

Date: 26/11/2019

Qty. | Description

1 CRNE 3-4 A-FGJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 98389890

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade 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 combined DIN-ANSI-JIS flanges.

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.

An operating panel on the motor terminal box enables 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 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 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.

Further product details

An external sensor can be connected if controlled pump operation based on for example flow, differential pressure or temperature is required.



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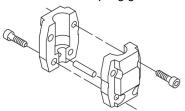
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An integral part of the process is a pretreatment. The entire process consists of these elements:

- 1) Alkaline-based cleaning.
- 2) Zinc phosphating.
- 3) Cathodic electro-deposition.
- 4) Curing to a dry film thickness 18-22 my m.

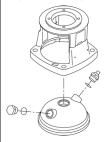
The colour code for the finished product is NCS 9000/RAL 9005.

Pump

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.



The pump head and flange for motor mounting is made in one piece (cast iron). The pump head cover is a separate component (stainless steel). The pump head has a combined 1/2" priming plug and vent screw.



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. 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.

Primary seal:

- Rotating seal ring material: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

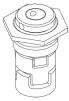
This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

Secondary seal material: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.



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The shaft seal is screwed into the pump head.

The pump has a special air-cooled shaft-seal chamber generating the same insulation effect as that of a vacuum flask. No external cooling is necessary; the ambient temperature is sufficient. An automatic vent vents the pump seal chamber.

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.

The pump has a stainless-steel base mounted on a seperate base plate. This base and base plate are kept in position by the tension of the staybolts which hold the pump together. 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. The flanges and base are cast in one piece and prepared for connection by means of DIN, ANSI or JIS.

Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.

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

The motor requires no external motor protection. The motor control unit incorporates protection against slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

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.

Technical data

Controls:

Frequency converter: Built-in Pressure sensor: No

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 120 °C
Selected liquid temperature: 20 °C

Density at selected liquid temperature: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 3447 rpm

Rated flow: 3.5 m³/h



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Qty. **Description**

Rated head: 27.6 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: **HQQE**

Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B

Materials:

Stainless steel Base:

> EN 1.4408 **AISI 316**

Impeller: Stainless steel

EN 1.4401 **AISI 316**

Bearing: SIC

Installation:

Maximum ambient temperature: 50 °C Maximum operating pressure: 25 bar

Max pressure at stated temp: 25 bar / 120 °C

25 bar / -20 °C

Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb

Flange size for motor: FT85

Electrical data:

Motor standard: **IEC** Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz

Rated voltage: 3 x 380-500 V Rated current: 1.35-1.30 A Cos phi - power factor: 0.77-0.61 Rated speed: 360-4000 rpm

Efficiency: 85.9% Motor efficiency at full load: 85.9 % IP55 Enclosure class (IEC 34-5): Insulation class (IEC 85): F

Motor No: 98248297

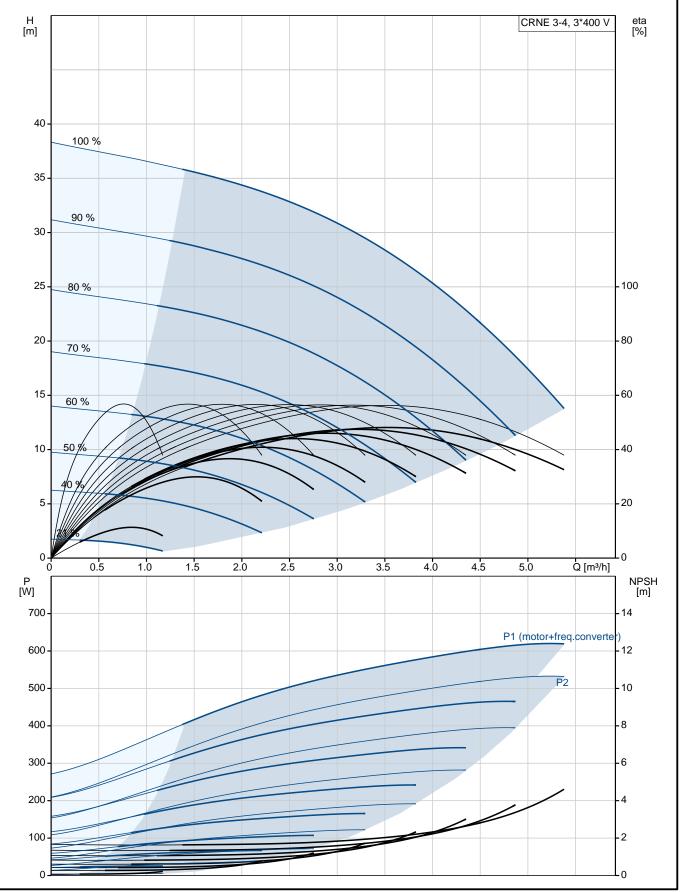
Others:

