

Date:

23/12/2022

Qty. Description 1 NB 32-125/115 AAF2AESBQQECW3 Note! Product picture may differ from actual product Product No.: 98987645 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 Motor stool and pump cover are made of cast iron (EN-GJL-250). Coupling guards are fitted to the motor stool. The pump is fitted with an unbalanced rubber bellows seal with torgue 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

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 IE2 in accordance with IEC 60034-30.

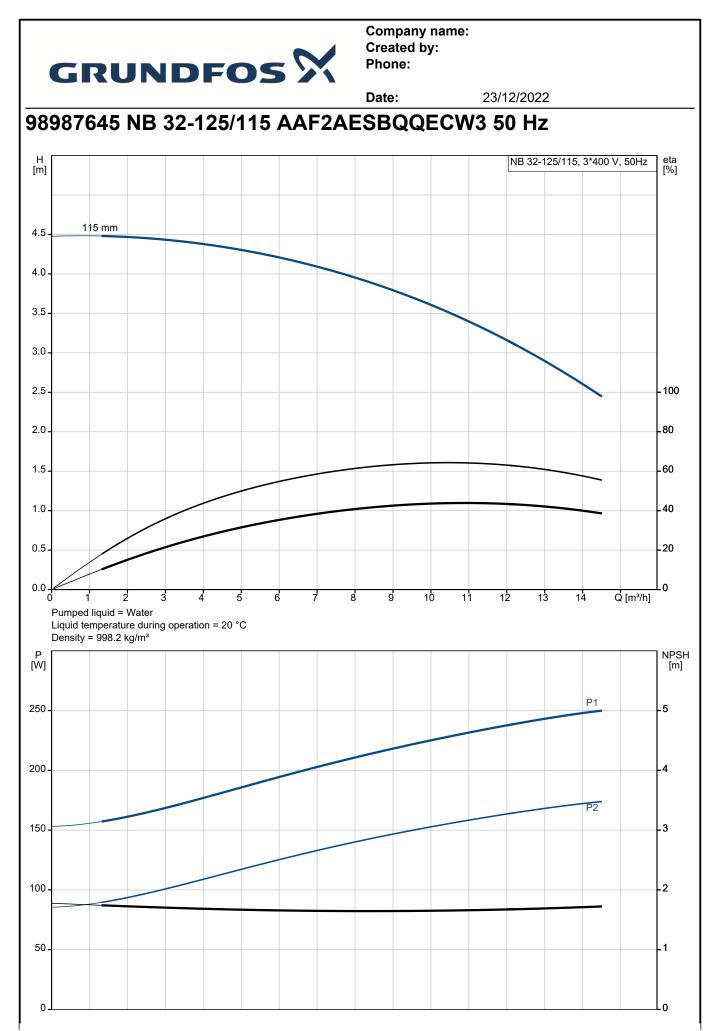
Date:

23/12/2022

_		Date: 23/12/2022			
Qty.	Description				
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:				
		NONE			
	Frequency converter: Pressure sensor:	NONE N			
	Liquid:				
	Pumped liquid:	Water			
	Liquid temperature range:	-25 120 °C			
	Selected liquid temperature:	20 °C			
	Density:	998.2 kg/m <sup>3</sup>			
	Technical:				
	Pump speed on which pump dat	a are based: 1420 rpm			
	Rated flow:	10.67 m <sup>3</sup> /h			
	Rated head:	3.261 m			
	Actual impeller diameter:	115 mm			
	Nominal impeller diameter:	125			
	Shaft seal arrangement:				
	•				
	Code for shaft seal:	BQQE			
	Curve tolerance: Bearing design:	ISO9906:2012 3B2 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:				
	Max. ambient temperature:	40 °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 connection:	PN 16			
	Bearing lubrication:	Grease			
	Pump housing with feet:	Yes			
	Support block (Yes/No):	N			
	Electrical data:				



