

Date: 16/06/2022

Qty. | Description

1 NKE 32-250/262 AA2F2AESBQQEOW1



Note! Product picture may differ from actual product

Product No.: On request

Non-self-priming, single-stage, centrifugal pump designed according to ISO 5199 with dimensions and rated performance according to EN 733. Flanges are PN 16 with dimensions according to EN 1092-2. The pump has an axial suction port, a radial discharge port and horizontal shaft. It is of the back pull-out design enabling removal of the coupling, bearing bracket and impeller without disturbing the motor, pump housing or pipework.

The unbalanced rubber bellows seal is according to DIN EN 12756.

The pump is fitted with a foot-mounted, fan-cooled asynchronous motor. Pump and motor are mounted on a common base frame.

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 external sensor can be connected if controlled pump operation is required for flow, differential pressure or temperature control.

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".

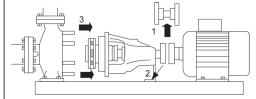
Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

Pump and motor are mounted on a common steel base frame in accordance with ISO 3661.

The back pull-out design together with a spacer coupling makes it possible to service the pump without dismantling the pump housing and motor from the base frame.

This saves realignment of pump and motor after service.

- 1) Remove coupling.
- 2) Remove the bolts in the bearing bracket support foot.
- 3) Remove the bearing bracket from the pump housing.



Pump

The pump housing has both a priming and a drain hole closed by plugs. The impeller is a closed impeller with double-curved blades with smooth surfaces. The impeller is statically balanced according to ISO 1940-1 class G6.3 and hydraulically balanced to compensate for axial thrust.

Wear rings used in pump housing and for impeller are made of bronze/brass.

The pump is fitted with an unbalanced rubber bellows seal with torque transmission across the spring and around the bellows. Due to the bellows, the seal does not wear the shaft, and the axial movement is not prevented by deposits on the shaft.

{IMG Filename: GRALON_NB-NK-G_SHAFTSEAL_Bxxx.gif }

Seal faces:

- · 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.



Date: 16/06/2022

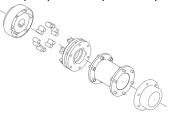
Qty. | Description

Secondary seal material: EPDM (ethylene-propylene rubber)

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

The shaft is made of stainless steel and has a diameter of 24 mm where the coupling is mounted.

The pump uses a spacer coupling between the pump and motor shaft.



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 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.

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
- one analog sensor input, 0-10 V, 0(4)-20 mA
- 24 V voltage supply for sensor, Imax = 40 mA
- one digital input
- 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

Cast-iron parts 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.

Technical data

Controls:

Frequency converter: Built-in Pressure sensor: N

Liquid:

Pumped liquid: Water
Liquid temperature range: -25 .. 120 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2940 rpm

Rated flow: 26.97 m³/h

Pump with motor (Yes/No): Y

Rated head: 79.24 m
Actual impeller diameter: 262 mm
Nominal impeller diameter: 250
Code for shaft seal: BQQE
Mechanical seal type: Single

Curve tolerance: ISO9906:2012 3B



Date: 16/06/2022

Qty. | Description

Bearing design: Standard

Materials:

Pump housing: Cast iron

EN-GJL-250

ASTM class 35

Wear ring: Brass
Impeller: Cast iron

EN-GJL-200 ASTM class 30

Internal pump house coating: CED

Shaft: Stainless steel

EN 1.4301 AISI 304

Installation:

Range of ambient temperature: -20 .. 40 °C
Maximum operating pressure: 16 bar
Pipe connection standard: EN 1092-2
Type of inlet connection: DIN
Type of outlet connection: DN 50
Size of outlet connection: DN 32

Pressure rating for connection: PN 16
Coupling type: PN 16
Flexible w/spacer

Base frame design: EN/ISO
Code for base frame: 6
Grouting (Yes/No): N

Electrical data:

160MD Motor type: IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 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

Motor No: 85901281

F

Insulation class (IEC 85):

