

Qty. Description

1 **NBE 100-250/274 BASF2AESBQQEOWA**



Note! Product picture may differ from actual product

Product No.: [98976179](#)

Non-self-priming, single-stage, centrifugal volute pump designed according to ISO 5199 with dimensions and rated performance according to EN 733 (10 bar). Flanges are PN 16 with dimensions according to EN 1092-2. The pump has an axial suction port, radial discharge port, horizontal shaft and a back pull-out design enabling removal of the motor, motor stool, cover and impeller without disturbing the pump housing or pipework.

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

The pump is close-coupled to a fan-cooled, permanent-magnet synchronous motor.

The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement.

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: 1447 rpm
 Rated flow: 171.5 m³/h
 Rated head: 21.61 m
 Actual impeller diameter: 274 mm
 Nominal impeller diameter: 250
 Shaft seal arrangement: Single
 Primary shaft seal: BQQE
 Code for shaft seal: BQQE
 Curve tolerance: ISO9906:2012 3B
 Bearing design: Standard

Materials:

Type key, code for materials: A
 Type key, code for rubber components. E = EPDM, V=FKM: E
 Pump housing: Cast iron
 EN-GJL-250
 ASTM class 35
 Wear ring: Brass



Company name:

Created by:

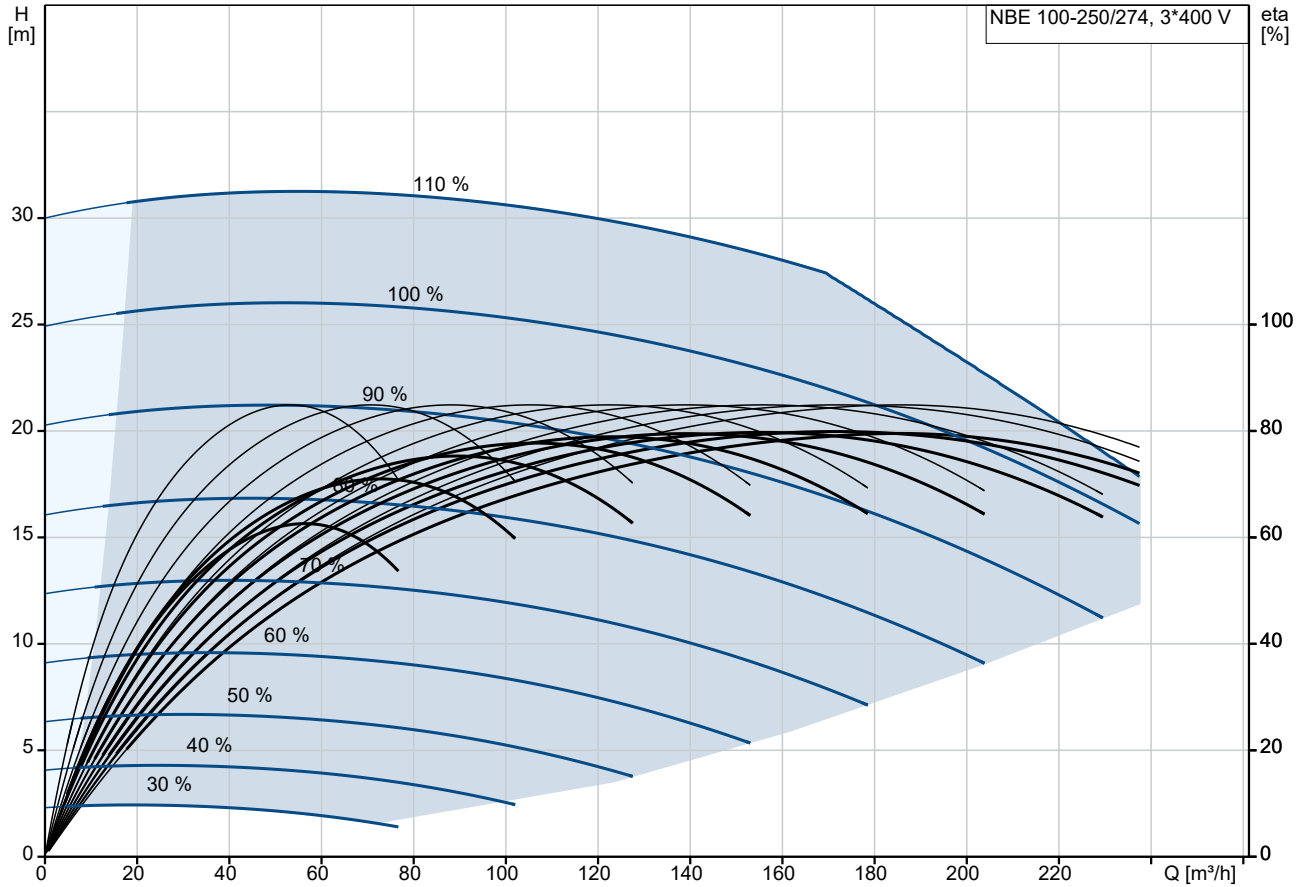
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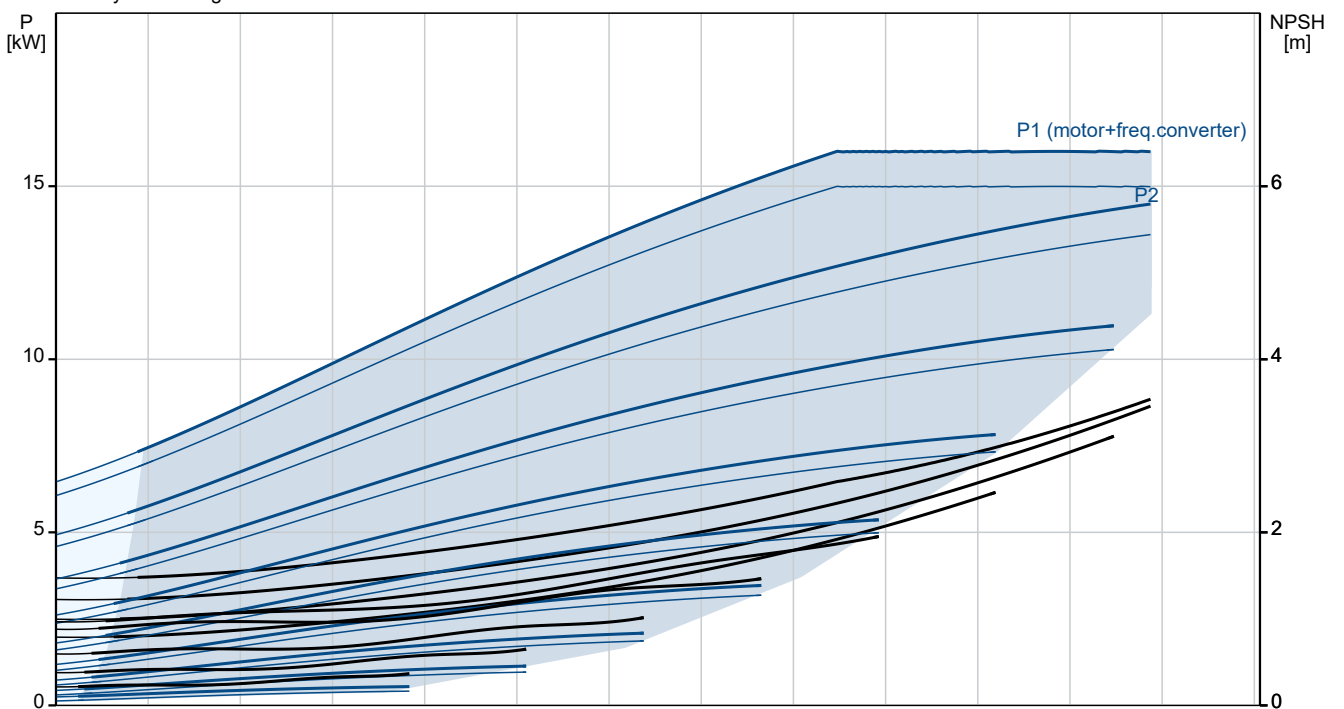
