

Qty.	Description
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1	CRE 20-1 N-B-A-E-HQQE
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Note! Product picture may differ from actual product

Product No.: [99392190](#)

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".

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).

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".

#### Liquid:

Pumped liquid:	Water
Liquid temperature range:	-4 .. 248 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³

#### Technical:

Pump speed on which pump data are based:	3520 rpm
Rated flow:	88 US GPM
Rated head:	55.33 ft
Actual impeller diameter:	4.13 in
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Primary shaft seal:	HQQE
Code for shaft seal:	HQQE
Approvals:	CE,CURUS
Approvals for drinking water:	NSF/ANSI 61
Curve tolerance:	ISO9906:2012 3B

#### Materials:

Base:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B
Impeller:	Stainless steel EN 1.4301 AISI 304
Bearing:	SIC

#### Installation:

Maximum ambient temperature:	104 °F
Maximum operating pressure:	145.04 psi
Max pressure at stated temp:	145 psi / 250 °F



Company name:  
Created by:  
Phone:

Date:10/09/2025

Qty.	Description
1	<div><div>145 psi / -4 °F</div><div>Type of connection:Oval / NPT(F)</div><div>Size of inlet connection:2 inch</div><div>Size of outlet connection:2 inch</div><div>Pressure rating for connection:PN 10</div><div>Flange size for motor:182TC</div><div>Electrical data:</div><div>Motor standard:NEMA</div><div>Motor type:100A</div><div>Rated power - P2:3 HP</div><div>Power (P2) required by pump:3 HP</div><div>Over/undersize motor:Standard motor size</div><div>Mains frequency:60 Hz</div><div>Rated voltage:3 x 200-240 V</div><div>Service factor:1.15</div><div>Rated current:7.90-6.60 A</div><div>Cos phi - power factor:0.94</div><div>Rated speed:360-4000 rpm</div><div>IE Efficiency class:IE5</div><div>Motor efficiency at full load:88.5 %</div><div>Enclosure class (IEC 34-5):IP55</div><div>Insulation class (IEC 85):F</div><div>Motor No:93100023</div><div>Controls:</div><div>Frequency converter:Built-in</div><div>Pressure sensor:Y</div><div>Others:</div><div>Terminal box position:6</div><div>DOE Pump Energy Index VL:0.41</div><div>Net weight:130 lb</div><div>Gross weight:148 lb</div><div>Shipping volume:8.26 ft³</div></div>