

Date: 10/05/2019

Qty. | Description

1 NBE 32-160/139AF2ABQQE



Note! Product picture may differ from actual product

Product No.: 99104685

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

Liquid:

Pumped liquid: Water

Liquid temperature range: -25 .. 120 °C

Selected liquid temperature: 20 °C

Density at selected liquid temperature: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2901 rpm

Rated flow: 23.1 m³/h
Rated head: 19.91 m
Actual impeller diameter: 139 mm
Nominal impeller diameter: 160 mm
Shaft seal arrangement: Single
Code for shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Cast iron

EN-GJL-250 ASTM class 35

Wear ring: Brass Impeller: Cast iron

EN-GJL-200 ASTM class 30

Shaft: Stainless steel

EN 1.4301 AISI 304

Installation:

Maximum ambient temperature: 50 °C
Maximum operating pressure: 16 bar
Pipe connection standard: EN 1092-2



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Size of inlet connection: DN 50
Size of outlet connection: DN 32
Pressure rating for pipe connection: PN 16

Pump housing with feet: Y Support block: N

Electrical data:

IE Efficiency class:IE5P2:2.2 kWMains frequency:50 Hz

Rated voltage: 3 x 380-500 V
Rated current: 4.15-3.40 A
Cos phi - power factor: 0.93-0.87
Rated speed: 360-4000 rpm

Efficiency: 90.1%
Motor efficiency at full load: 90.1 %
Enclosure class (IEC 34-5): IP55
Insulation class (IEC 85): F

Motor No: 98719485

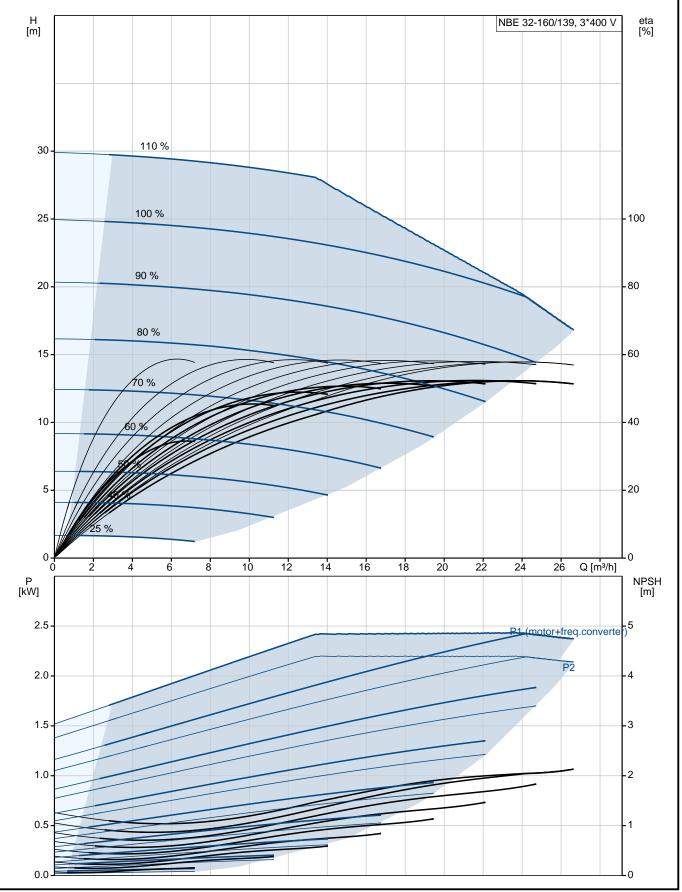
Others:

Minimum efficiency index, MEI ≥: 0.59
Net weight: 42 kg
Gross weight: 52 kg
Shipping volume: 0.134 m³
Country of origin: HU
Custom tariff no.: 84137051



