

Date: 16/06/2022

Qty. | Description

1 NKE 100-250/245 BA2F2AESBQQENW3



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.

The product's minimum efficiency index (MEI) is greater or equal to 0.70. This is by the Commission Regulation (EU) considered as an indicative benchmark for best-performing water pump available on the market as from 1 January 2013.

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".

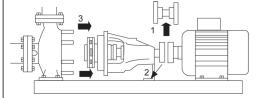
Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

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)



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Stationary seat material: silicon carbide (SiC)

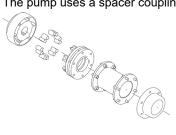
This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

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 32 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: 1460 rpm

Rated flow: 160.6 m³/h

Pump with motor (Yes/No): Y
Rated head: 17.54 m
Actual impeller diameter: 245 mm
Nominal impeller diameter: 250



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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:

Impeller:

Cast iron
EN-GJL-200

ASTM class 30

Internal pump house coating: CED

Shaft: Stainless steel

EN 1.4301 AISI 304

Installation:

-20 .. 40 °C Range of ambient temperature: Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN DIN Type of outlet connection: 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: 7 Grouting (Yes/No): N

Electrical data:

Motor type: 160LB
IE Efficiency class: IE3
Rated power - P2: 11 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 380-480 V
Rated current: 22.0-17.8 A

Cos phi - power factor:

Rated speed:

Efficiency:

Motor efficiency at full load:

Number of poles:

Enclosure class (IEC 34-5):

Insulation class (IEC 85):

0.91-0.90

240-1750 rpm

IE3 91,4%

91.4 %

IP55

IP55

F

Motor No: 86906221

Others:

Minimum efficiency index, MEI ≥: 0.70

Net weight: 349 kg

Gross weight: 376 kg

Shipping volume: 0.769 m³

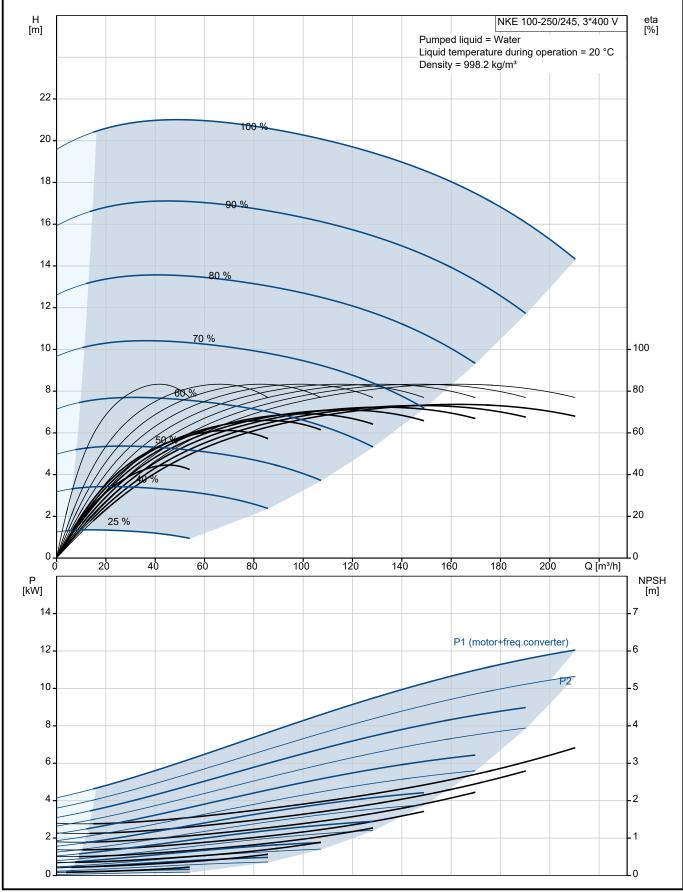
Country of origin: HU

Custom tariff no.: 84137059



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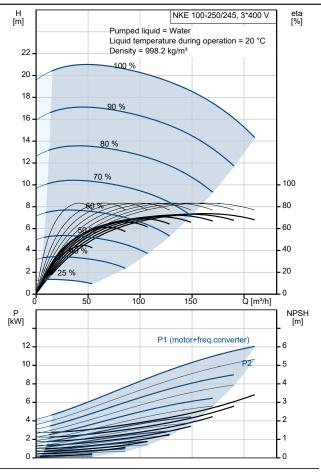
On request NKE 100-250/245 BA2F2AESBQQENW3 50 Hz

