

Date:

14/02/2022

Qty. Description

1 CRE 95-1 N-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 99264416

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. The Grundfos 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 DIN flanges.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

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 operating panel has indicator lights for "Operation" and "Fault".

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 holds terminals for these connections:

- pump start/stop input (potential-free contact)
- remote setpoint setting via analog signal, 0-10 V, 0(4)-20 mA
- 10 V voltage supply for setpoint potentiometer, Imax = 5 mA
- three analog sensor inputs, 0-10 V, 0(4)-20 mA; the factory-fitted pressure sensor is connected to one of these inputs
- 24 V voltage supply for sensor, Imax = 40 mA
- one analog output
- three digital inputs
- two Pt100 inputs
- two potential-free fault signal relays with changeover contact, reporting "Fault", "Operation" or "Ready"
- RS-485 GENIbus connection
- interface for Grundfos CIM fieldbus module.

Further product details

The pump is equipped with a pressure sensor registering pump outlet pressure and enabling controlled pump operation based on constant pressure.

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 operating panel has indicator lights for "Operation" and "Fault".

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".

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.

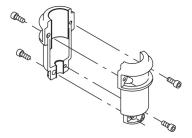
Pump

A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



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The motor stool connects the pump head and motor. 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)

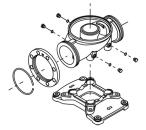
EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.



The shaft seal is screwed into the pump head.

The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PEEK neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency.

The base is made of cast iron and mounted on a separate cast-iron base plate. Both the inlet and the outlet side of the base have two pressure gauge tappings. The pump is secured to the foundation by four bolts through the base plate. The flanges are fastened to the base by means of locking rings.



Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with free-hole flange (FF).

Motor-mounting designation in accordance with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II).

Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.

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.