Minimum efficiency index, MEI: 0.70 Net weight: 25.6 kg Gross weight: 28.5 kg Shipping volume: 0.143 m³ Country of origin: GB Custom tariff no.: 84137075



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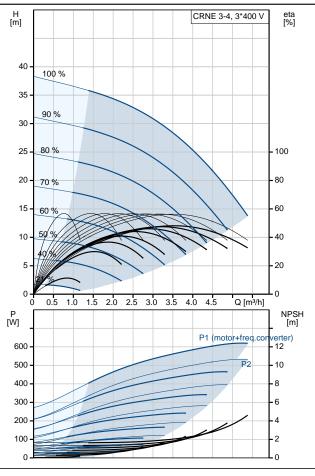
98389890 CRNE 3-4 A-FGJ-A-E-HQQE 50 Hz

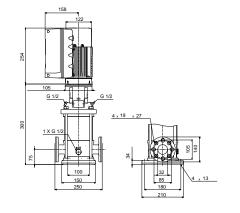


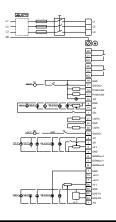


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Product name:	General information: CRNE 3-4	Description	Value
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Product No: 98389890 EAN number: 5711494186181 Price: 1.673,00 GBP Technical: Pump speed on which pump data are based: 3447 rpm Rated flow: 3.5 m³/h Rated flow: 3.5 m³/h Rated head: 27.6 m Head max: 37.9 m Stages: 4 Impellers: 4 Number of reduced-diameter impellers: 0 Low NPSH: No 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 Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: Maximum ambient temperature: 25 bar / 120 °C Maximum operating pressure: 25 bar / 20 °C Type of connection: DIN 26/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: F138 Connect code: FGJ Liquid: Water Liquid temperature: 20 °C Density at selected liquid temp	Product No: 98389890 EAN number: 5711494186181 Price: 1.673,00 GBP Technical: Pump speed on which pump data are based: 3447 rpm Rated flow: 3.5 m³/h Rated flow: 3.5 m³/h Rated head: 27.6 m Head max: 37.9 m Stages: 4 Impellers: 4 Number of reduced-diameter impellers: 0 Low NPSH: No 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 Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: Maximum ambient temperature: 50 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / -20 °C Type of connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: GPG Liquid: Water Liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: One Walains frequency: 50 Hz		CRNF 3-4
EAN number: 5711494186181 Price: 1.673,00 GBP Technical: Pump speed on which pump data are based: 3447 rpm Rated flow: 3.5 m³/h Rated flow: 3.5 m³/h Rated head: 27.6 m Head max: 37.9 m Stages: 4 Impellers: 4 Impellers: 4 Impellers: No 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 Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Impeller: EBearing: SIC Installation: Basing: SIC Maximum ambient temperature: 50 °C Maximum operating pressure: 25 bar / 120 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: PG Liquid: Water Liquid temperature: 20 °C Density at selected liquid temperature: 2	EAN number: 5711494186181 Price: 1.673,00 GBP Technical: Pump speed on which pump data are based: 3447 rpm Rated flow: 3.5 m³/h Rated flow: 37.9 m Head max: 37.9 m Head max: 37.9 m Stages: 4 Impellers: 4 Impellers: No 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 Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Impeller: Bearing: SIC Installation: Maximum ambient temperature: 25 bar Max pressure at stated temp: 25 bar / 120 °C Maximum operating pressure: 25 bar Max pressure at stated temp: PN 25 Size of outlet connection: DN 25/32 Size of outlet connection: DN 25/32 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumpel iquid: Water Liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor type: 71A Its Efficiency class: IE5 Rated power - P2: One CE Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	Product name:	
S711494186181 Price:	S711494186181 Price:	Product No:	98389890
Price:	Price: 1.673,00 GBP Technical: 3447 rpm Pump speed on which pump data are based: 3.5 m³/h Rated flow: 3.5 m³/h Rated head: 27.6 m Head max: 37.9 m Stages: 4 Impellers: 4 No Purporientation: Low NPSH: No 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 Materials: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4408 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: Installation: Maximum ambient temperature: 25 bar / 120 °C Maximum operating pressure: 25 b	EAN number:	5711494186181
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Head max: 37.9 m	Head max: 37.9 m	Rated flow:	3.5 m³/h
