

Date:

02/01/2023

Qty. | Description

1 NB 125-200/196-182 BAF2AESBQQEIW5



Product No.: 98975647

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

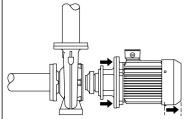
Flanges are PN 16 with dimensions according to EN 1092-2. The pump has an axial suction port, radial discharge port, horizontal shaft and a back pull-out design enabling removal of the motor, motor stool, cover and impeller without disturbing the pump housing or pipework.

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 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).

Date:

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Description	
	a variable speed drive for adjustment of pump performance to any duty point. variable speed drives. Please find more information in Grundfos Product Center.
Further product details	
	ased coating made in a cathodic electro-deposition (CED) process. CED is a where an electrical field around the products ensures deposition of paint particles as e surface.
Technical data	
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Liquid:	
Pumped liquid:	Water
l iguid temperature range:	-25 120 °C

Technical data

Description

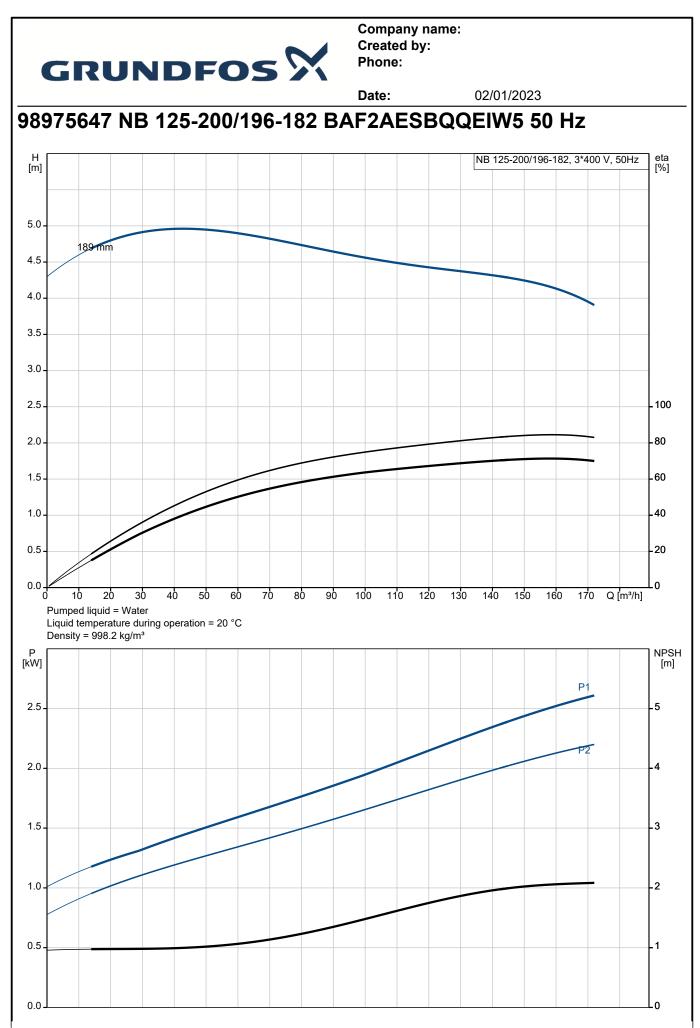
Qty. |

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Controls: Frequency converter: Pressure sensor:	NONE N
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -25 120 °C 20 °C 998.2 kg/m³
Technical: Pump speed on which pump data Rated flow: Rated head: Actual impeller diameter: Nominal impeller diameter: Shaft seal arrangement: Code for shaft seal: Curve tolerance: Bearing design:	are based: 970 rpm 152.3 m³/h 4.2 m 189 mm 200 Single BQQE ISO9906:2012 3B2 Standard
Materials: Pump housing: Wear ring: Impeller:	Cast iron EN-GJL-250 ASTM class 35 Brass Cast iron
Internal pump house coating: Shaft:	EN-GJL-200 ASTM class 30 CED Stainless steel EN 1.4301 AISI 304
Installation: t max amb: Maximum operating pressure: Pipe connection standard: Size of inlet connection: Size of outlet connection: Pressure rating for connection: Bearing lubrication: Pump housing with feet: Support block (Yes/No):	55 °C 16 bar EN 1092-2 DN 150 DN 125 PN 16 Grease Yes N
Electrical data: Motor type:	SIEMENS



