

23/12/2022

Qty. | Description

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### NB 32-160/173 AAF2AESBQQEFW3



#### Note! Product picture may differ from actual product

Product No.: 98978998

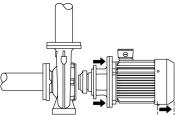
Non-self-priming, single-stage, centrifugal volute pump designed according to ISO 5199 with dimensions and rated performance according to EN 733 (10 bar).

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 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 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

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.

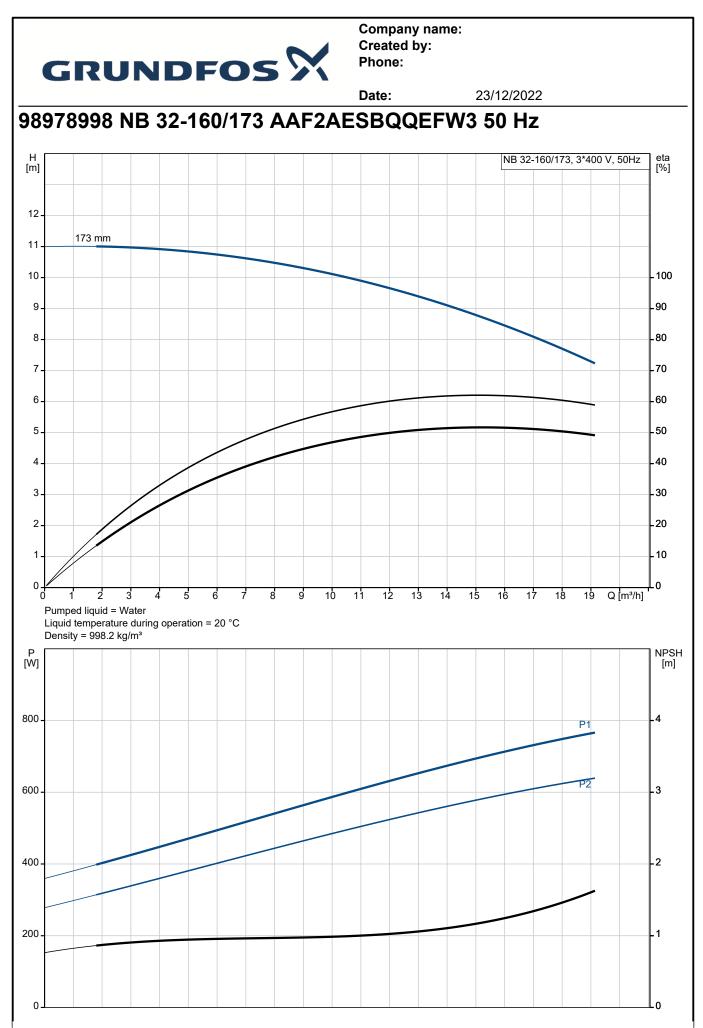
The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I1/1).



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•	Description				
	Further product details				
	Cast-iron parts have an epoxy-ba high-quality dip-painting process a thin, well-controlled layer on the	where an electrical fie	a cathod Id aroun	ic electro-de d the produ	eposition (CED) process. CED is a cts ensures deposition of paint particles a
	Technical data				
	Controls:				
	Frequency converter:	NONE			
1	Pressure sensor:	N			
	Liquid:				
l	Pumped liquid:	Water			
	Liquid temperature range:	-25 120 °C			
	Selected liquid temperature:	20 °C			
	Density:	998.2 kg/m³			
	Technical:				
l	Pump speed on which pump data	are based: 1450 rp	om		
l	Rated flow:	15 m³/h			
	Rated head:	8.6 m			
	Actual impeller diameter:	173 mm			
	Nominal impeller diameter:	160			
	Shaft seal arrangement:	Single			
	Code for shaft seal:	BQQE			
	Curve tolerance:	ISO9906:2012 3B2			
	Bearing design:	Standard			
	Materials:				
	Pump housing:	Cast iron			
	r amp nodoling.	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:	55 °C			
	Maximum operating pressure:	16 bar			
	Pipe connection standard:	EN 1092-2			
	Size of inlet connection:	DN 50			
	Size of outlet connection:	DN 32			
l	Pressure rating for connection:	PN 16			
	Bearing lubrication:	Grease			
	Pump housing with feet:	Yes			
	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/380-42	0Y V		
			- •		