Technical data



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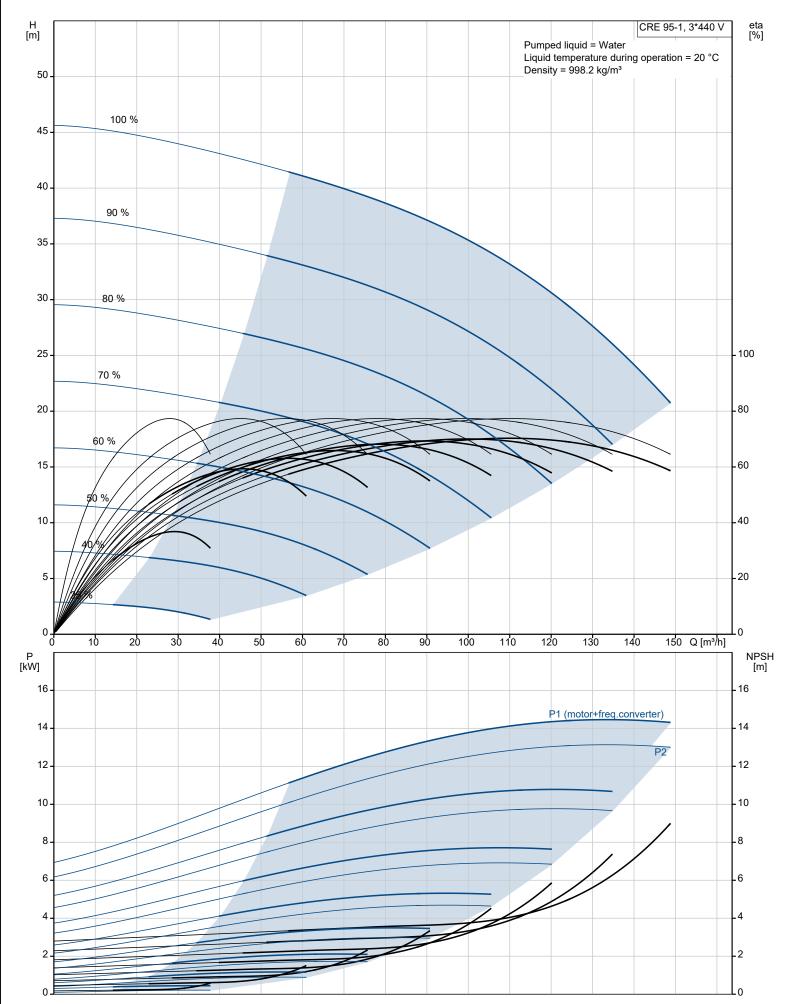
Qty. Description Liquid: Pumped liquid: Water Liquid temperature range: -20120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 3557 rpm Rated flow: 114 m³/h Rated flow: Account and the context an			
Pumped liquid:WaterLiquid temperature range:-20120 °CSelected liquid temperature:20 °CDensity:998.2 kg/m³Technical:Pump speed on which pump data are based:3557 rpmRated flow:114 m³/hRated head:32.5 mPump orientation:VerticalShaft seal arrangement:SingleCode for shaft seal:HQQEApprovals:CE_EAC_UKCAApprovals for drinking water:ACS_WRASCurve tolerance:ISO9006:2012 3BMaterials:Base:Base:Ductile cast ironEn 1453 64 65-45-12Impeller:Stall assisteelEN 14301AISI 304Bearing:WC/WCSupport bearing:GraftonMaterial certified according to:European standardsInstallation:Installation:tmax amb:40 °CMaximum operating pressure:16 bar / 120 °CType of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:DN 100Pressure rating for connection:DN 100Pressure rating for connection:DN 100Pressure rating for connection:N 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:Motor standard:Motor standard:IECMotor standard:IECMo	Qty.	Description	
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Liquid temperature range: 20 , 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m ³ Technical: Pump speed on which pump data are based: 3557 rpm Rated flow: 114 m ³ /h Rated head: 32.5 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals: CE,EAC,UKCA Approvals for drinking water: ACS,WRAS Curve tolerance: ISO9906:2012 3B Materials: Base: Ductile cast iron EN 1563 EN-GJS-500-7 ASTM A536-84 65-45-12 Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: WC/WC Support bearing: Grafton Material certified according to: European standards Installation: trax amb: 40 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of inlet connection: DN 100 Size of onlet connection: DN 100 Pressure rating for connection: PK 16 Flange size for motor: FF300 Electrical data: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 / 60 Hz Rated power f2: 91 50 / 840 V Rated current: 30.0-28.0 A Cos phi - power factor: 0.91 -0.86 Rated speed: 480-3540 rpm Efficiency at full load: 91.9 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 34-5): IP55 Insulation class (IEC 34-5): IP55 Insulation class (IEC 34-5): IP55 Insulation class (IEC 45-5): F Motor No: 85901025 Controls: Frequency converter: Built-in Pressure sensor: Y Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 233 kg Gross weight: 296 kg Shipping volume: 1.114 m ³ Danish VVS No:: 385949610		•	Water
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ASTM A536-84 65-45-12Impeller:Stainless steelEN 1.4301AISI 304Bearing:WC/WCSupport bearing:GraftonMaterial certified according to:European standardsInstallation:tt max amb:40 °CMaximum operating pressure:16 barMax pressure at stated temp:16 bar / 120 °CType of connection:DNSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:Motor standard:Motor standard:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWMains frequency:30 / 26.0 ACos phi - power factor:0.91-0.86Rated speed:480-3540 rpmEfficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 44-5):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:233 kgGross weight:233 kgGross weight:236 kgShipping volume:1.14 m³Danish VVS No.:385949610		Base:	
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EN 1.4301 AISI 304Bearing:WC/WCSupport bearing:GraflonMaterial certified according to:European standardsInstallation:40 °CMaximum operating pressure:16 barMax pressure at stated temp:16 bar / 120 °CType of connection:DN 100Size of outlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:Motor standard:Motor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:Frequency converter:Frequency converter:Built-inPressure sensor:YOthers:205 kgMinimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		lasses all and	
AISI 304Bearing:WC/WCSupport bearing:GraflonMaterial certified according to:European standardsInstallation:40 °Ct max amb:40 °CMaximum operating pressure:16 bar / 120 °CType of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:IECMotor standard:IECMotor type:16 0MDILE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower ficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 35):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		impeller:	
Bearing:WC/WCSupport bearing:GraflonMaterial certified according to:European standardsInstallation:40 °Ct max amb:40 °CMaximum operating pressure:16 bar / 120 °CType of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:IECMotor standard:IECMotor type:160MDIL Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 35):FMotor No:85901025Controls:Frequency converter:Pressure sensor:YOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
Support bearing:GrafionMaterial certified according to:European standardsInstallation: $40 ^{\circ}C$ Maximum operating pressure:16 barMax pressure at stated temp:16 bar / 120 $^{\circ}C$ Type of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:IECMotor standard:IECMotor standard:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91,9%Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 34-5):FMotor No:85901025Controls:Frequency converter:Pressure sensor:YOthers:0.70Minimum efficiency index, MEI \geq 0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Pooring:	
