

Date: 16/06/2022

Qty. | Description

1 NKE 100-160/160-140 BA2F2AESBQQEIWA



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, permanent-magnet synchronous 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.

The operating panel on the motor terminal box features a four-inch TFT display, push-buttons and the Grundfos Eye indicator.

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

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

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

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

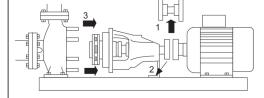
Communication with the pump is also possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

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.



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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.

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Seal faces:

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

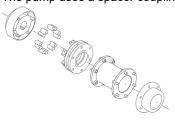
This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

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 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 holds terminals for these connections:

- one dedicated digital input
- two 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 configurable digital input or open-collector output
- 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

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:



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Pump speed on which pump data are based: 1450 rpm

Rated flow: 114 m³/h

Pump with motor (Yes/No): Y
Rated head: 4.9 m
Actual impeller diameter: 150 mm
Nominal impeller diameter: 160
Code for shaft seal: BQQE
Mechanical seal type: Single

Curve tolerance: ISO9906:2012 3B2

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 .. 50 °C

Maximum operating pressure: 16 bar

Pipe connection standard: EN 1092-2

Type of inlet connection: DIN

Size of inlet connection: DN 125

Size of outlet connection: DN 100

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

Electrical data:

Motor type: 100LB
IE Efficiency class: IE5
Rated power - P2: 2.2 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 380-500 V

Rated current: 4.30-3.60 A
Cos phi - power factor: 0.90-0.82
Rated speed: 180-2200 rpm

Efficiency: 89.1%

Motor efficiency at full load: 89.1 %

Number of poles: 4

Enclosure class (IEC 34-5): IP55

Insulation class (IEC 85): F

Motor No: 99305880

Bearing insulation type N-end: STEEL BEARING

Others:

Minimum efficiency index, MEI ≥: 0.68

Net weight: 184 kg

Gross weight: 199 kg



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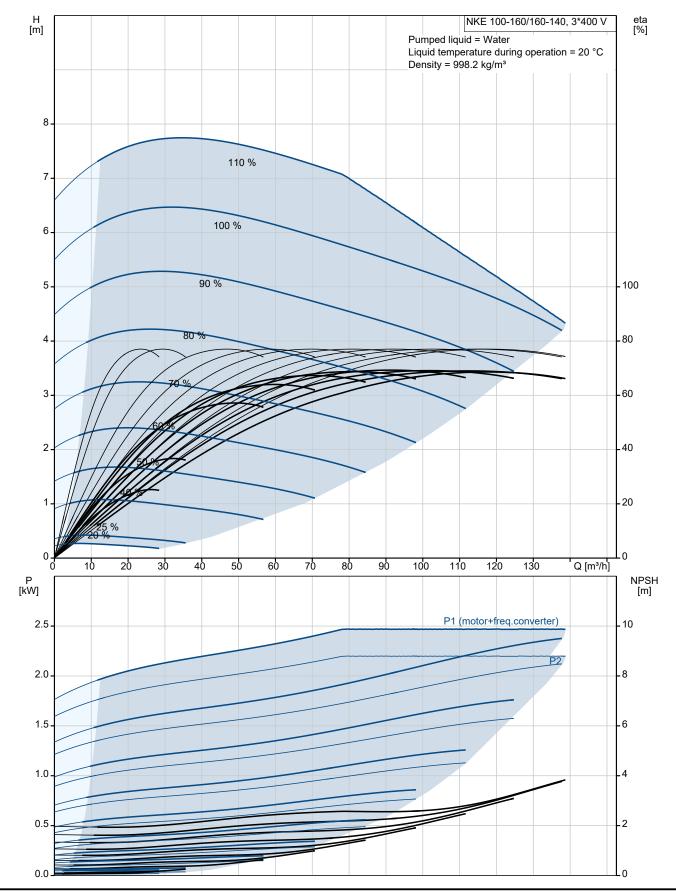
| | Description | |
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| | Shipping volume: | 0.554 m |
| | Country of origin: | HU |

Country of origin: HU
Custom tariff no.: 84137059



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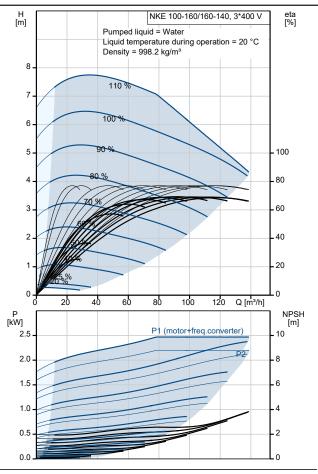
On request NKE 100-160/160-140 BA2F2AESBQQEIWA 50 Hz