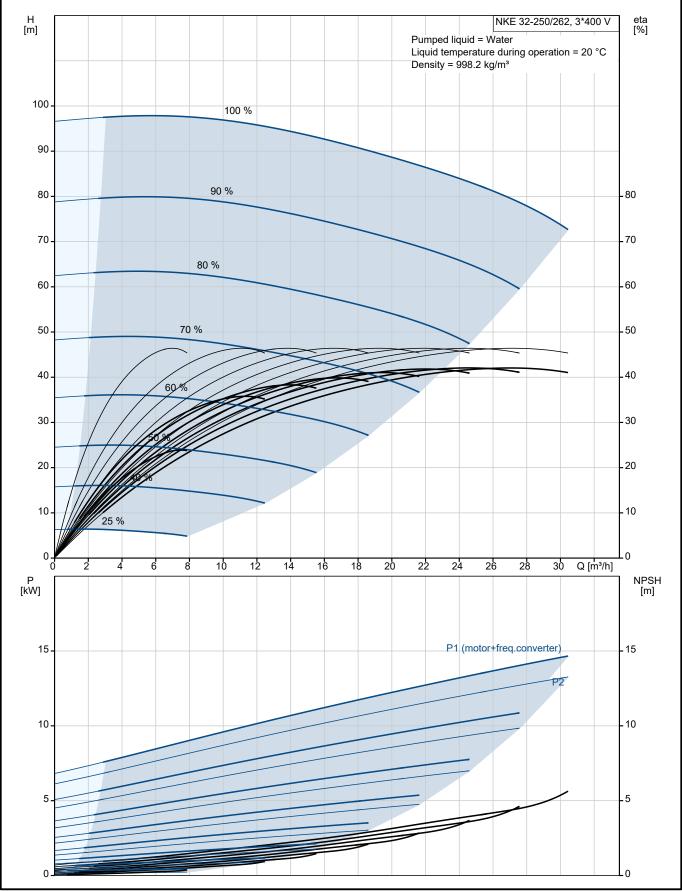
Others:

Minimum efficiency index, MEI ≥: 0.65
Net weight: 270 kg
Gross weight: 285 kg
Shipping volume: 0.561 m³
Country of origin: HU
Custom tariff no.: 84137059



Date: 16/06/2022

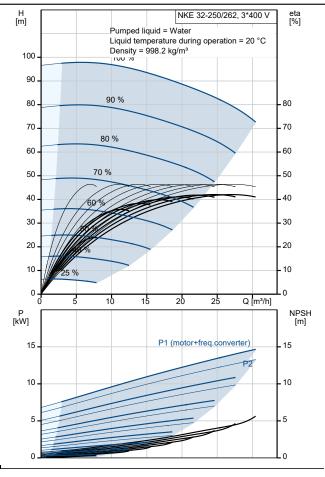
On request NKE 32-250/262 AA2F2AESBQQEOW1 50 Hz