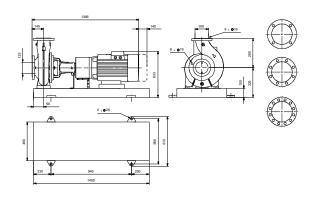


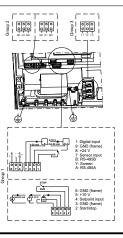


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Description Value General Information: NKE 100-250/245 BA2F2AESBQQENW3 Product name: NKE 100-250/245 BA2F2AESBQQENW3 Product No: On request EAN number: On request Technical: 160.6 m³/h Pump speed on which pump data are based: 160.6 m³/h Rated flow: 160.6 m³/h Pump with motor (Yes/No): Y Rated head: 17.54 m Actual impeller diameter: 250 Shaft diameter: 32 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B2 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: AC-GL-JL-200 Impeller: AC-GL-JL-200 Impeller: ASTM class 30 Internal pump house coating		
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Nominal impeller diameter: 32 mm Code for shaft seal: BQQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B2 Pump version: A2 Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: ASTM class 35 Wear ring: Brass Impeller: Cast iron Impeller: EN-GJL-250 Impeller: ASTM class 35 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 Size of inlet connection: DN 100 Pressure rating for connection: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: CN 100 Selected liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160LB ILE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Rated head:	17.54 m
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Code for shaft seal: Mechanical seal type: Curve tolerance: ISO9906:2012 3B2 Pump version: Bearing design: Pump housing: Rarss Impeller: Impeller: Impeller: ASTM class 35 Mear ring: Impeller: Impeller: ASTM class 30 Internal pump house coating: CED Material code: A Code for rubber: E Shaft: Shaft: Shaft: 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 100 Pressure rating for connection: DN 100 Pressure rating for connection: PN 16 Coupling type: Base frame design: CAzet iron Flexible w/spacer Base frame design: COde for base frame: 7 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: 160LB IE Efficiency class: Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Nominal impeller diameter:	250
Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B2 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 Size of outlet connection: DN 100 Pressure rating for connection: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 7 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Water Liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Shaft diameter:	32 mm
Curve tolerance: ISO9906:2012 3B2 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: 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 25 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: 7 Grouting (Yes/No): N Connect code: F Liquid: Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V		
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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 inlet connection: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 7 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: I60LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Curve tolerance:	
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Wear ring: Impeller: Impel		EN-GJL-250
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 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 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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 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 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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 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: 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 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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Impeller:	Cast iron
Internal pump house coating: Material code: A Code for rubber: E 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 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: DN 20 °C Selected liquid temperature: DN 20 °C Density: Pessure rating for connection: DN 20 °C Density: Pumped liquid: Liquid temperature: D °C Density: Pessure rating for connection: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: FN/ISO Code for base frame: To Coupling type: Flexible w/spacer Base frame design: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: Code for base frame: To Coupling type: Flexible w/spacer Base frame design: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: Coupling type: Flexible w/spacer Base frame design: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: Coupling type: Flexible w/spacer Base frame design: DN 100 Pressure rating for connection: DN	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: Phase frame design: Code for base frame: Grouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: DN 100 Pressive Personnection: Possive Personnection: F Coupling type: Base frame: Fexible w/spacer F	Impeller:	ASTM class 30
Code for rubber: Shaft: Shaft: Shaft: Shaft: AISI 304 Installation: Range of ambient temperature: Pipe connection standard: Type of inlet connection: DIN Type of outlet connection: Dize of inlet connection: Dize of outlet connection: Dixize of outlet connection: Pressure rating for connection: Ph 16 Coupling type: Base frame design: Code for base frame: Flexible w/spacer Base frame design: Code for base frame: Flexible w/spacer Base frame design: Code for base frame: Torouting (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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	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: 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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Material code:	A
Shaft: 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 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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Code for rubber:	E