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Number of reduced-diameter impellers: 0 Low NPSH: No 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 Materials: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: SIC Maximum ambient temperature: 50 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code:	Number of reduced-diameter impellers: Low NPSH: No Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: CUrve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Impeller: EN 1.4401 AISI 316 Material code: Code for rubber: Bearing: SIC Installation: Maximum ambient temperature: Max pressure at stated temp: Size of inlet connection: Size of inlet connection: DN 25/32 Size of outlet connection: Pressure rating for pipe connection: Prass Flange rating inlet: Size of content or: Flange size for motor: Flange size for motor: Frass Connect code: Liquid: Pumped liquid: Liquid temperature: 20 °C Selected liquid temperature: 20 °C Selectical data: Motor standard: EE Efficiency class: Ele5 Rated power - P2: Power (P2) required by pump: O.55 kW Mains frequency: Solation: Single Cach, ACS Single HQQE Single AA A A A A A A A A A A A A A A A A A A	Stages:	4
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Bearing: SIC Installation: Maximum ambient temperature: 50 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Bearing: SIC		• •
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Maximum ambient temperature: 50 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Maximum ambient temperature: 50 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Mains frequency: 50 Hz		010
Maximum operating pressure: Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: PN 25 Flange rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: DIN / ANSI / JIS 25 bar / 120 °C DIN / ANSI / JIS Size of outlet connection: DN 25/32 PN 25 FN 25 FN 25 FN 25 EN 2	Maximum operating pressure: Max pressure at stated temp: 25 bar / 120 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: PN 25 Flange rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: 25 bar 25 bar / 120 °C DIN / ANSI / JIS Size of outlet connection: DN 25/32 PN 25 FN 25 FN 25 FN 25 SO IB Mains frequency: SO IB		50 °C
Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: PN 25/32 Pressure rating for pipe connection: Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Uvater Liquid temperature range: -20 120 °C Selected liquid temperature: Density at selected liquid temperature: Piectrical data: Motor standard: Motor type: T1A IE Efficiency class: Rated power - P2: Power (P2) required by pump: DIN / ANSI / 120 °C UN 25/32 DN 25/32 PN 25 EBC TRAS TRAS TRAS TES TAA TES TES	Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: PN 25/32 Pressure rating for pipe connection: Flange rating inlet: Gonnect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Celected liquid temperature: Density at selected liquid temperature: Density at selected liquid temperature: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: DIN / ANSI / 120 °C DIN / ANSI / JIS Water LV Water L	•	
Type of connection: Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: PN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: Pumped liquid: Liquid temperature: 100 °C Selected liquid temperature: 110 °C Selected liquid temperature: 111 Selectrical data: Motor standard: Motor standard: Motor type: T1A IE Efficiency class: Rated power - P2: D.55 kW Power (P2) required by pump: DN 25/32 DN 25/32 DN 25/32 DN 25/32 PN 25 Selected liquid l	Type of connection: Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: PN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: Pumped liquid: Liquid temperature: 10 °C Selected liquid temperature: 11 Electrical data: Motor standard: Motor type: T1A IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: 50 Hz		
Type of connection: Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: -20 120 °C Selected liquid temperature: Density at selected liquid temperature: Plectrical data: Motor standard: Motor type: FEC Rated power - P2: Power (P2) required by pump: DN 25/32 DN 25/32 DN 25/32 DN 25/32 PN 25 SOU BN 25/32 PN 25 SOU BN 25/32 PN 25/32 PN 25 FT85 SOU BN 25 FGJ Liquid: Page 4 Source	Type of connection: Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT85 Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Pumped liquid: Selectrical data: Motor standard: Motor type: FEC Rated power - P2: Power (P2) required by pump: DN 25/32 DN 25/32 DN 25/32 DN 25/32 DN 25/32 PN 25 Source PT85 CONDED SOURCE POS 20 120 °C Selected liquid temperature: 998.2 kg/m³ EEC Motor type: 71A IE Efficiency class: Rated power - P2: O.55 kW Mains frequency: 50 Hz		
Size of inlet connection: Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: Flange size for motor: Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: Fasted power - P2: Possign fine to nection: DN 25/32 No 25/32 No 25/32 No 25/32 PN 25 Selected lipuid lipuid: Water Liquid temperature: 20 °C Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Size of inlet connection: Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: Flange size for motor: Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: FES Rated power - P2: Posside in inlet connection: DN 25/32 NN 25/32 No 25/32 No 25/32 PN	Type of connection:	