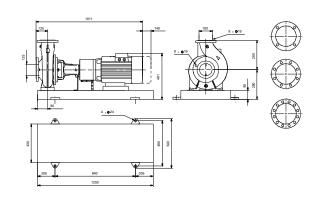


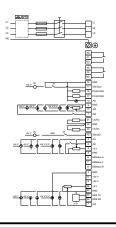


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| Impeller: Cast iron Impeller: EN-GJL-200 Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Stainless steel Shaft: EN 1.4301 Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 50 °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 125 Size of outlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 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 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of outlet connection: DN 125 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 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 50 °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 125 Size of outlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Impeller: | Cast iron | |
| 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 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of inlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Impeller: | EN-GJL-200 | |
| Material code: Code for rubber: Shaft: Shaft: Shaft: Shaft: AISI 304 Installation: Range of ambient temperature: Pipe connection standard: Type of inlet connection: Size of inlet connection: DIN Type of outlet connection: DN 100 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: Liquid temperature range: Selected liquid temperature: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: DN 20 °C Density: PS 998.2 kg/m³ Electrical data: Motor type: In 100LB IE Efficiency class: Rated power - P2: Rated power - P2: Rated voltage: Stainless steel EN 1.4301 AISI 304 IN 1.4301 BY 1 | Impeller: | ASTM class 30 | |
| Code for rubber: Shaft: Shaft: 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 100 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: Celected liquid temperature: DN 100 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: Celected liquid temperature: DN 20 °C Density: Density: Density: DN 20 °C Density: Density: DN 20 °C DN 30 °C | Internal pump house coating: | CED | |
| Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: Range of ambient temperature: -20 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of inlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Material code: | A | |
| Shaft: Shaft: AISI 304 Installation: Range of ambient temperature: -20 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of inlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Code for rubber: | E ' | |
| Shaft: AISI 304 Installation: Range of ambient temperature: -20 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of inlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Shaft: | Stainless steel | |
| Installation: Range of ambient temperature: -20 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of inlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Shaft: | EN 1.4301 | |
| Range of ambient temperature: -20 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of inlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Shaft: | AISI 304 | |
| 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 125 Size of outlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Installation: | | |
| Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DN 125 Size of inlet connection: DN 100 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Range of ambient temperature: | -20 50 °C | |
| Type of inlet connection: Type of outlet connection: DIN Size of inlet connection: DN 125 Size of outlet connection: DN 100 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: Selected liquid temperature: Density: Density: P98.2 kg/m³ Electrical data: Motor type: IE Efficiency class: Rated power - P2: Rated voltage: Selection: DIN DN 125 DN 125 Shall w/spacer Bexible w/space | Maximum operating pressure: | 16 bar | |
| Type of outlet connection: Size of inlet connection: DN 125 Size of outlet connection: DN 100 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: Density: Selected liquid temperature: Density: Personal data: Motor type: Rated power - P2: Rated voltage: DN 100 N 100 N 20 N 20 N 30 Electrical data: Motor type: 100 LE Efficiency class: Rated voltage: Size of outlet connection: DN 125 N 40 Vater Louid: Pumped liquid: Water Liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 100 LE Efficiency class: Rated voltage: 3 x 380-500 V | | EN 1092-2 | |
| Size of inlet connection: Size of outlet connection: DN 100 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: -25 120 °C Selected liquid temperature: Density: Blectrical data: Motor type: Rated power - P2: Rated voltage: DN 125 PN 100 N 100 | Type of inlet connection: | DIN | |
| Size of outlet connection: 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: 3 x 380-500 V | Type of outlet connection: | DIN | |
| 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Size of inlet connection: | DN 125 | |
| 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Size of outlet connection: | DN 100 | |
| 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: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Pressure rating for connection: | PN 16 | |
| Code for base frame: Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: 100LB IE Efficiency class: Rated power - P2: Rated voltage: 3 x 380-500 V | Coupling type: | 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: IE Efficiency class: Rated power - P2: Rated voltage: N N Vater 20 °C 998.2 kg/m³ Electrical data: Motor type: 100LB IE 5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Base frame design: | EN/ISO | |
| Connect code: Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density: Selectrical data: Motor type: IE Efficiency class: Rated power - P2: Rated voltage: Swatter Selected liquid temperature: Selectrical data: Motor type: Selectrical data: Selectrical | Code for base frame: | 6 | |
| Liquid: Pumped liquid: Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Grouting (Yes/No): | N | |
| Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Connect code: | F | |
| Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | • | | |
| Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Pumped liquid: | Water | |
| Density: 998.2 kg/m³ Electrical data: I00LB Motor type: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Liquid temperature range: | | |
| Electrical data: Motor type: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | | | |
| Motor type: 100LB IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Density: | 998.2 kg/m³ | |
| IE Efficiency class: IE5 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Electrical data: | | |
| Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | Motor type: | 100LB | |
| Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V | IE Efficiency class: | IE5 | |
| Rated voltage: 3 x 380-500 V | Rated power - P2: | 2.2 kW | |
| 9 | Mains frequency: | 50 Hz | |
| Rated current: 4.30-3.60 A | Rated voltage: | 3 x 380-500 V | |
| | Rated current: | 4.30-3.60 A | |