		Date:	23/12/2022
Description			
Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Motor No:	82.3-82.3 % 79.3-79.3 % 4 IP55 F 83V02204		
Others: Minimum efficiency index, MEI ≥: Net weight: Gross weight: Shipping volume: Danish VVS No.: Country of origin:	0.65 39 kg 49 kg 0.134 m <sup>3</sup> 386060167 HU		
	Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 3/4 load: Motor efficiency at 3/4 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Motor No: Bearing insulation type N-end: Others: Minimum efficiency index, MEI ≥: Net weight: Gross weight: Shipping volume: Danish VVS No.: Country of origin:	Rated current: $3.05/1.75 \text{ A}$ Starting current: $710-710 \%$ Cos phi - power factor: $0.75$ Rated speed: $1450 \text{ rpm}$ 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:4Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No: $83V02204$ Bearing insulation type N-end:NOthers: $9 \text{ kg}$ Minimum efficiency index, MEI ≥: $0.65$ Net weight: $39 \text{ kg}$ Gross weight: $49 \text{ kg}$ Shipping volume: $0.134 \text{ m}^3$ Danish VVS No.: $386060167$ Country of origin:HU	DescriptionRated current: $3.05/1.75 \text{ A}$ Starting current: $710-710 \%$ Cos phi - power factor: $0.75$ Rated speed: $1450 \text{ rpm}$ Efficiency:IE3 82,5%Motor efficiency at full load: $82.5-82.5 \%$ Motor efficiency at $3/4 \text{ load}$ : $82.3-82.3 \%$ Motor efficiency at $1/2 \text{ load}$ : $79.3-79.3 \%$ Number of poles:4Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor No: $83V02204$ Bearing insulation type N-end:NOthers: $0.65$ Net weight: $39 \text{ kg}$ Gross weight: $49 \text{ kg}$ Shipping volume: $0.134 \text{ m}^3$ Danish VVS No.: $386060167$ Country of origin:HU





		Date: 23/12/2022	23/12/2022		
Description	Value	H [m] NB 32-160/173, 3*400	V, 50Hz [9		
General information:		12			
Product name:	NB 32-160/173 AAF2AESBQQEFW3	11 173 mm			
Product No:	98978998	10			
EAN number:	5712604604632	9-	- 9		
Technical:	-	8	- 80		
Pump speed on which pump data are pased:	1450 rpm	6-	- 70		
Rated flow:	15 m³/h	5	50		
Rated head:	8.6 m				
Actual impeller diameter:	173 mm		- 40		
Nominal impeller diameter:	160	3	- 30		
Shaft seal arrangement:	Single	2	- 20		
Shaft diameter:	24 mm				
Code for shaft seal:	24 mm BQQE		0 [m³/b]		
Code for shaft seal: Curve tolerance:	BQQE ISO9906:2012 3B2		Q [m³/h]		
Curve tolerance: Pump version:		Pumped liquid = Water Liquid temperature during operation = 20 °C			
	A	Density = $998.2 \text{ kg/m}^3$			
Bearing design:	Standard	P M	N		
Materials:	Continen				
Pump housing:	Cast iron	800 -	P1 4		
Pump housing:	EN-GJL-250				
Pump housing:	ASTM class 35	600	P2 - 3		
Wear ring:	Brass				
Impeller:	Cast iron	400 -	2		
Impeller:	EN-GJL-200		<b>/</b>		
mpeller:	ASTM class 30	200	1		
nternal pump house coating:	CED		Γ		
Material code:	A				
Code for rubber:	E	0	<b>∟</b> 0		
Shaft:	Stainless steel	<b></b>			
Shaft:	EN 1.4301	226 287 <b>H</b> <sup>100</sup> m-	$\langle \uparrow \rangle$		
Shaft:	AISI 304		((-+))		
nstallation:			× S		
Max. ambient temperature:	55 °C		6 to		
Maximum operating pressure:	16 bar		K S		
Pipe connection standard:	EN 1092-2				
Size of inlet connection:	DN 50				
Size of outlet connection:	DN 32	8	0000		
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	LOW VOLTAGE DIRECTION OF ROTATION			
Selected liquid temperature:	20 °C	LOW VOLTAGE DIRECTION OF ROTATION			
Density:	998.2 kg/m <sup>3</sup>				
Electrical data:	ing/111				
Motor type:	SIEMENS				
	IE3				
E Efficiency class:					
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%				