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t max amb: 40 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of inlet connection: DN 100 Size of outlet connection: DN 100 Pressure rating for connection: PN 16 Flange size for motor: FF300 Electrical data: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 / 60 Hz Rated voltage: 3 x 380-480 V Rated current: 30.0-26.0 A Cos phi - power factor: 0.91-0.86 Rated speed: 480-3540 rpm Efficiency: IE3 91,9% Motor efficiency at full load: 91.9 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 85901025 Controls: Frequency converter: Built-in Pressure sensor: Y Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 233 kg Gross weight: 296 kg Shipping volume: 1.14 m ³ Danish VVS No.: 385949610		Material certified according to.	
Maximum operating pressure:16 barMax pressure at stated temp:16 bar / 120 °CType of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:Motor standard:Motor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:859911025Controls:FFrequency converter:Built-inPressure sensor:YOthers:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Installation:	
Max pressure at stated temp:16 bar / 120 °CType of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:Motor standard:Motor standard:IECMotor standard:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			40 °C
Max pressure at stated temp:16 bar / 120 °CType of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:Motor standard:Motor standard:IECMotor standard:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Maximum operating pressure:	16 bar
Type of connection:DINSize of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:Motor standard:Motor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated current:30.0-26.0 ACos phi - power factor:0.91-0.86Rated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:Frequency converter:Frequency converter:Built-inPressure sensor:YOthers:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			16 bar / 120 °C
Size of inlet connection:DN 100Size of outlet connection:DN 100Pressure rating for connection:PN 16Flange size for motor:FF300Electrical data:IECMotor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated voltage:3 x 380-480 VRated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 34-5):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			DIN
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Flange size for motor:FF300Electrical data:Motor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated current:30.0-26.0 ACos phi - power factor:0.91-0.86Rated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:0.70Minimum efficiency index, MEI \geq :0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Size of outlet connection:	DN 100
Electrical data:IECMotor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated current:30.0-26.0 ACos phi - power factor:0.91-0.86Rated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Pressure rating for connection:	PN 16
Motor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated current:30.0-26.0 ACos phi - power factor:0.91-0.86Rated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:Frequency converter:Frequency converter:Built-inPressure sensor:YOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Flange size for motor:	FF300
Motor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated current:30.0-26.0 ACos phi - power factor:0.91-0.86Rated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:Frequency converter:Frequency converter:Built-inPressure sensor:YOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
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IE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 / 60 HzRated voltage:3 x 380-480 VRated current:30.0-26.0 ACos phi - power factor:0.91-0.86Rated speed:480-3540 rpmEfficiency:IE3 91,9%Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:FFrequency converter:Built-inPressure sensor:YOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
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Motor efficiency at full load:91.9 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:Frequency converter:Frequency converter:Built-inPressure sensor:YOthers:YMinimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		•	-
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Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No:85901025Controls:Frequency converter:Frequency converter:Built-inPressure sensor:YOthers:YMinimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
Insulation class (IEC 85):FMotor No:85901025Controls:Frequency converter:Frequency converter:Built-inPressure sensor:YOthers:YOthers:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
Motor No:85901025Controls: Frequency converter:Built-in Pressure sensor:Pressure sensor:YOthers: Minimum efficiency index, MEI ≥:0.70 Net weight:233 kg Gross weight:296 kg Shipping volume:1.14 m³ Danish VVS No.:385949610			
Frequency converter:Built-inPressure sensor:YOthers:YMinimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			85901025
Frequency converter:Built-inPressure sensor:YOthers:YMinimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
Pressure sensor:YOthers:Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
Others:Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610			
Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Pressure sensor:	Y
Minimum efficiency index, MEI ≥:0.70Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		Others:	
Net weight:233 kgGross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		-	0.70
Gross weight:296 kgShipping volume:1.14 m³Danish VVS No.:385949610		-	
Shipping volume:1.14 m³Danish VVS No.:385949610			
Danish VVS No.: 385949610			-