29/04/2026

Qty.	Description
1	<p>CuZn34Mn3Al2Fe1-C</p> <p>Impeller: Cast iron EN-GJL-200 ASTM class 30</p> <p>Pump house, internal coating: CED</p> <p>Shaft: Stainless steel EN 1.4301 AISI 304</p> <p>Installation:</p> <p>Range of ambient temperature: -20 .. 50 °C</p> <p>Maximum operating pressure: 16 bar</p> <p>Pipe connection standard: EN 1092-2</p> <p>Size of inlet connection: DN 125</p> <p>Size of outlet connection: DN 100</p> <p>Pressure rating for connection: PN 16</p> <p>Bearing lubrication: Grease</p> <p>Pump housing with feet (Yes/No): Yes</p> <p>Support block (Yes/No): Y</p> <p>Electrical data:</p> <p>Rated power - P2: 15 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-480 V</p> <p>Rated current: 26.7-21.8 A</p> <p>Cos phi - power factor: 0.94-0.91</p> <p>Rated speed: 180-2200 rpm</p> <p>IE Efficiency class: IE5</p> <p>Motor efficiency at full load: 93.0 %</p> <p>Number of poles: 4</p> <p>Enclosure class (IEC 34-5): IP55</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 92875535</p> <p>Bearing insulation type N-end: Steel bearing</p> <p>Others:</p> <p>Minimum efficiency index, MEI ≥: 0.70</p> <p>Net weight: 246 kg</p> <p>Gross weight: 271 kg</p> <p>Shipping volume: 0.707 m³</p> <p>Danish VVS No.: 386105253</p> <p>Country of origin: HU</p> <p>Custom tariff no.: 84137051</p> <p>Language on pump nameplate: GB</p>