Date: 10/05/2019

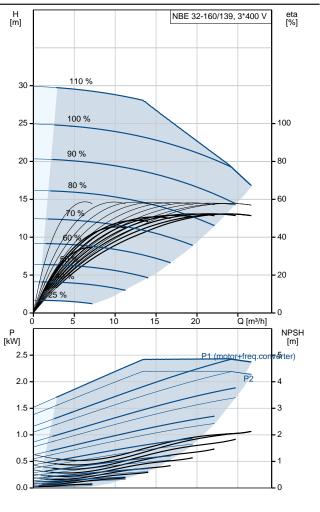
99104685 NBE 32-160/139AF2ABQQE 50 Hz





Date: 10/05/2019

Description Value General Information: NBE 32-160/139AF2ABQQE Product name: 99104685 EAN number: 5712606839780 Price: 2.794,00 GBP Technical: 2901 rpm Pump speed on which pump data are based: 2901 rpm Rated flow: 23.1 m³/h Rated head: 19.91 m Actual impeller diameter: 160 mm Nominal impeller diameter: 160 mm Shaft seal arrangement: Single Shaft diameter: 24 mm Code for shaft seal: BCQE Curve tolerance: ISO9906:2012 3B Pump version: A Materials: Very model Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron Wear ring: Brass Impeller: Cast iron EN-GJL-250 ASTM class 30 Shaft: Stainless steel EN 1,4301 Als 304		
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Product No: 99104685 EAN number: 5712606839780 Price: 2.794,00 GBP Technical: Pump speed on which pump data are based: 19.91 m Actual impeller diameter: 139 mm Nominal impeller diameter: 160 mm Shaft seal arrangement: Single Shaft diameter: 1809906:2012 3B Pump version: A Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 AlSI 304 Material code: A Code for rubber: E Installation: BAXimum ambient temperature: 50 °C Maximum ambient temperature: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 32 Pressure rating for pipe connection: PN 16 Pump housing with feet: Y Support block: N Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: IE Efficiency class: IE5 P2: 2.2 kW Mains frequency: 50 Hz Rated speed: 30.4000 rpm Efficiency: 90.1% Motor efficiency at full load: Enclosure class (IEC 34-5): IP55 Insulation class (IEC 38-5): IP55 Insulation class (IEC 38-5)	Product name:	
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Price: 2.794,00 GBP Technical: 2901 rpm Pump speed on which pump data are based: 2901 rpm Rated flow: 23.1 m³/h Rated head: 19.91 m Actual impeller diameter: 180 mm Nominal impeller diameter: 160 mm Shaft seal arrangement: Single Shaft diameter: 24 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Pump version: A Materials: War ring: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200 ASTM class 30 Shaft: Stainless steel Installation: Brass <td< td=""><td></td><td></td></td<>		
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Nominal impeller diameter:	Rated head:	19.91 m
Shaft seal arrangement: Single Shaft diameter: 24 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Pump version: A Materials: ENGJL-250 Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 A ACode for rubber: E Installation: Material code: Maximum ambient temperature: 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 50 Size of outlet connection: DN 50	Actual impeller diameter:	139 mm
Shaft diameter: 24 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Pump version: A Materials: EN-GJL-250 Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1,4301 AISI 304 Material code: A Code for rubber: E Installation: E Maximum ambient temperature: 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for pipe connection: PN 16 Pump housing with feet: Y Support block: N Connect code: F2 Liquid: Water Pumped liquid: Water Liquid tempe	Nominal impeller diameter:	160 mm
Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Pump version: A Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200 ASTM class 30 Shaft: Stainless steel EN 1.4301 ASTM class 30 Shaft: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: E Installation: Image: Code of rubber: Maximum ambient temperature: 50 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 50 Size of outlet connection: DN 50 Size of outlet connection: DN 32 Pressure rating for pipe connection: PN 16 Pump housing with feet: Y Support block: N Connect code: F2 Liquid:	Shaft seal arrangement:	Single
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AISI 304 Material code: Code for rubber: Installation: Maximum ambient temperature: Maximum operating pressure: Pipe connection standard: Size of inlet connection: DN 50 Size of outlet connection: PN 16 Pump housing with feet: Y Support block: N Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: Selected liquid temperature: Desity at selected liquid temperature: P2: C2 kW Mains frequency: Rated voltage: Rated voltage: Rated speed: Efficiency at full load: Cancel liquid: Selected liquid load: Cos phi - power factor: Cos pon. 1% Mater Lipus Selected liquid load: Cos pon. 20 % C Connect code: Density at selected liquid temperature: Desity at selected	Shaft:	
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Size of outlet connection: Pressure rating for pipe connection: Pump housing with feet: Support block: Connect code: F2 Liquid: Pumped liquid: Vater Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: 998.2 kg/m³ Electrical data: IE Efficiency class: IE Efficiency: Saled voltage: P2: Support block: N Water Vater	·	
Pressure rating for pipe connection: Pump housing with feet: Y Support block: Connect code: F2 Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: 998.2 kg/m³ Electrical data: IE Efficiency class: IE Efficiency class: P2: A 3 x 380-500 V Rated current: A 15-3.40 A Cos phi - power factor: Rated speed: Selected liquid load: B 50 Hz Rated speed: B 60-4000 rpm Efficiency: Motor efficiency at full load: Enclosure class (IEC 34-5): Insulation class (IEC 85):		* *
Pump housing with feet: Support block: Connect code: F2 Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Electrical data: IE Efficiency class: P2: Mains frequency: Rated voltage: Rated current: Cos phi - power factor: Rated speed: Efficiency at full load: Enclosure class (IEC 85): F2 N N Water Water 20 °C 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: IE 5 P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V Rated current: 4.15-3.40 A Cos phi - power factor: 90.93-0.87 Rated speed: Benclosure class (IEC 34-5): IP55 Insulation class (IEC 85):		
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Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: IE Efficiency class: IE5 P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V Rated current: 4.15-3.40 A Cos phi - power factor: 0.93-0.87 Rated speed: 360-4000 rpm Efficiency: 90.1% Motor efficiency at full load: 90.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F		•
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Rated speed: 360-4000 rpm Efficiency: 90.1% Motor efficiency at full load: 90.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F	Rated current:	4.15-3.40 A
Efficiency: 90.1% Motor efficiency at full load: 90.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F	Cos phi - power factor:	0.93-0.87
Motor efficiency at full load: 90.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F	Rated speed:	360-4000 rpm
Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F	Efficiency:	90.1%
Insulation class (IEC 85):		90.1 %
	Enclosure class (IEC 34-5):	IP55
Motor protec: YES	Insulation class (IEC 85):	F
	Motor protec:	YES