Pressure rating for pipe connection: Flange rating inlet: Flange size for motor: Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: FGJ Water Liquid temperature: 20 °C Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Pressure rating for pipe connection: Flange rating inlet: Flange size for motor: Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: FEC Rated power - P2: Power (P2) required by pump: Solution: Solution: PN 25 Water FT85 Connect code: FGJ Water Liquid: Water Log °C Selected liquid temperature: 998.2 kg/m³ EEC 71A IEC Notor type: 71A IE Efficiency class: Rated power - P2: 0.55 kW Mains frequency: 50 Hz		DN 25/32
Flange rating inlet: Flange size for motor: Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: FEC Rated power - P2: Possize for motor: FGJ Water -20 120 °C 20 °C 998.2 kg/m³ EIEC Motor standard: IEC Motor type: 71A IE Efficiency class: Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Flange rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: Fleticiency class: Rated power - P2: Power (P2) required by pump: SFIRE FIRE STANDARD STANDARD FIRE FIRE STANDARD FIRE STANDARD FIRE STANDARD FIRE STANDARD FOR JUMPS FOR JUM	Size of outlet connection:	DN 25/32
Flange rating inlet: Flange size for motor: Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: FEC Rated power - P2: Possize for motor: FGJ Water -20 120 °C 20 °C 998.2 kg/m³ EIEC Motor standard: IEC Motor type: 71A IE Efficiency class: Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Flange rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: Fleticiency class: Rated power - P2: Power (P2) required by pump: SFIRE FIRE STANDARD STANDARD FIRE FIRE STANDARD FIRE STANDARD FIRE STANDARD FIRE STANDARD FOR JUMPS FOR JUM	Pressure rating for pipe connection:	PN 25
Connect code: FGJ Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Connect code: FGJ Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	- 1 1	300 lb
Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: Motor type: T1A IE Efficiency class: Rated power - P2: Density at selected liquid temperature: UEC Motor type: T1A IE 5 Rated power - P2: Density at selected liquid temperature: Uiquid temperature:	Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: Motor type: T1A IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Water 920 °C 98.2 kg/m³ IEC 998.2 kg/m³ IEC 998.2 kg/m³ IEC 998.2 kg/m³ O.55 kW T1A IE Selficiency class: IE5 Rated power - P2: O.55 kW Mains frequency: 50 Hz	Flange size for motor:	FT85
Pumped liquid: Water Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Pumped liquid: Water Liquid temperature range: -20 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	Connect code:	FGJ
Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Plectrical data: Motor standard: Motor type: The Efficiency class: Rated power - P2: Power (P2) required by pump: -20 120 °C 20 °C 998.2 kg/m³ IEC 998.2 kg/m³ IEC 71A IE E 0.55 kW	Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Electrical data: Motor standard: Motor type: T1A IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: -20 120 °C 20 °C 998.2 kg/m³ IEC 71A IEC 0.55 kW 90.55 kW	Liquid:	
Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	Pumped liquid:	Water
Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	Liquid temperature range:	-20 120 °C
Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	Selected liquid temperature:	20 °C
Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Motor standard: IEC Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz		998.2 kg/m³
Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Motor type: 71A IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	Electrical data:	
IE Efficiency class: IE5 Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: D.55 kW 50 Hz	Motor standard:	IEC
Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW	Rated power - P2: 0.55 kW Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz	• •	71A
Power (P2) required by pump: 0.55 kW	Power (P2) required by pump: 0.55 kW Mains frequency: 50 Hz		IE5
	Mains frequency: 50 Hz		0.55 kW
Mains fraguency			0.55 kW
	Rated voltage: 3 x 380-500 V		
Rated voltage: 3 x 380-500 V		Rated voltage:	3 x 380-500 V