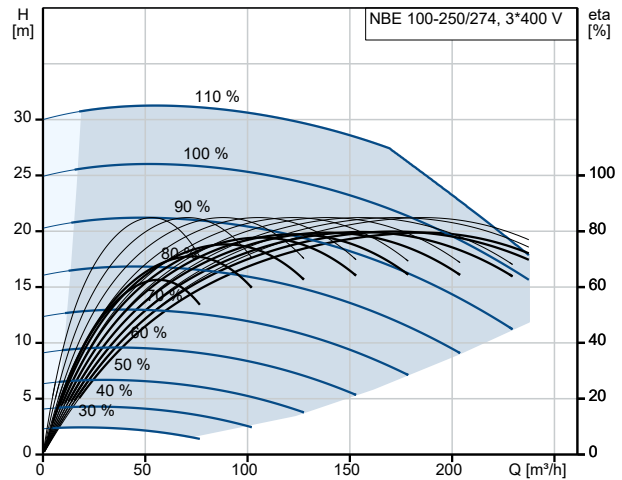
98976179 NBE 100-250/274 BASF2AESBQQEOWA 50 Hz



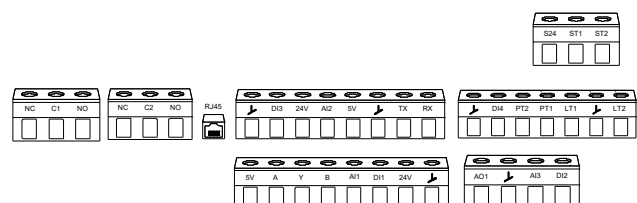
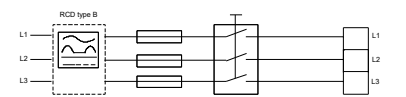
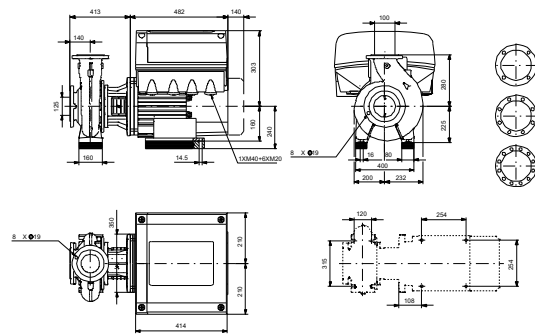
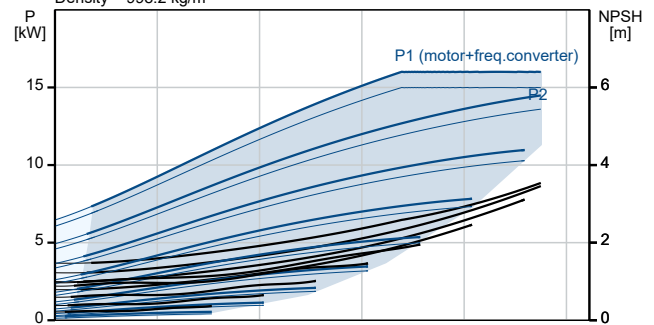
Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



Description	Value
General information:	
Product name:	NBE 100-250/274 BASF2AESBQQEOWA
Product No:	98976179
EAN number:	5712604557211
Technical:	
Pump speed on which pump data are based:	1447 rpm
Rated flow:	171.5 m ³ /h
Rated head:	21.61 m
Actual impeller diameter:	274 mm
Nominal impeller diameter:	250
Shaft seal arrangement:	Single
Primary shaft seal:	BQQE
Shaft diameter:	32 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	AS
Bearing design:	Standard
Materials:	
Type key, code for materials:	A
Type key, code for rubber components. E = EPDM, V=FKM:	E
Pump housing:	Cast iron EN-GJL-250 ASTM class 35
Wear ring:	Brass CuZn34Mn3Al2Fe1-C
Impeller:	Cast iron EN-GJL-200 ASTM class 30
Pump house, internal coating:	CED
Material code:	A
Code for rubber:	E
Shaft:	Stainless steel EN 1.4301 AISI 304
Installation:	
Range of ambient temperature:	-20 .. 50 °C
Maximum operating pressure:	16 bar
Type key, code for pipework connection:	F2
Pipe connection standard:	EN 1092-2
Size of inlet connection:	DN 125
Size of outlet connection:	DN 100
Pressure rating for connection:	PN 16
Bearing lubrication:	Grease
Pump housing with feet (Yes/No):	Yes
Support block (Yes/No):	Y
Connect code:	F2
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³
Electrical data:	