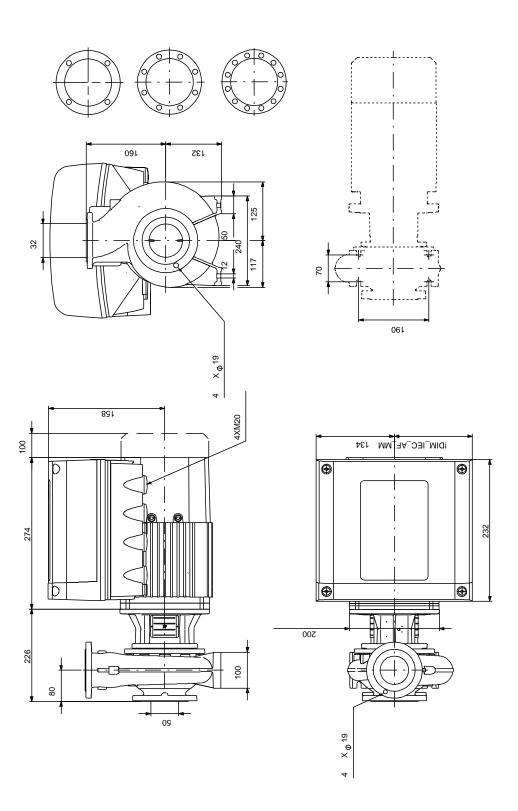
Date: 10/05/2019

Description	Value
Motor No:	98719485
Mount. design. acc. IEC 34-7:	IM V1/B5
Controls:	
Control panel:	HMI300 - Graphical
Function Module:	FM300 - Advanced
Frequency converter:	Built-in
Others:	
Minimum efficiency index, MEI ≥:	0.59
Net weight:	42 kg
Gross weight:	52 kg
Shipping volume:	0.134 m³
Country of origin:	HU
Custom tariff no.:	84137051



Date: 10/05/2019

99104685 NBE 32-160/139AF2ABQQE 50 Hz

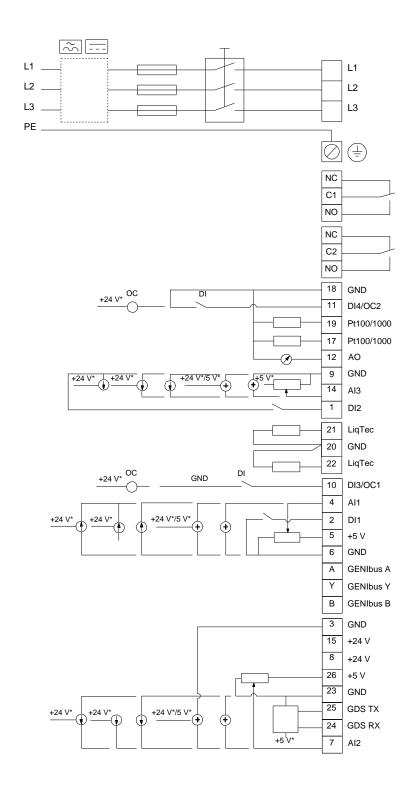


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 10/05/2019

99104685 NBE 32-160/139AF2ABQQE 50 Hz



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