

Created by: Phone:

Date: 15/08/2022

Qty. | Description

1 NB 65-125/130 AAF2AESBQQEFW3



Product No.: 98727894

Non-self-priming, single-stage, centrifugal volute pump designed according to ISO 5199 with dimensions and rated performance according to EN 733 (10 bar).

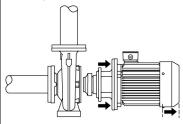
Flanges are PN 16 with dimensions according to EN 1092-2. The pump has an axial suction port, radial discharge port, horizontal shaft and a back pull-out design enabling removal of the motor, motor stool, cover and impeller without disturbing the pump housing or pipework.

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

The pump is close-coupled to a fan-cooled asynchronous motor.

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.

The back pull-out design means that the pump can be serviced by a single person without disturbing the pump housing or pipes.



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.

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.

Motor stool and pump cover are made of cast iron (EN-GJL-250). Coupling guards are fitted to the motor stool. The pump cover is provided with a manual air vent screw for venting of the pump housing and the shaft seal chamber.

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.

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 pump housing has feet.

Motor



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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 does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I1/1).

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: NONE 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: 1450 rpm

Rated flow: 56 m³/h
Rated head: 3.9 m
Actual impeller diameter: 130 mm
Nominal impeller diameter: 125
Shaft seal arrangement: Single
Code for shaft seal: BQQE

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:

55 °C t max amb: Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 **DN 80** Size of inlet connection: Size of outlet connection: **DN 65** Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes



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1 Support block (Yes/No): N

Electrical data:

Motor type: SIEMENS
IE Efficiency class: IE3
Rated power - P2: 0.75 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 220-240D/380-420Y V

Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm Efficiency: IE3 82,5% Motor efficiency at full load: 82.5-82.5 % Motor efficiency at 3/4 load: 82.3-82.3 % Motor efficiency at 1/2 load: 79.3-79.3 %

Number of poles: 4
Enclosure class (IEC 34-5): IP55
Insulation class (IEC 85): F

Motor No: 83V02204

Bearing insulation type N-end: N

Others:

Minimum efficiency index, MEI ≥: 0.70

Net weight: 46 kg

Gross weight: 56 kg

Shipping volume: 0.178 m³

Danish VVS No.: 386063129

Country of origin: HU

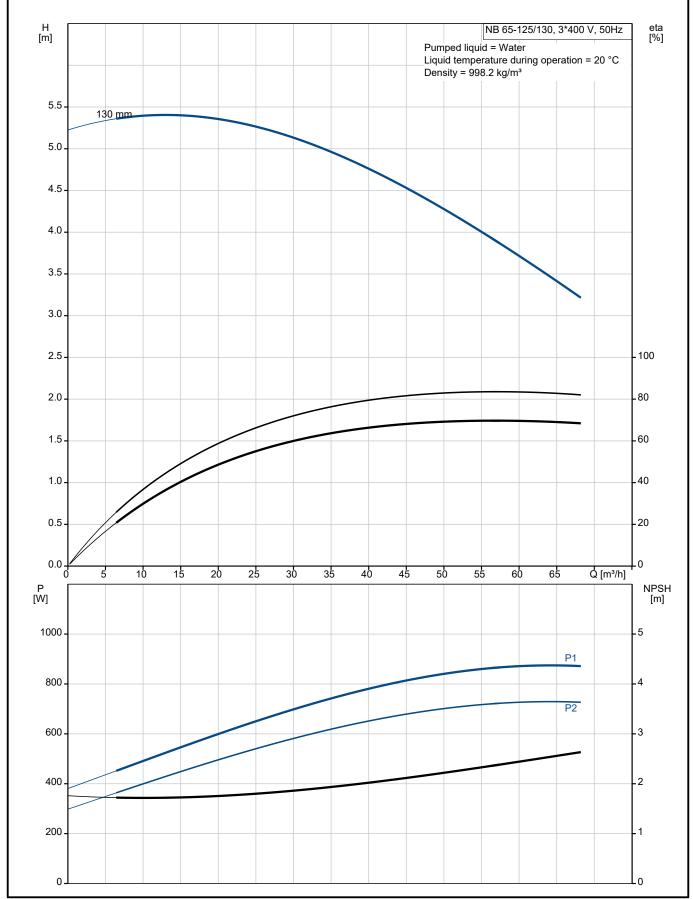
Custom tariff no.: 84137051



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98727894 NB 65-125/130 AAF2AESBQQEFW3 50 Hz