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 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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Shaft:	Stainless steel
Installation: Range of ambient temperature: Pipe connection standard: Type of inlet connection: Size of inlet connection: DIN Type of outlet connection: DIN Size of outlet connection: DIN Pressure rating for connection: PN 16 Coupling type: Base frame design: Code for base frame: Grouting (Yes/No): Connect code: FLiquid: Pumped liquid: Liquid temperature range: Liquid temperature range: Selected liquid temperature: DN 100 Pressure rating for connection: PN 16 Coupling type: Flexible w/spacer Base frame design: Code for base frame: FLiquid: Pumped liquid: Uwater Liquid temperature range: Selected liquid temperature: Density: Pumped liquid temperature: Density: Selected liquid temperature: Density: Selectrical data: Motor type: If 60LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: So Hz Rated voltage: 3 x 380-480 V	Shaft:	EN 1.4301
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 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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz 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 125 Size of inlet 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: P98.2 kg/m³ Electrical data: Motor type: IE Efficiency class: Rated power - P2: Naloy 20 Hz Rated voltage: Selected liquid: Selection: Selected liquid: Selection: Selected liquid: Selection: Selected liquid temperature: Density: Selected liquid temperature:		
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: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 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 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: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: Rated power - P2: Na 120 DIN DN 125 DN 100 PN 16 Coupling type: Flexible w/spacer Plexible w/spacer Plexible w/spacer Pour Selexible w/spacer Rated voltage: DN 100 PN 16 Coupling type: Flexible w/spacer Rated voltage: DN 100 PN 16 Vater Coupling type: Pour Selexible w/spacer Pour Selexible w/spacer Rated voltage: DN 100 PN 16 Vater Tour Selexible w/spacer Rated voltage: DN 100 PN 16 Vater Tour Selexible w/spacer Pour Selexible w/spacer Rated voltage: DN 100 PN 16 Vater Tour Selexible w/spacer Rated voltage: DN 100 PN 16 Vater Tour Selexible w/spacer Rated voltage: DN 100 PN 16 Vater Tour Selexible w/spacer Rated voltage: DN 100 PN 16 Vater Tour Selexible w/spacer Pour Selexible w/spacer Rated voltage: DN 100 Pour Selexible w/spacer DN 100 Pour Selexible w/spacer Rated voltage: DN 100 Pour Selexible w/spacer Pour Selexible w/spacer Rated voltage: DN 100 Pour Selexible w/spacer Rated voltage: DN 100 Pour Selexible w/spacer Pour Selexible w	1 01	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: DN 100 PN 16 Coupling type: Flexible w/spacer EN/ISO Code for base frame: 7 Grouting (Yes/No): N Connect code: F Liquid: Pumped liquid: Usater Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160LB IE Efficiency class: Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 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: Selected liquid temperature: Density: Personal data: Motor type: IE Efficiency class: Rated power - P2: Rated voltage: DN 125 PN 100 N 100 PN 16 EN 100 EN 100 N Vater Liquid: Vater 20 °C 998.2 kg/m³ Electrical data: Motor type: 160LB IE 3 Rated power - P2: 11 kW Mains frequency: So Hz Rated voltage: 3 x 380-480 V	Type of inlet connection:	DIN
Size of outlet connection: Pressure rating for connection: Pressure rating for connection: PN 16 Coupling type: Base frame design: EN/ISO Code for base frame: Forouting (Yes/No): Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature: 20 °C Selected liquid temperature: 20 °C Density: Pensity: Pe	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: Selected liquid temperature: Density: Plectrical data: Motor type: IE Efficiency class: Rated power - P2: Rated voltage: Plexible w/spacer Flexible w/spacer Rexible w/spacer Water Vater L20 °C Selected liquid temperature: 20 °C Density: 160LB IE 3 Rated voltage: So Hz Rated voltage: So Hz	Size of inlet connection:	DN 125
Coupling type: Flexible w/spacer Base frame design: EN/ISO Code for base frame: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Size of outlet connection:	DN 100
Base frame design: EN/ISO Code for base frame: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Pressure rating for connection:	PN 16
Code for base frame: 7 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Coupling type:	•
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: Mains frequency: Rated voltage: N N Water 20 °C 998.2 kg/m³ Electrical data: Motor type: 160LB IE3 Rated voltage: 3 x 380-480 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: F Water Water 20 °C 20 °C 998.2 kg/m³ Electrical data: Motor type: 160LB IE 3 Rated voltage: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Code for base frame:	7
Liquid: Pumped liquid: Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 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: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Connect code:	F
Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	•	
Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	· · ·	Water
Density: 998.2 kg/m³ Electrical data:	-	
Electrical data: Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V		
Motor type: 160LB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Density:	998.2 kg/m³
IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Electrical data:	
Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	Motor type:	160LB
Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V	IE Efficiency class:	IE3
Rated voltage: 3 x 380-480 V	Rated power - P2:	11 kW
•	Mains frequency:	50 Hz
Rated current: 22.0-17.8 A	Rated voltage:	3 x 380-480 V
	Rated current:	22.0-17.8 A