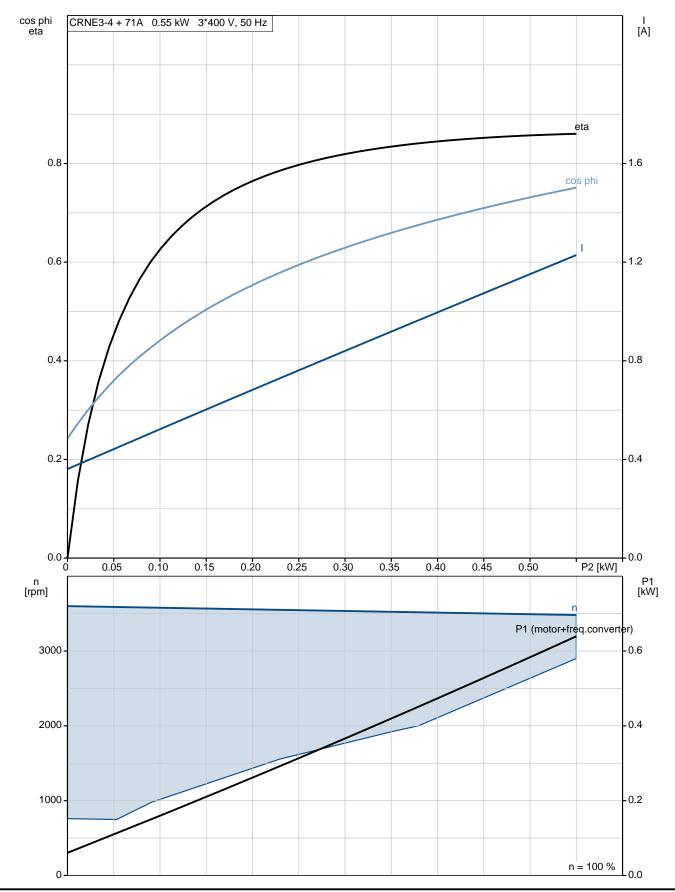
Date: 26/11/2019

Description	Value
Rated current:	1.35-1.30 A
Cos phi - power factor:	0.77-0.61
Rated speed:	360-4000 rpm
Efficiency:	85.9%
Motor efficiency at full load:	85.9 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	YES
Motor No:	98248297
Controls:	
Control panel:	Standard
Function Module:	FM300 - Advanced
Frequency converter:	Built-in
Pressure sensor:	No
Others:	
Minimum efficiency index, MEI:	0.70
Net weight:	25.6 kg
Gross weight:	28.5 kg
Shipping volume:	0.143 m³
Country of origin:	GB
Custom tariff no.:	84137075



Date: 26/11/2019

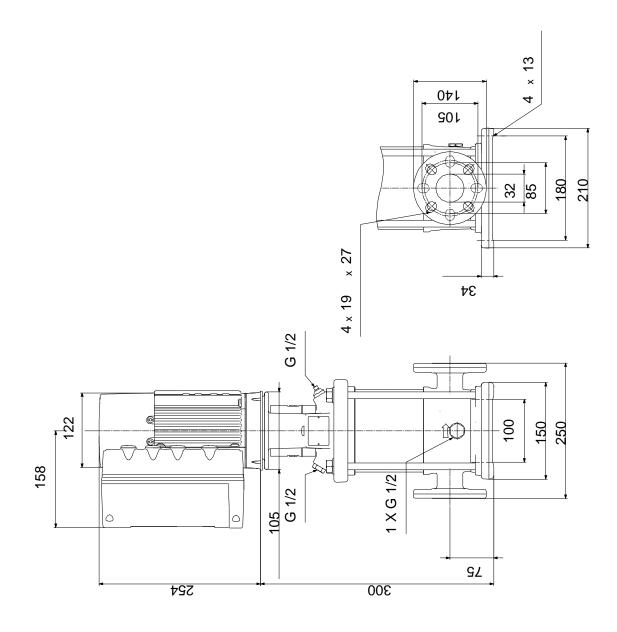
98389890 CRNE 3-4 A-FGJ-A-E-HQQE 50 Hz





Date: 26/11/2019

98389890 CRNE 3-4 A-FGJ-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.