Motor type:71AIE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated voltage:3 x 220-240D/380-415Y VRated current:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.4-70.0 %Motor efficiency at 3/4 load:72.6 %Motor efficiency at 1/2 load:68.3 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³	Motor type:71AIE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.4-70.0 %Motor efficiency at 3/4 load:72.6 %Motor efficiency at 1/2 load:68.3 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kg	Motor type:71AIE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.6 %Motor efficiency at 1/2 load:68.3 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 35):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Motor type:71AIE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated outrent:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.6 %Motor efficiency at 1/2 load:68.3 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 35):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU		DS Phone: Date:	23/12/2022
IE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage: $3 \times 220-240D/380-415Y V$ Rated current:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.6 %Motor efficiency at 3/4 load:72.6 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:	IE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.4-70.0 %Motor efficiency at 3/4 load:72.6 %Motor efficiency at 1/2 load:68.3 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	IE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.4-70.0 %Motor efficiency at 3/4 load:72.6 %Motor efficiency at 1/2 load:68.3 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	IE Efficiency class:IE2Rated power - P2:0.25 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:1,30-1,42/0,75-0,82 AStarting current:410 %Cos phi - power factor:0.73-0.64Rated speed:1410-1430 rpmEfficiency:IE2 72,4% - IE2 70,0%Motor efficiency at full load:72.4-70.0 %Motor efficiency at 3/4 load:72.6 %Motor efficiency at 1/2 load:68.3 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:0.70Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Description		
Motor efficiency at 1/2 load: $68.3 \%$ Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³	Motor efficiency at 1/2 load: $68.3 \%$ Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:Others:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Motor efficiency at 1/2 load: $68.3 \%$ Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Motor efficiency at 1/2 load: $68.3 \%$ Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:99928169Bearing insulation type N-end:STEEL BEARINGOthers:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency:	IE2 0.25 kW 50 Hz 3 x 220-240D/380-415Y V 1,30-1,42/0,75-0,82 A 410 % 0.73-0.64 1410-1430 rpm IE2 72,4% - IE2 70,0%	
Others:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³	Others:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Others:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Others:Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	68.3 % 4 55 Dust/Jetting F 99928169	
Minimum efficiency index, MEI ≥:0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³	Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Minimum efficiency index, MEI $\geq$ :0.70Net weight:29 kgGross weight:39 kgShipping volume:0.134 m³Danish VVS No.:386060128Country of origin:HU	Bearing insulation type N-end:	STEEL BEARING	
Country of origin: HU	Custom tariff no.: 84137051	Custom tariff no.: 84137051	Custom tariff no.: 84137051	Minimum efficiency index, MEI ≥ Net weight: Gross weight: Shipping volume: Danish VVS No.: Country of origin:	29 kg 39 kg 0.134 m <sup>3</sup> 386060128 HU	





		Date:	23/12/2022
Description	Value	H [m]	NB 32-125/115, 3*400 V, 50Hz [%]
General information:			
Product name:	NB 32-125/115 AAF2AESBQQECW3	4.5 - 115 mm	
Product No:	98987645	4.0	
EAN number:	5712604745946	3.5 -	
Technical:	-	3.0 -	
Pump speed on which pump data a based:	are 1420 rpm	2.5 -	-100
Rated flow:	10.67 m³/h	2.0	- 80
Rated head:	3.261 m		
Actual impeller diameter:	115 mm	1.5 -	60
Nominal impeller diameter:	125	1.0	40
Shaft seal arrangement:	Single		
Shaft diameter:	24 mm	0.5	20
Code for shaft seal:	BQQE	0.0	4 6 8 10 12 Q [m³/h]
Code for shaft seal: Curve tolerance:	ISO9906:2012 3B2	U 2	
		Pumped liquid = Liquid temperat	= Water ture during operation = 20 °C
Pump version:	A	Density = 998.2	2 kg/m³
Bearing design:	Standard	P [W]	NP3 [m
Materials:		[W] 250 -	P1 - 5
Pump housing:	Cast iron	2.30 -	5
Pump housing:	EN-GJL-250	200 -	4
Pump housing:	ASTM class 35		
Wear ring:	Brass	150	P2 - 3
Impeller:	Cast iron		
Impeller:	EN-GJL-200	100 -	2
Impeller:	ASTM class 30		
Internal pump house coating:	CED	50 -	<b>1</b>
Material code:	A	— I	
Code for rubber:	E	0	0
Shaft:	Stainless steel		
Shaft:	EN 1.4301		
Shaft:	AISI 304	80	
Installation:			
Max. ambient temperature:	40 °C		
	16 bar	s∐}	
Maximum operating pressure:			
Pipe connection standard:	EN 1092-2	100	190 50 100 50 100 100 100 100 100 100 100
Size of inlet connection:	DN 50	l	
Size of outlet connection:	DN 32	8	-1 <sup>70</sup> -
Pressure rating for connection:	PN 16	<u>4 × • 19</u> _ 5 to 1	
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		
Support block (Yes/No):	Ν	Ur H	
Connect code:	F2		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		HIGH VOLTAGE RECTION OF ROTATION
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m <sup>3</sup>		
Electrical data:	"9""		<u></u>
Motor type:	71A	_   🐂 斗	
	IE2		
IE Efficiency class:		≻ 8	
Rated power - P2:	0.25 kW		
Mains frequency:	50 Hz		LOW VOLTAGE RECTION OF ROTATION
Rated voltage:	3 x 220-240D/380-415Y V		
Rated current:	1,30-1,42/0,75-0,82 A		₩
Starting current:	410 %	ערייע   וי	<u>\$</u> € <u>+++</u> □
Cos phi - power factor:	0.73-0.64		
Rated speed:	1410-1430 rpm	— I (	<u></u> [
Efficiency:	IE2 72,4% - IE2 70,0%		