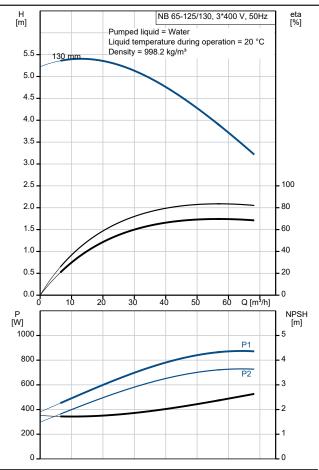


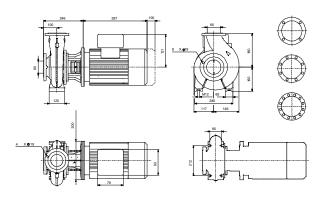


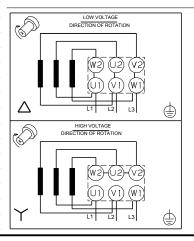
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Description Value General information: NB 65-125/130 AAF2AESBQQEFW3 Product name: NB 65-125/130 AAF2AESBQQEFW3 Product No: 98727894 EAN number: 5712600554658 Technical: 1450 rpm Pump speed on which pump data are based: 1450 rpm Rated flow: 56 m³/h Rated head: 3.9 m Actual impeller diameter: 130 mm Nominal impeller diameter: 125 Shaft seal arrangement: Single Shaft seal arrangement: Single Shaft diameter: 24 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Pump version: A Bearing design: Standard Materials: Warning: 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: <th></th> <th></th>				
Product name: NB 65-125/130 AAF2AESBQQEFW3 Product No: 98727894 EAN number: 5712600554658 Technical: 5712600554658 Pump speed on which pump data are based: 1450 rpm Rated flow: 56 m³/h Rated head: 3.9 m Actual impeller diameter: 125 Shaft seal arrangement: Single Shaft diameter: 24 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Pump version: A Bearing design: At address Materials: Vump housing: 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 Shaft: Stainless steel Shaft: As 33 30 Installation: Installation:		Value		
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Shaft seal arrangement: Single Shaft diameter: 24 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B2 Pump version: A Bearing design: Standard Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: Brass Impeller: Cast iron 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: BN 1.4301 Shaft: EN 1.4301 Shaft: BN 1.9304 Installation: Imax amb: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 80 Size of outlet connection: DN 65 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): N Connect code: F2 Liquid: Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated speed: 1450 rpm	Actual impeller diameter:	130 mm		
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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: It max amb: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 80 Size of outlet connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): N Connect code: F2 Liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm		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: AISI 304 Installation: I max amb: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 80 Size of outlet connection: DN 65 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): N Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm				
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Material code: Code for rubber: E Shaft: Shaft: Stainless steel Shaft: AISI 304 Installation: It max amb: Maximum operating pressure: Pipe connection standard: Size of inlet connection: Pressure rating for connection: Pressure rating for connection: Pump housing with feet: Pump housing with feet: Yes Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: Selected liquid temperature: Do °C Density: Pestimate SIEMENS IE Efficiency class: Rated power - P2: Rated voltage: Rated voltage: Rated speed: A A A A A B A B B B B B Stainless steel S	•			
Code for rubber: Shaft: Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: I max amb: Maximum operating pressure: Pipe connection standard: Size of inlet connection: DN 80 Size of outlet connection: PN 16 Bearing lubrication: Pump housing with feet: Yes Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: Pescale SIEMENS IE Efficiency class: IE3 Rated power - P2: Cos Plate Starting current: Starting current: Cos phi - power factor:				
Shaft: Stainless steel Shaft: EN 1.4301 Shaft: AISI 304 Installation: The max amb: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 80 Size of outlet connection: DN 65 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): N Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm				
Shaft: AISI 304 Installation: t max amb: 55 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Size of inlet connection: DN 80 Size of outlet connection: DN 65 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): N Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm		_		