			Date:	02/01/2023	
1	Description				
	IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed:	IE3 2.2 kW 50 Hz 3 x 220-240D/380-4 8.7/5 A 560-560 % 0.75 970 rpm	120Y V		
	Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5):	IE3 84,3% 84.3-84.3 % 85-85 % 83.9-83.9 % 6 IP55			
	Insulation class (IEC 85): Motor No: Bearing insulation type N-end:	F 83W02208 STEEL BEARING			
	Others: Minimum efficiency index, MEI ≥				
	Net weight: Gross weight: Shipping volume: Danish VVS No.: Country of origin:	142 kg 160 kg 0.383 m ³ 386066206 HU			
	Custom tariff no.:	84137051			





		Date:	02/01/2023		
Description	Value	H [m]	NB 125-200/196-182, 3*400 V, 50Hz	eta [%]	
General information:				_	
Product name:	NB 125-200/196-182 BAF2AESBQQEIW5	5.0 - 189 mm 4.5 -			
Product No:	98975647	4.0			
EAN number:	5712604546680				
Technical:		3.5 -			
Pump speed on which pump data are based:	970 rpm	3.0 -		100	
Rated flow:	152.3 m³/h				
Rated head:	4.2 m	2.0 -		- 80	
Actual impeller diameter:	189 mm	1.5		60	
Nominal impeller diameter:	200	1.0		40	
Shaft seal arrangement:	Single	0.5		20	
Shaft diameter:	32 mm				
Code for shaft seal:	BQQE	0.0	40 60 80 100 120 140 Q [m³/h		
Curve tolerance:	ISO9906:2012 3B2	Pumped liquid			
Pump version:	A	Liquid tempera	ature during operation = 20 °C		
Bearing design:	Standard	Density = 998.	.2 kg/m³		
Materials:		[kW]	P1	[m]	
Pump housing:	Cast iron	2.5 -		- 5	
Pump housing:	EN-GJL-250				
Pump housing:	ASTM class 35	2.0 -	P2	4	
Wear ring:	Brass				
Impeller:	Cast iron	1.5		- 3	
Impeller:	EN-GJL-200				
-		1.0		- ²	
Impeller:	ASTM class 30	0.5			
Internal pump house coating:	CED	0.5		'	
Material code:	A	0.0			
Code for rubber:	E				
Shaft:	Stainless steel				
Shaft:	EN 1.4301	363	<u>354</u> <u>140</u>	Te.	
Shaft:	AISI 304				
Installation:				+	
t max amb:	55 °C	₽		1)	
Maximum operating pressure:	16 bar			e la	
Pipe connection standard:	EN 1092-2	150		Te a	
Size of inlet connection:	DN 150			D)	
Size of outlet connection:	DN 125	58	+ ¹²⁰ +		
Pressure rating for connection:	PN 16				
Bearing lubrication:	Grease				
Pump housing with feet:	Yes				
Support block (Yes/No):	N	the second secon			
Connect code:	F2				
Liquid:					
Pumped liquid:	Water		-00007105		
Liquid temperature range:	-25 120 °C		LOW VOLTAGE CTION OF ROTATION		
Selected liquid temperature:	20 °C				
Density:	998.2 kg/m³				
Electrical data:					
Motor type:	SIEMENS				
IE Efficiency class:	IE3				
Rated power - P2:	2.2 kW				
Mains frequency:	50 Hz		GH VOLTAGE		
Rated voltage:	3 x 220-240D/380-420Y V				
Rated current:	8.7/5 A				
Starting current:	560-560 %		(m2)-(J2)-(J2)		
Cos phi - power factor:	0.75				
		──│ ┦┞┦			
Rated speed: Efficiency:	970 rpm IE3 84,3%				