Date:

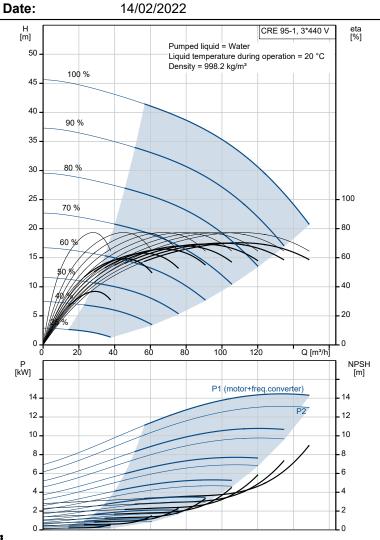
14/02/2022

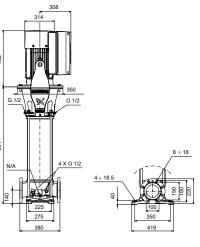
99264416 CRE 95-1 N-F-A-E-HQQE

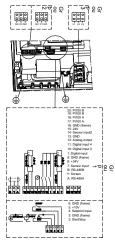




		Date:
Description	Value	H [m]
General information:	Faldo	50 -
Product name:	CRE 95-1 N-F-A-E-HQQE	
Product No:	99264416	45 - 100 %
EAN number:	5713826224134	_
Price:		40 -
Technical:		90 %
Pump speed on which pump data are based:	3557 rpm	35
Rated flow:	114 m³/h	
Rated head:	32.5 m	30 - 80 %
Maximum head:	45.7 m	
Impellers:	1	25 - 70 %
Number of reduced-diameter impellers:	0	20 -
Low NPSH:	Ν	60 %
Pump orientation:	Vertical	15
Shaft seal arrangement:	Single	50 %
Code for shaft seal:	HQQE	10
Approvals:	CE,EAC,UKCA	48
Approvals for drinking water:	ACS,WRAS	5-
Curve tolerance:	ISO9906:2012 3B	%
Pump version:	N	0 20
Model:	Α	P
Materials:		[kW]
Base:	Ductile cast iron	14 -
Base:	EN 1563 EN-GJS-500-7	
Base:	ASTM A536-84 65-45-12	12 -
Impeller:	Stainless steel	10 -
Impeller:	EN 1.4301	8-
Impeller:	AISI 304	6
Material code:	A	
Code for rubber:	E WC/WC	4-
Bearing: Support bearing:	Graflon	2-
Material certified according to:	European standards	
Installation:	Luiopean standards	- 1
t max amb:	40 °C	308
Maximum operating pressure:	16 bar	
Max pressure at stated temp:	16 bar / 120 °C	
Type of connection:	DIN	482
Size of inlet connection:	DN 100	
Size of outlet connection:	DN 100	350
Pressure rating for connection:	PN 16	G 1/2 G 1/2
Flange size for motor:	FF300	
Connect code:	F	
Liquid:		6
Pumped liquid:	Water	N/A 4 X G 1/2
Liquid temperature range:	-20 120 °C	
Selected liquid temperature:	20 °C	
Density:	998.2 kg/m³	225
Electrical data:		380
Motor standard:	IEC	
Motor type:	160MD	
IE Efficiency class:	IE3	
Rated power - P2:	15 kW	
Power (P2) required by pump:	15 kW	
Mains frequency:	50 / 60 Hz	
Rated voltage:	3 x 380-480 V	
Rated current:	30.0-26.0 A	
Cos phi - power factor:	0.91-0.86	20 Pt100 B 19 Pt100 B
Rated speed:	480-3540 rpm	12 P100 A 17 P100 A 16 GND (fu 15 24V
Efficiency:	IE3 91,9%	14: Sensori 13: GND 12: Analog o 11: Digital in
Motor efficiency at full load:	91.9 %	10. Digital in 11. Digital in 12. Digital in 13. Digital in 14. Digital in 15. Digital in 16. Digital in
Number of poles:	2	1
Enclosure class (IEC 34-5):	IP55	
Insulation class (IEC 85):	F	8. GND (fram
Built-in motor protection:	YES	4: Setpoint i 3: OND (fra 2: Startistop
Motor No:	85901025	