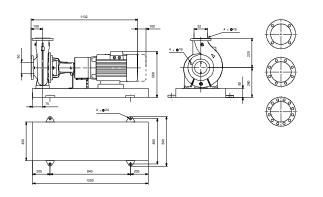


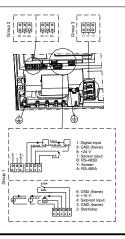


Date: 16/06/2022

Description Value General Information: NKE 32-250/262 AA2F2AESBQOEOW1 Product No: On request EAN number: On request EAN number: On request EAN number: On request Technical: Pump speed on which pump data are based: Rated flow: 26.97 m²/h Pump speed on which pump data are based: 26.97 m²/h Rated flow: 26.97 m²/h Pump with motor (Yes/No): Y Rated dhead: 79.24 m Actual impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Cuve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Cast iron Pump housing: Cast iron Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: ASTM class 30 Internal pump house co		
Product No: NKE 32-250/262 AA2F2AESBQEOW1 Product No: On request EAN number: On request Technical: On request Pump speed on which pump data are based: 2940 rpm Rated flow: 26.97 m³/h Pump with motor (Yes/No): Y Rated head: 79.24 m Actual impeller diameter: 262 mm Nominal impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Cast iron Pump housing: Cast iron Pump housing: Cast iron Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E		Value
Product No: On request EAN number: On request EAN number: On request Technical: Pump speed on which pump data are based: Rated flow: 26.97 m³/h Pump with motor (Yes/No): Y Rated head: 79.24 m Actual impeller diameter: 262 mm Nominal impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: Cast iron Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of outlet connection: DIN 32 Pressure rating for connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Its Efficiency class: 155 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	General information:	
EAN number: On request Technical: Pump speed on which pump data are based: Rated flow: 26.97 m³/h Pump with motor (Yes/No): Y Rated head: 79.24 m Actual impeller diameter: 262 mm Nominal impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Materials: Pump housing: Cast iron Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 35 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of outlet connection: DN 32 Pressure rating for connection: DN 32 Pressure rating for connection: DN 50 Size of outlet connection: DN 50 Size of outlet connection: DN 50 Size of outlet connection: DN 50 Code for base frame 6 Grouting (Yes/No): N Connect code: F Liquid: Water Liquid temperature: 20 °C Selected liquid temperature: 30 ×380-480 V	Product name:	
Technical: Pump speed on which pump data are based: Rated flow: 26.97 m³/h Pump with motor (Yes/No): Y Rated head: 79.24 m Actual impeller diameter: 262 mm Nominal impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: Brass Impeller: Cast iron Impeller: Cast iron Impeller: Cast iron Impeller: EN-GJL-200 Impeller: DASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AIS1 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of outlet connection: DN 32 Pressure rating for connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Water Liquid temperature ange: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Its Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Product No:	On request
Pump speed on which pump data are based: 2940 rpm Rated flow: 26.97 m³/h Pump with motor (Yes/No): Y Rated head: 79.24 m Actual impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Standard Pump pousing: Cast iron Pump housing: EN-GJL-250 Pump housing: Brass Pump housing: Brass Wear ring: Brass Impeller: Cast iron Impeller: ASTM class 35 Wear ring: Brass Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft:	EAN number:	On request
are based: Rated flow: 26.97 m³/h Pump with motor (Yes/No): Y Rated head: 79.24 m Actual impeller diameter: 260 mm Nominal impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: Cast iron Impeller: BN-GJL-250 Impeller: CASTM class 35 Impeller: CASTM class 35 Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainess steel Shaft: Stainess steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature: 20 °C Selected liquid temperature: 20 °C Selected liquid temperature: 20 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Technical:	
Pump with motor (Yes/No): Rated head: Rotual impeller diameter: Rotual impeller impeller: Rotual impel	Pump speed on which pump data are based:	2940 rpm
Rated head: 79.24 m Actual impeller diameter: 260 mm Nominal impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Ile Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Rated flow:	26.97 m³/h
Actual impeller diameter: 250 Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: -25 120 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Its Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Pump with motor (Yes/No):	Υ
Nominal impeller diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: Cast iron Impeller: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: CN	Rated head:	79.24 m
Shaft diameter: 24 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Cast iron Pump housing: EN-GJL-250 Pump housing: EN-GJL-250 Pump housing: Brass Impeller: Cast iron Impeller: Cast iron Impeller: ASTM class 35 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 50 Size of outlet connection:	Actual impeller diameter:	262 mm
Code for shaft seal: Mechanical seal type: Curve tolerance: ISO9906:2012 3B Pump version: Bearing design: Materials: Pump housing: Brass Impeller: Cast iron Impeller: Cast iron Impeller: Cast iron Impeller: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: Pipe connection standard: Type of inlet connection: DIN Type of outlet connection: DIN Size of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: DN 32 Pressure rating for connection: DN 32 Pressure rating for connection: DN 30 Code for base frame: 6 Grouting (Yes/No): Connect code: Liquid: Pumped liquid: Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Ite Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Nominal impeller diameter:	250
Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: EN-GJL-250 Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Liquid temperature: 20 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Shaft diameter:	24 mm
Curve tolerance: ISO9906:2012 3B Pump version: A2 Bearing design: Standard Materials: Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of outlet connection: DIN Type of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Itz Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Code for shaft seal:	BQQE
Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: Brass Pump housing: Brass Pump housing: Brass Pump housing: EN-GJL-200 Pump housing: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical dta: Motor type: I60MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Mechanical seal type:	Single
Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: Brass Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Its Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Curve tolerance:	ISO9906:2012 3B
Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Pump version:	A2
Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Bearing design:	Standard
Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Materials:	
Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: Stainless steel Shaft: EN 1.4301 Shaft: EN 1.4301 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Pump housing:	Cast iron
Wear ring:BrassImpeller:Cast ironImpeller:EN-GJL-200Impeller:ASTM class 30Internal pump house coating:CEDMaterial code:ACode for rubber:EShaft:Stainless steelShaft:EN 1.4301Shaft:EN 1.4304Installation:EN 1.4304Range of ambient temperature:-20 40 °CMaximum operating pressure:16 barPipe connection standard:EN 1092-2Type of inlet connection:DINSize of inlet connection:DN 50Size of outlet connection:DN 32Pressure rating for connection:PN 16Coupling type:Flexible w/spacerBase frame design:EN/ISOCode for base frame:6Grouting (Yes/No):NConnect code:FLiquid:WaterPumped liquid:WaterLiquid temperature range:-25 120 °CSelected liquid temperature:20 °CDensity:998.2 kg/m³Electrical data:Motor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWMains frequency:50 HzRated voltage:3 x 380-480 V	Pump housing:	EN-GJL-250
Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 50 Size of inlet connection: DN 50 Size of outlet connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Pump housing:	ASTM class 35
Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 50 Size of inlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Wear ring:	Brass
Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Impeller:	Cast iron
Internal pump house coating: Material code: Code for rubber: Shaft: Shaft: Shaft: Shaft: Shaft: Shaft: Shaft: Shaft: Installation: Range of ambient temperature: Pipe connection standard: Type of inlet connection: Size of inlet connection: DIN Size of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: IE afficiency class: Rated power - P2: Rated voltage: Rated voltage: Stainless steel A A A A A A A A A A A A A	Impeller:	EN-GJL-200
Material code: Code for rubber: E Shaft: Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: Pipe connection standard: Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Uiquid temperature range: Liquid temperature range: Pelectrical data: Motor type: IE Efficiency class: Rated power - P2: Naising steel Rated voltage: Stainless steel Ein 1.4301 A A A A A A A A A A A A A A A A A A	Impeller:	ASTM class 30
Code for rubber: Shaft: Shaft: Shaft: Shaft: EN 1.4301 Shaft: Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: Pipe connection standard: Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Uater Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: Rated power - P2: TiskW Mains frequency: Salanda AISI 304 AISI 304 EVA 105	Internal pump house coating:	CED
Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Material code:	A
Shaft: AISI 304 Installation: Range of ambient temperature: -20 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Code for rubber:	E
Shaft: Installation: Range of ambient temperature: Pipe connection standard: Type of inlet connection: Size of inlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: Coelected liquid temperature: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Uwater Liquid temperature range: Coelected liquid temperature: Density: De	Shaft:	Stainless steel
Installation: Range of ambient temperature: Pipe connection standard: Pipe connection: Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DIN Size of outlet connection: DN 50 Size of outlet connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Dn 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Uater Liquid temperature range: 20 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Shaft:	EN 1.4301
Range of ambient temperature: -20 40 °C Maximum operating pressure: Pipe connection standard: Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DIN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: Code for base frame: Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: Rated power - P2: Rated voltage: 3 x 380-480 V	Shaft:	AISI 304
Maximum operating pressure: Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN 50 Size of inlet connection: DN 30 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Uiquid temperature range: Coelected liquid temperature: Density: Densi	Installation:	
Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 50 Size of inlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Range of ambient temperature:	
Type of inlet connection: Type of outlet connection: DIN Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Uquid temperature range: Selected liquid temperature: Density: Density: Density: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: DN 50 DN 32 PN 16 EN/ISO EN/ISO Water EN/ISO V V Selected liquid: Water 10 °C 10 °C 10 MD 10 MD 11 E Efficiency class: 11 S kW Mains frequency: So Hz Rated voltage: Sa x 380-480 V	Maximum operating pressure:	16 bar
Type of outlet connection: Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature: 20 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: Rated power - P2: Rated voltage: SN 32 DN 32 PN 16 Connect w/spacer Bexible w/spacer	•	EN 1092-2
Size of inlet connection: Size of outlet connection: DN 32 Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature: 20 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: Rated power - P2: Rated voltage: 3 x 380-480 V	Type of inlet connection:	DIN
Size of outlet connection: Pressure rating for connection: Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature: 20 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: Rated power - P2: Rated voltage: 3 x 380-480 V	Type of outlet connection:	DIN
Pressure rating for connection: Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature: 20 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: Rated power - P2: Rated voltage: 3 x 380-480 V	Size of inlet connection:	DN 50
Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Size of outlet connection:	DN 32
Base frame design: EN/ISO Code for base frame: 6 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	· ·	
Code for base frame: Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: Nains frequency: Rated voltage: 3 x 380-480 V		Flexible w/spacer
Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: Rated power - P2: Rated voltage: 3 x 380-480 V	•	EN/ISO
Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Code for base frame:	6
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: 3 x 380-480 V	- ,	
Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Connect code:	F
Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: 3 x 380-480 V	Liquid:	
Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V		
Density: 998.2 kg/m³ Electrical data: 160MD Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V		
Electrical data: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V		
Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	•	998.2 kg/m³
IE Efficiency class: Rated power - P2: Mains frequency: So Hz Rated voltage: 3 x 380-480 V		
Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V		
Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V		IE3
Rated voltage: 3 x 380-480 V		
<u> </u>		
Rated current: 30.0-26.0 A	<u> </u>	
	Rated current:	30.0-26.0 A