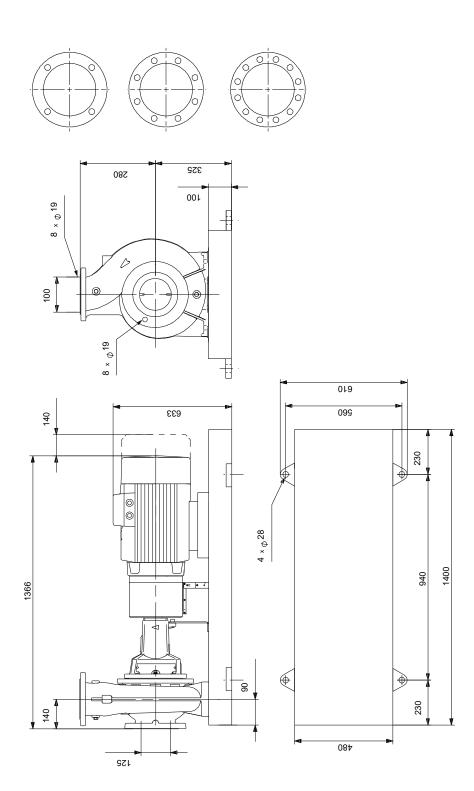
Date: 16/06/2022

Description	Value
Cos phi - power factor:	0.91-0.90
Rated speed:	240-1750 rpm
Efficiency:	IE3 91,4%
Motor efficiency at full load:	91.4 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	YES
Motor No:	86906221
Controls:	
Control panel:	Standard
Function Module:	PUMP I/O
Frequency converter:	Built-in
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	349 kg
Gross weight:	376 kg
Shipping volume:	0.769 m³
Country of origin:	HU
Custom tariff no.:	84137059



16/06/2022 Date:

On request NKE 100-250/245 BA2F2AESBQQENW3 50 Hz

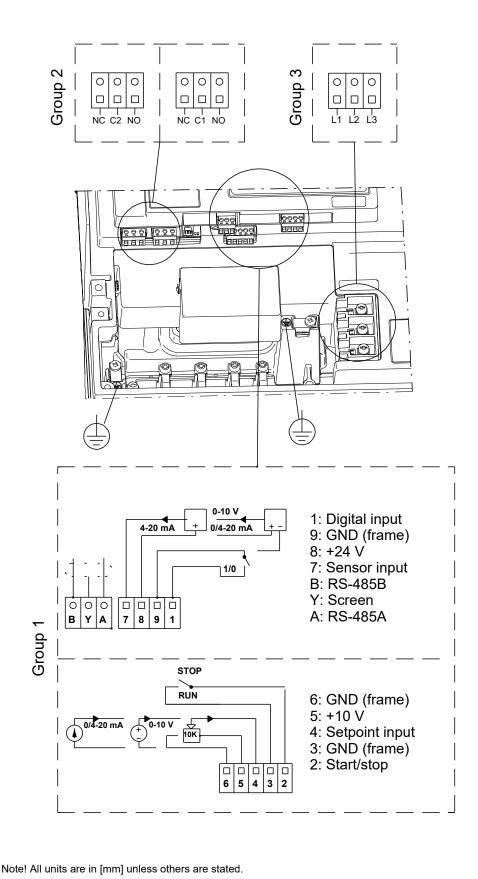


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 16/06/2022

On request NKE 100-250/245 BA2F2AESBQQENW3 50 Hz





Date: 16/06/2022

Order Data:

Product name: NKE 100-250/245

Amount: 1

Product No: On request

Total: Price on request