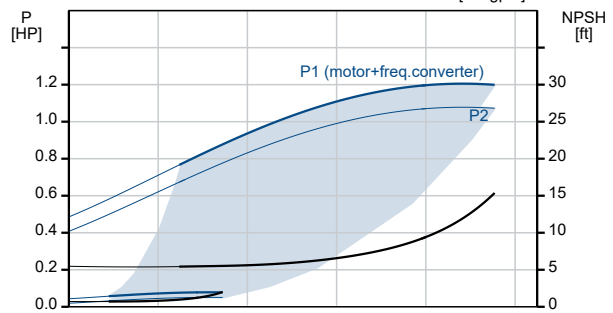
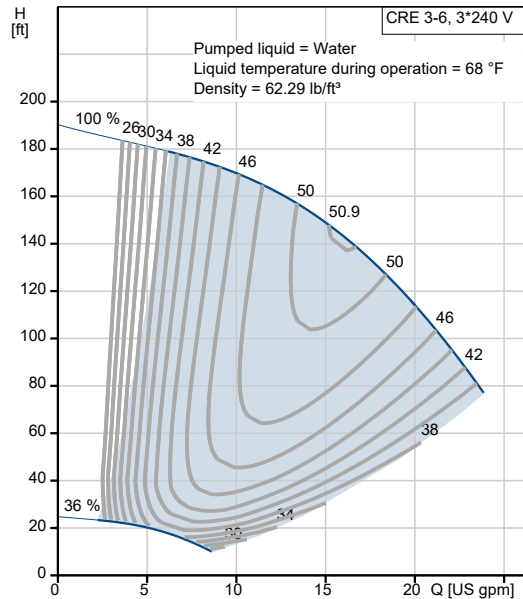
Phone:

Date:

2/17/2022

| Count | Description |
|-------|---|
| | <p>Rated pump speed: 3484 rpm Rated flow: 15.4 US gpm Rated head: 137.5 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals: CURUS Approvals for drinking water: NSF/ANSI 61 Curve tolerance: ISO9906:2012 3B</p> <p>Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B</p> <p>Impeller: Stainless steel EN 1.4301 AISI 304</p> <p>Bearing: SIC</p> <p>Installation: t max amb: 104 °F Maximum operating pressure: 232.06 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F</p> <p>Type of connection: Oval / NPT(F) Size of suction port: 1 inch Size of outlet port: 1 inch Pressure rating for connection: PN 16 Flange size for motor: 56C</p> <p>Electrical data: Motor standard: NEMA Motor type: 80B IE Efficiency class: IE5 Rated power - P2: 1.5 HP Power (P2) required by pump: 1.5 HP Main frequency: 60 Hz Rated voltage: 3 x 200-240 V Service factor: 1.15 Rated current: 4.10-3.50 A Cos phi - power factor: 0.91 Rated speed: 360-4000 rpm IE efficiency: 89.3% Motor efficiency at full load: 89.3 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor Number: 99301705</p> <p>Controls: Frequency converter: Built-in Pressure sensor: N</p> <p>Others: Net weight: 60.4 lb Gross weight: 144 lb Shipping volume: 4.94 ft³ Country of origin: US Custom tariff no.: 8413.70.2040</p> |

| Description | Value |
|---------------------------------------|----------------------|
| General information: | |
| Product name: | CRE 3-6 B-B-A-E-HQQE |
| Product No.: | 99392529 |
| EAN: | 5713828377081 |
| Technical: | |
| Rated pump speed: | 3484 rpm |
| Rated flow: | 15.4 US gpm |
| Rated head: | 137.5 ft |
| Maximum head: | 187 ft |
| Stages: | 6 |
| Impellers: | 6 |
| Number of reduced-diameter impellers: | 0 |
| Low NPSH: | N |
| Pump orientation: | Vertical |
| Shaft seal arrangement: | Single |
| Code for shaft seal: | HQQE |
| Approvals: | CURUS |
| Approvals for drinking water: | NSF/ANSI 61 |
| Curve tolerance: | ISO9906:2012 3B |
| Pump version: | B |
| Model: | A |
| Materials: | |
| 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 |
| Installation: | |
| t max amb: | 104 °F |
| Maximum operating pressure: | 232.06 psi |
| Max pressure at stated temperature: | 232 psi / 250 °F |
| Max pressure at stated temperature: | 232 psi / -4 °F |
| Type of connection: | Oval / NPT(F) |
| Size of suction port: | 1 inch |
| Size of outlet port: | 1 inch |
| Pressure rating for connection: | PN 16 |
| Flange size for motor: | 56C |
| Connect code: | B |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | -4 .. 248 °F |
| Selected liquid temperature: | 68 °F |
| Density: | 62.29 lb/ft³ |
| Electrical data: | |
| Motor standard: | NEMA |
| Motor type: | 80B |
| IE Efficiency class: | IE5 |
| Rated power - P2: | 1.5 HP |
| Power (P2) required by pump: | 1.5 HP |
| Main frequency: | 60 Hz |
| Rated voltage: | 3 x 200-240 V |
| Service factor: | 1.15 |
| Rated current: | 4.10-3.50 A |
| Cos phi - power factor: | 0.91 |





Company name:

Created by:

Phone:

Date:

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| Description | Value |
|--------------------------------|----------------------|
| Rated speed: | 360-4000 rpm |
| IE efficiency: | 89.3% |
| Motor efficiency at full load: | 89.3 % |
| Enclosure class (IEC 34-5): | IP55 |
| Insulation class (IEC 85): | F |
| Built-in motor protection: | ELEC |
| Motor Number: | 99301705 |
| Controls: | |
| Control panel: | Graphical |
| Function Module: | FM300 - Advanced |
| Frequency converter: | Built-in |
| Pressure sensor: | N |
| Others: | |
| Net weight: | 60.4 lb |
| Gross weight: | 144 lb |
| Shipping volume: | 4.94 ft ³ |
| Config. file no: | 99304144 |
| Country of origin: | US |
| Custom tariff no.: | 8413.70.2040 |