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t max amb: Maximum operating pressure: Pipe connection standard: Size of inlet connection: DN 80 Size of outlet connection: Pressure rating for connection: PN 16 Bearing lubrication: Pump housing with feet: Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Uiquid temperature range: Liquid temperature range: Density: Pescalected liquid temperature: Density: Piectrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: 10 N 80 Size of outlet connection: DN 80 Size of outlet connection: PN 16 Sea outlet connection: DN 80 Size of outlet connection: PN 16 Sea outlet connection: PN 16 Size of outlet connection: P		AIOI 304		
Maximum operating pressure: Pipe connection standard: EN 1092-2 Size of inlet connection: DN 80 Size of outlet connection: Pressure rating for connection: PN 16 Bearing lubrication: Pump housing with feet: Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density: Pest SIEMENS IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated voltage: Sieve		55 °C		
Pipe connection standard: EN 1092-2 Size of inlet connection: DN 80 Size of outlet connection: DN 65 Pressure rating for connection: PN 16 Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): N Connect code: F2 Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm				
Size of inlet connection: Size of outlet connection: DN 65 Pressure rating for connection: PN 16 Bearing lubrication: Pump housing with feet: Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density: Pessive yes SIEMENS IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Starting current: Cos phi - power factor: DN 80 N 65 PN 16 Bu 65 PN 16 Srease PN 16 Srease Yes Yes Support block (Yes/No): N Vater Liquid: Pumped liquid: Water Liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: IE 3 Rated power - P2: 0.75 kW Mains frequency: So Hz Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed:		EN 1092-2		
Size of outlet connection: Pressure rating for connection: Bearing lubrication: Pump housing with feet: Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density: Selectrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Starting current: Cos phi - power factor: PN 16 PN 16 PN 16 PN 16 By 16 Srease PN 16 Srease PN 16 Srease Yes Yes N Support block (Yes/No): N Vater Liquid: Vater E2 C2 C2 C3 C3 C3 C4 C4 C5 C5 C4 C5 C5 C5 C6 C7 C7 C7 C7 C7 C7 C7 C7 C7	•			
Bearing lubrication: Pump housing with feet: Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: IE Efficiency class: Rated power - P2: O.75 kW Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Grease Yes Yes N Sum N N N Starting current: Grease Yes Yes N N N N N N N N Starting current: O.75 Rated speed:		DN 65		
Bearing lubrication: Pump housing with feet: Support block (Yes/No): Connect code: F2 Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: IE Efficiency class: Rated power - P2: O.75 kW Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Support Nate of Service And Ser	Pressure rating for connection:	PN 16		
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Support block (Yes/No): N Connect code: F2 Liquid: Water Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	_	Yes		
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Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	Connect code:	F2		
Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	Liquid:			
Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	Pumped liquid:	Water		
Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	Liquid temperature range:	-25 120 °C		
Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	Selected liquid temperature:	20 °C		
Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	Density:	998.2 kg/m³		
IE Efficiency class: IE3 Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	Electrical data:			
Rated power - P2: 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm		SIEMENS		
Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm		IE3		
Rated voltage: 3 x 220-240D/380-420Y V Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	•	0.75 kW		
Rated current: 3.05/1.75 A Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm		50 Hz		
Starting current: 710-710 % Cos phi - power factor: 0.75 Rated speed: 1450 rpm	_	3 x 220-240D/380-420Y V		
Cos phi - power factor: 0.75 Rated speed: 1450 rpm		3.05/1.75 A		
Rated speed: 1450 rpm	S .	710-710 %		
·				
Efficiency: IE3 82 5%	•	•		
Lilloleticy. IES 02,5 /0	Efficiency:	IE3 82,5%		









Created by: Phone:

Date: 15/08/2022

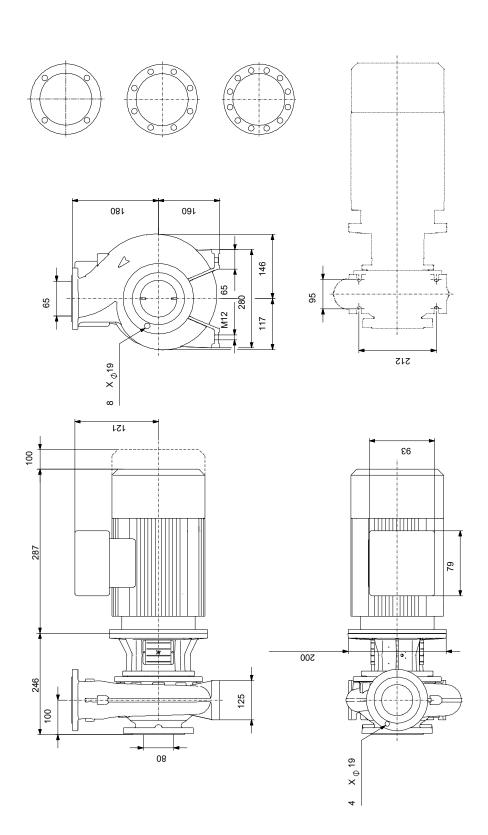
Description	Value
Motor efficiency at full load:	82.5-82.5 %
Motor efficiency at 3/4 load:	82.3-82.3 %
Motor efficiency at 1/2 load:	79.3-79.3 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Motor No:	83V02204
Mount. design. acc. IEC 34-7:	IM V1
Bearing insulation type N-end:	N
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	46 kg
Gross weight:	56 kg
Shipping volume:	0.178 m³
Danish VVS No.:	386063129
Country of origin:	HU
Custom tariff no.:	84137051



Created by: Phone:

15/08/2022 Date:

98727894 NB 65-125/130 AAF2AESBQQEFW3 50 Hz



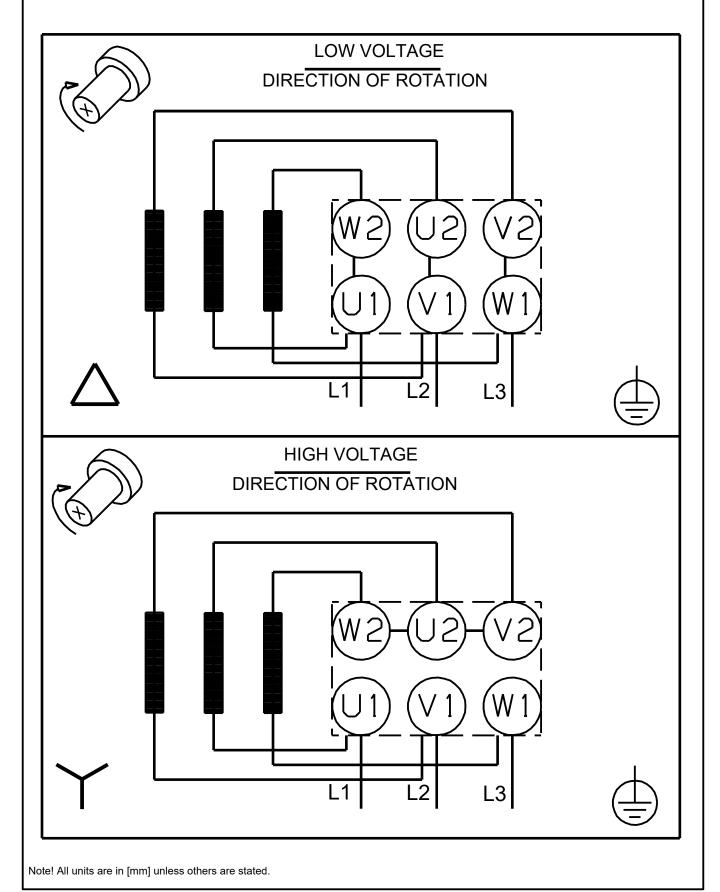
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Created by: Phone:

Date: 15/08/2022

98727894 NB 65-125/130 AAF2AESBQQEFW3 50 Hz





Created by: Phone:

Date: 15/08/2022

Order Data:

Position	Your pos.	Product name	Amount	Product No	Total
		NB 65-125/130	1	98727894	Price on request
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