Date:

Description Value Controls: Function Module: ADVANCED I/O Frequency converter: Built-in Y Pressure sensor: Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 233 kg Gross weight: 296 kg Shipping volume: 1.14 m³ Config. file no: 95139528 Danish VVS No.: 385949610 Thrust handling device: Ν

14/02/2022

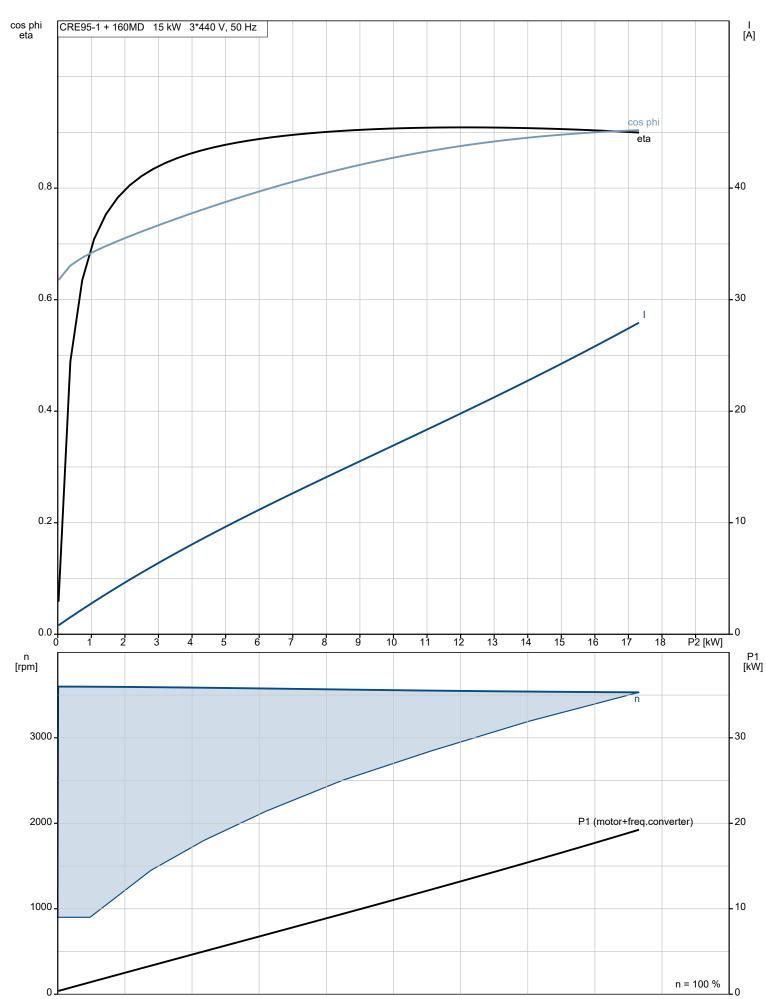


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Date:

14/02/2022

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