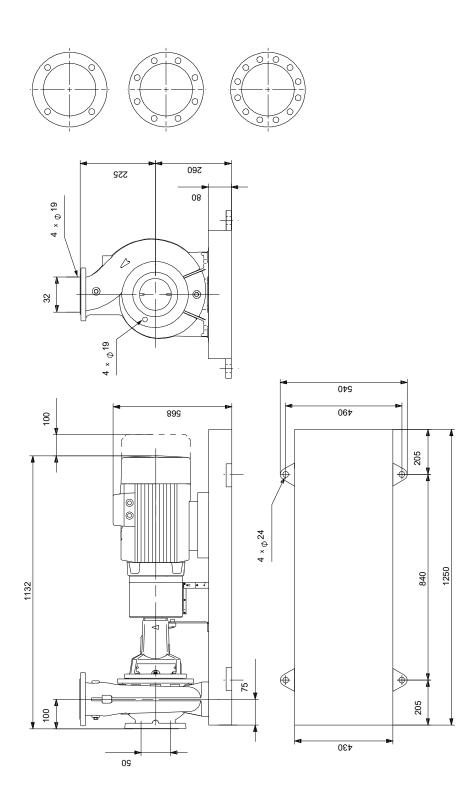
Date: 16/06/2022

Description	Value
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
Built-in motor protection:	YES
Motor No:	85901281
Controls:	
Control panel:	Standard
Function Module:	PUMP I/O
Frequency converter:	Built-in
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.65
Net weight:	270 kg
Gross weight:	285 kg
Shipping volume:	0.561 m³
Country of origin:	HU
Custom tariff no.:	84137059



16/06/2022 Date:

On request NKE 32-250/262 AA2F2AESBQQEOW1 50 Hz

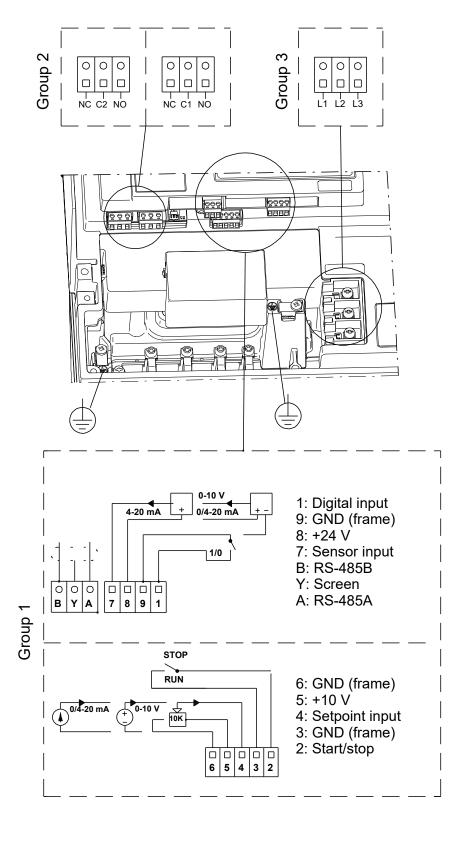


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 16/06/2022

On request NKE 32-250/262 AA2F2AESBQQEOW1 50 Hz



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



Date: 16/06/2022

Order Data:

Product name: NKE 32-250/262

Amount: 1

Product No: On request

Total: Price on request