Pumped liquid = Water
Liquid temperature during operation = 20 °C
Density = 998.2 kg/m³





Company name:

Created by:

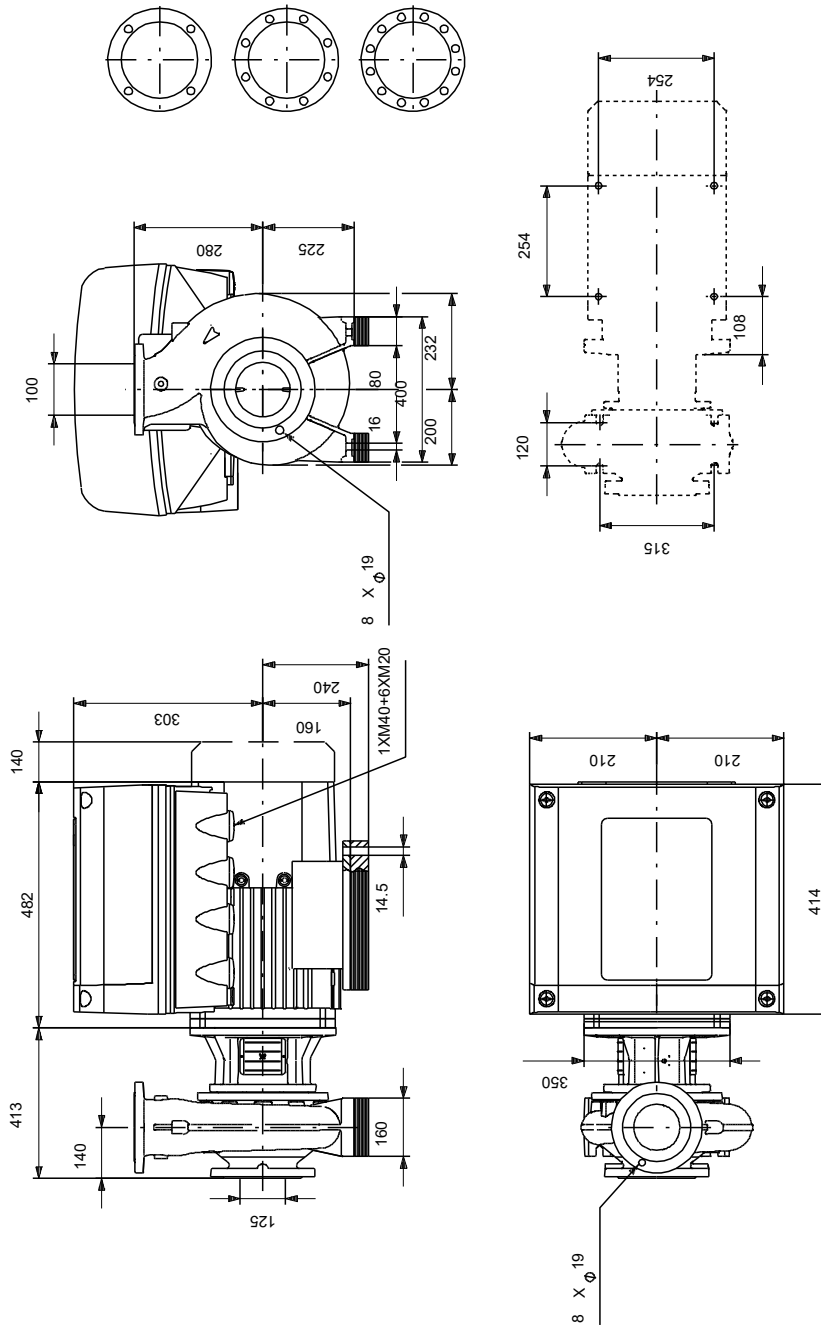
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Date:

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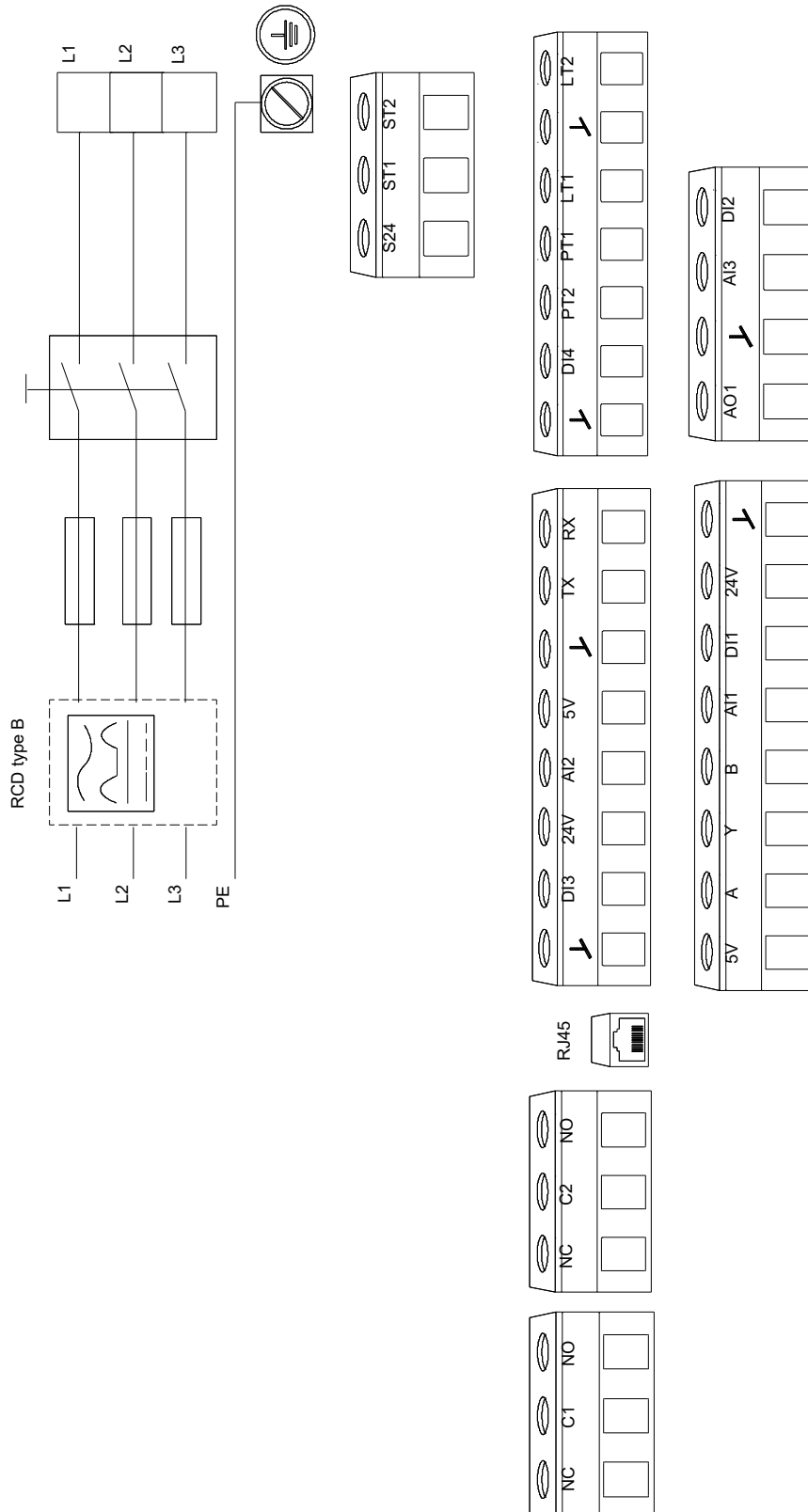
Description	Value
Rated power - P2:	15 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-480 V
Rated current:	26.7-21.8 A
Cos phi - power factor:	0.94-0.91
Rated speed:	180-2200 rpm
IE Efficiency class:	IE5
Motor efficiency at full load:	93.0 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	ELEC
Motor No:	92875535
Mount. design. acc. IEC 34-7:	IM B35
Bearing insulation type N-end:	Steel bearing
Controls:	
Control panel:	HMI300 - Advanced
Function Module:	FM310 - Advanced
Frequency converter:	Built-in
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	246 kg
Gross weight:	271 kg
Shipping volume:	0.707 m ³
Danish VVS No.:	386105253
Country of origin:	HU
Custom tariff no.:	84137051
Language on pump nameplate:	GB

98976179 NBE 100-250/274 BASF2AESBQQEOWA 50 Hz



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

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