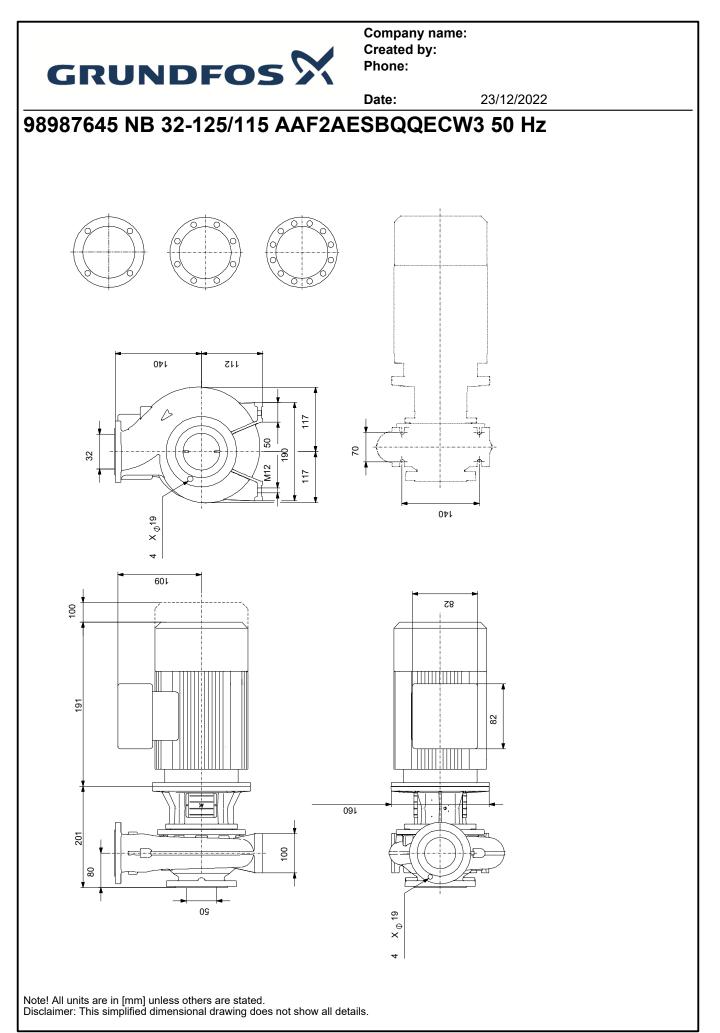
Printed from Grundfos Product Centre [2022.54.006]

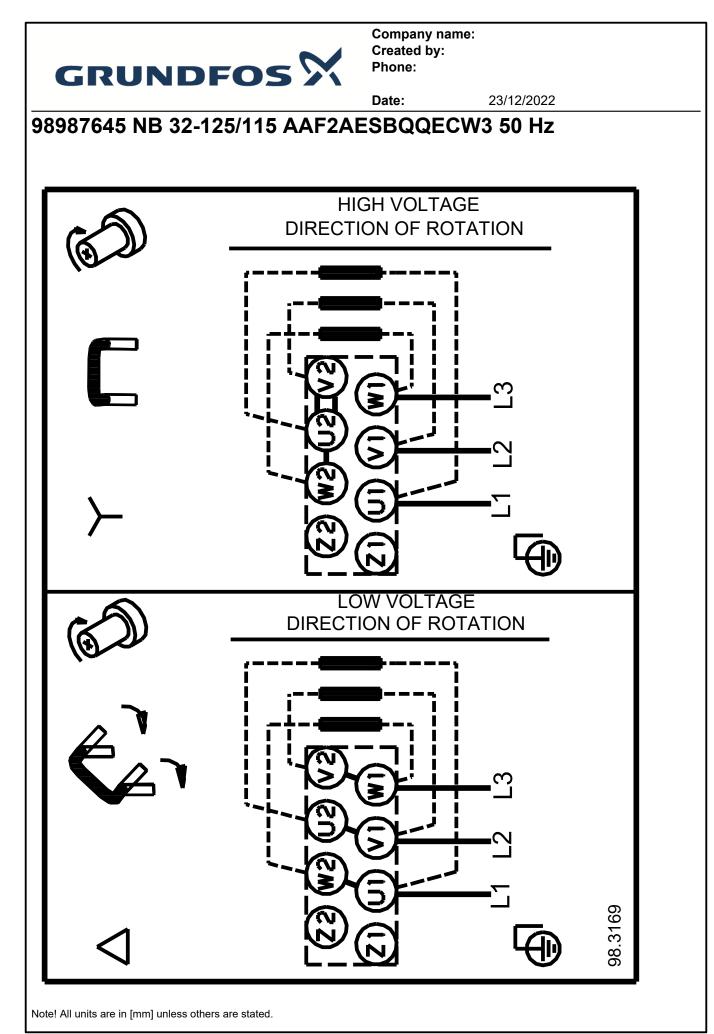


Date:

23/12/2022

Description	Value
Motor efficiency at full load:	72.4-70.0 %
Motor efficiency at 3/4 load:	72.6 %
Motor efficiency at 1/2 load:	68.3 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Motor No:	99928169
Mount. design. acc. IEC 34-7:	IM V1/B5
Bearing insulation type N-end:	STEEL BEARING
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	29 kg
Gross weight:	39 kg
Shipping volume:	0.134 m³
Danish VVS No.:	386060128
Country of origin:	HU
Custom tariff no.:	84137051







Your pos.

Position

Company name: Created by: Phone:

23/12/2022 Date: **Order Data:** Total **Product name** Amount | **Product No** 98987645 NB 32-125/115 1 Price on

		request