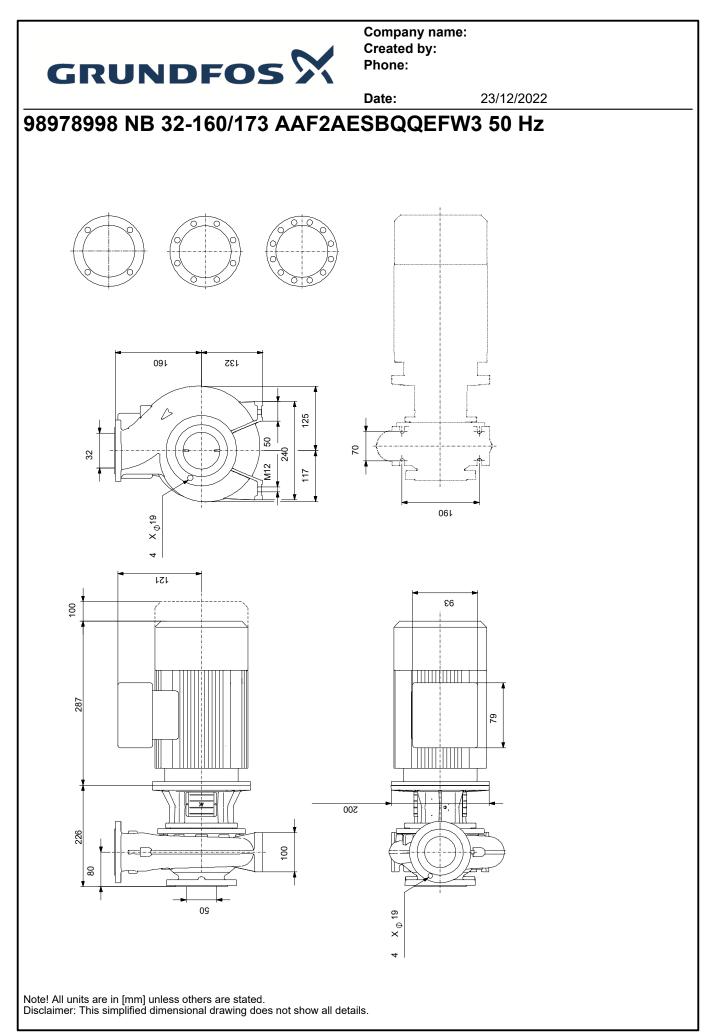
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Date:

23/12/2022

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 IP55 Enclosure class (IEC 34-5): Insulation class (IEC 85): F Built-in motor protection: NONE Motor No: 83V02204 Mount. design. acc. IEC 34-7: IM V1 Ν Bearing insulation type N-end: Controls: NONE Frequency converter: Ν Pressure sensor: Others: Minimum efficiency index, MEI ≥: 0.65 39 kg Net weight: Gross weight: 49 kg Shipping volume: 0.134 m<sup>3</sup> Danish VVS No.: 386060167 Country of origin: HU Custom tariff no .: 84137051

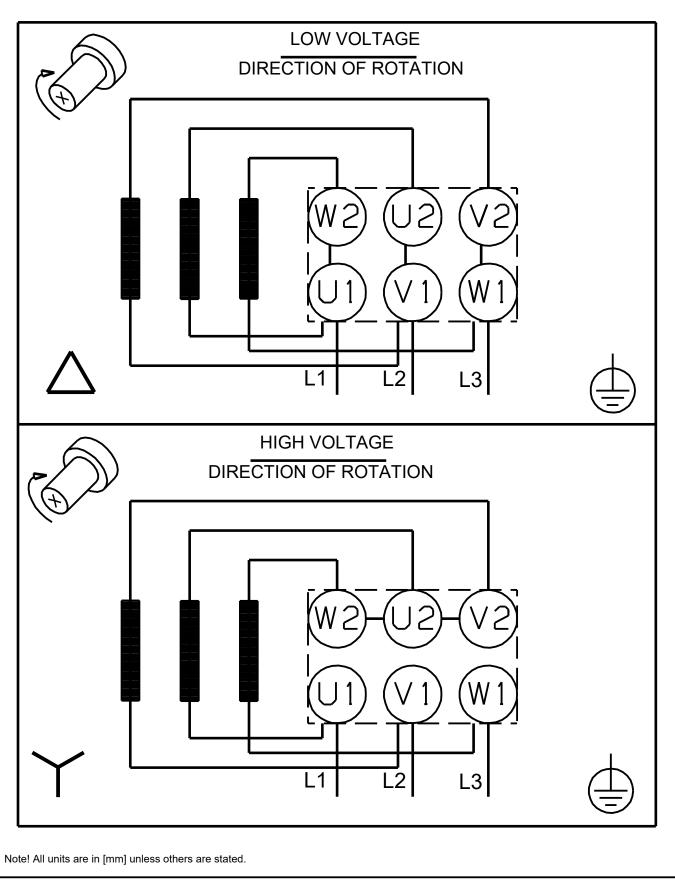




Date:

23/12/2022

# 98978998 NB 32-160/173 AAF2AESBQQEFW3 50 Hz





Your pos.

Position

Company name: Created by: Phone:

23/12/2022 Date: **Order Data:** Total **Product name** Amount **Product No** NB 32-160/173 1 98978998 Price on request

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