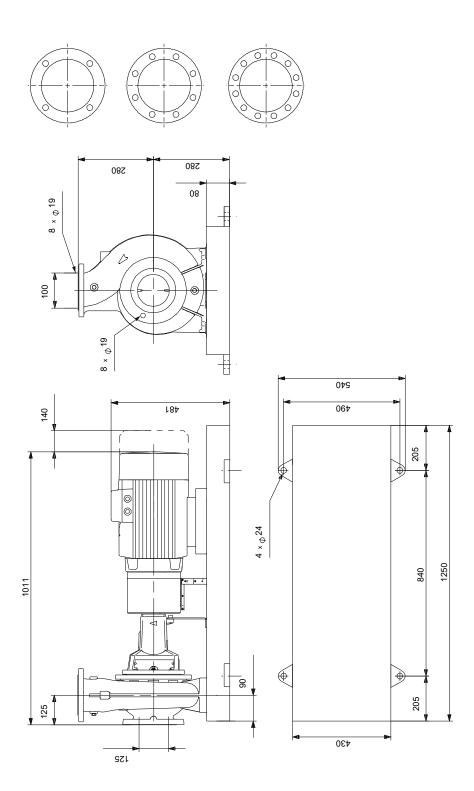
Date: 16/06/2022

| Description | Value |
|----------------------------------|-------------------|
| Cos phi - power factor: | 0.90-0.82 |
| Rated speed: | 180-2200 rpm |
| Efficiency: | 89.1% |
| Motor efficiency at full load: | 89.1 % |
| Number of poles: | 4 |
| Enclosure class (IEC 34-5): | IP55 |
| Insulation class (IEC 85): | F |
| Built-in motor protection: | ELEC |
| Motor No: | 99305880 |
| Bearing insulation type N-end: | STEEL BEARING |
| Controls: | |
| Control panel: | HMI300 - Advanced |
| Function Module: | FM300 - Advanced |
| Frequency converter: | Built-in |
| Pressure sensor: | N |
| Others: | |
| Minimum efficiency index, MEI ≥: | 0.68 |
| Net weight: | 184 kg |
| Gross weight: | 199 kg |
| Shipping volume: | 0.554 m³ |
| Country of origin: | HU |
| Custom tariff no.: | 84137059 |



16/06/2022 Date:

On request NKE 100-160/160-140 BA2F2AESBQQEIWA 50 Hz

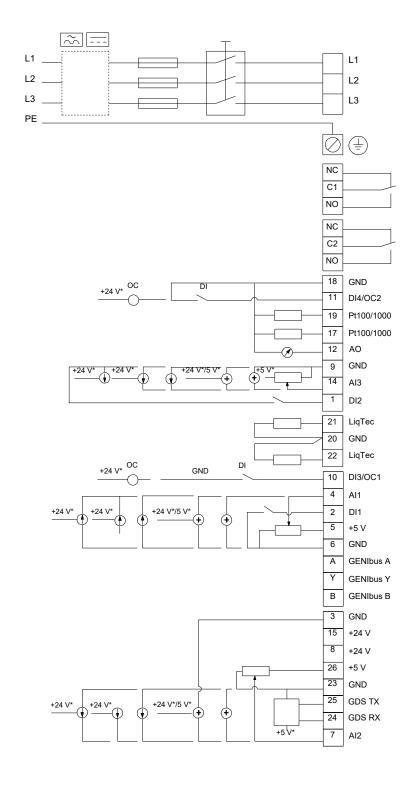


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 16/06/2022

On request NKE 100-160/160-140 BA2F2AESBQQEIWA 50 Hz



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



Date: 16/06/2022

Order Data:

Product name: NKE 100-160/160-140

Amount: 1

Product No: On request

Total: Price on request