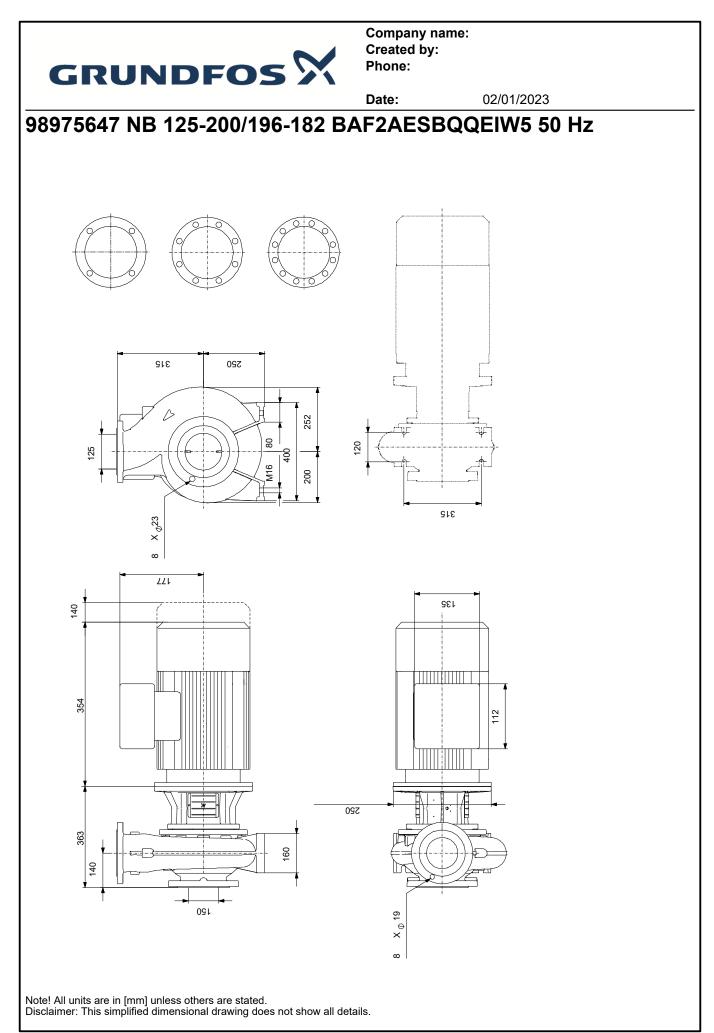
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Description	Value
Motor efficiency at full load:	84.3-84.3 %
Motor efficiency at 3/4 load:	85-85 %
Motor efficiency at 1/2 load:	83.9-83.9 %
Number of poles:	6
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Motor No:	83W02208
Mount. design. acc. IEC 34-7:	IM B5
Bearing insulation type N-end:	STEEL BEARING
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	142 kg
Gross weight:	160 kg
Shipping volume:	0.383 m³
Danish VVS No.:	386066206
Country of origin:	HU
Custom tariff no.:	84137051

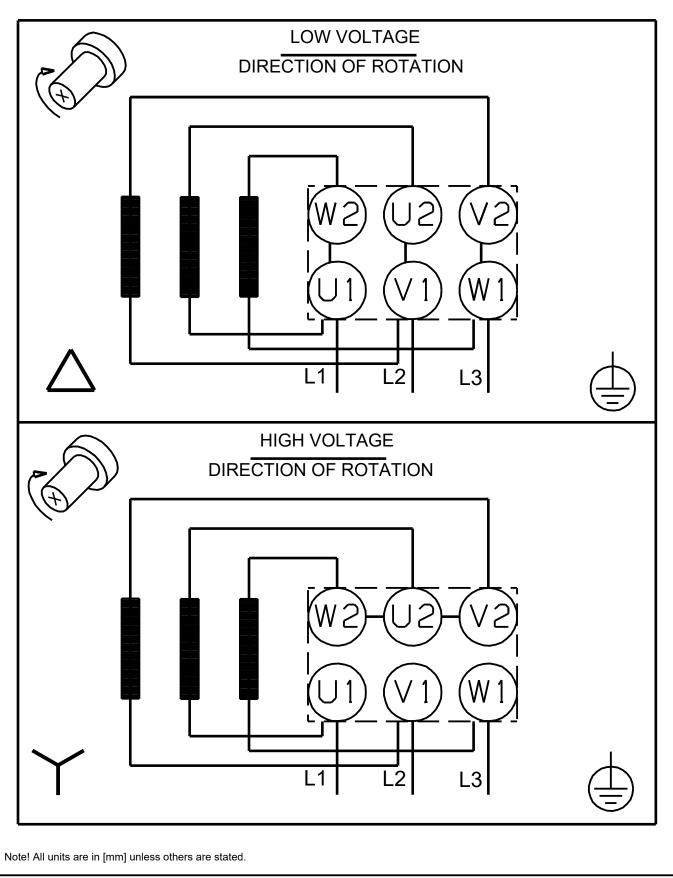




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98975647 NB 125-200/196-182 BAF2AESBQQEIW5 50 Hz





Position

Company name: Created by: Phone:

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