

23/12/2022

Qty. | Description

1

NB 32-160/154 AAF2AESBQQEDW3



Note! Product picture may differ from actual product

Product No.: 98987647

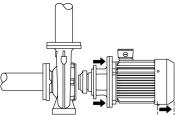
Non-self-priming, single-stage, centrifugal volute pump designed according to ISO 5199 with dimensions and rated performance according to EN 733 (10 bar).

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 IE2 in accordance with IEC 60034-30.

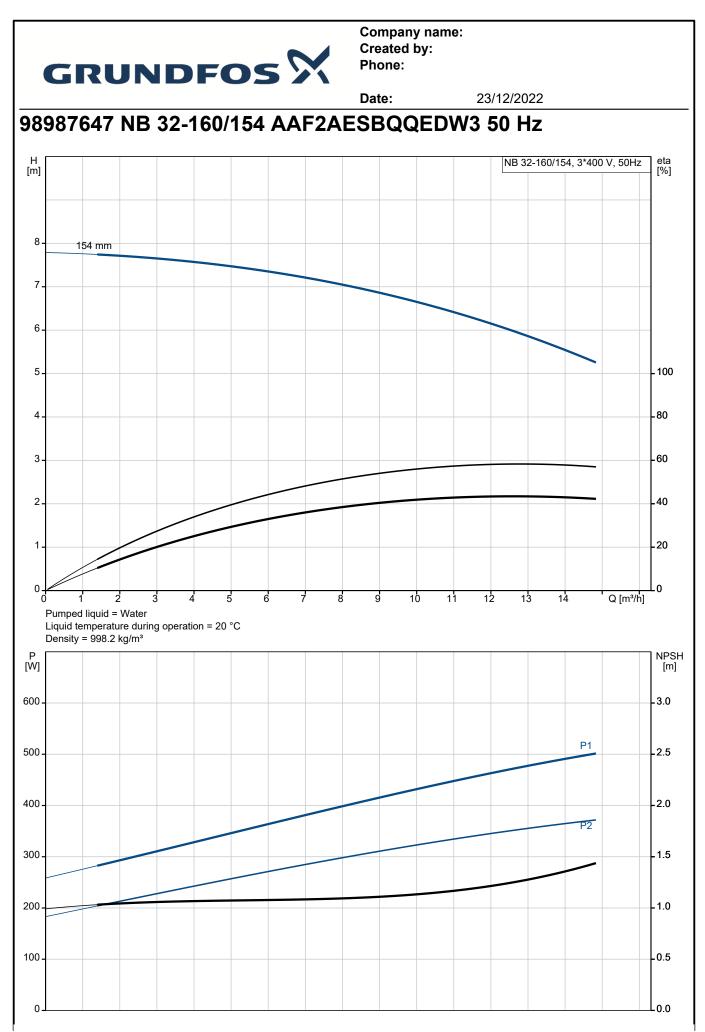
The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I1/1).



<i>'</i> .	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 cathodic e ld around th	lectro-depo le products	osition (CED) pro ensures deposi	ocess. CED is a ition of paint particles
	Technical data					
	Controls:					
	Frequency converter:	NONE				
	Pressure sensor:	N				
	Liquid					
	Liquid:	Matan				
	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: 1400 r	om			
	Rated flow:	12.55 m ³ /h				
	Rated head:	5.873 m				
	Actual impeller diameter:	154 mm				
	Nominal impeller diameter:	160				
	Shaft seal arrangement:	Single				
	Code for shaft seal:	BQQE				
	Curve tolerance:	ISO9906:2012 3B2				
	Bearing design:	Standard				
	Materials:					
		Continue				
	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				
	onan.	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:					
	Electrical data:	71B				
	Motor type:					
	IE Efficiency class:	IE2				
	Rated power - P2:	0.37 kW				
	Mains frequency: Rated voltage:	50 Hz				



			Date:	23/12/2022
ty.	Description			
1	Rated current:	1,80-1,83/1,04-1,06	A	
	Starting current:	390-430 %		
	Cos phi - power factor:	0.78-0.69		
	Rated speed:	1390-1410 rpm		
	Efficiency:	IE2 72,8% - IE2 73, ²	1%	
	Motor efficiency at full load:	72.8-73.1 %		
	Motor efficiency at 3/4 load:	75.6 %		
	Motor efficiency at 1/2 load:	73.8 %		
	Number of poles:	4		
	Enclosure class (IEC 34-5):	55 Dust/Jetting		
	Insulation class (IEC 85):	F		
	Motor No:	99957665		
	Bearing insulation type N-end:	STEEL BEARING		
	bearing insulation type re-end.			
	Others:			
	Minimum efficiency index, MEI ≥:			
	Net weight:	31 kg		
	Gross weight:	41 kg		
	Shipping volume:	0.134 m³		
	Danish VVS No.:	386060164		
	Country of origin:	HU		
	Custom tariff no.:	84137051		





Value NB 32-160/154 AAF2AESBQQEDW3 98987647 5712604745984 e 1400 rpm 12.55 m³/h 5.873 m 154 mm 160 Single 24 mm BQQE ISO9906:2012 3B2 A Standard Cast iron EN-GJL-250 ASTM class 35	7 - 6 - 5 - 4	L mm	8 10	32-160/154, 3*40	0 V, 50Hz	eta [%] - 100 - 80 - 60 - 40 - 20 - 0
NB 32-160/154 AAF2AESBQQEDW3 98987647 5712604745984 e 1400 rpm 12.55 m³/h 5.873 m 154 mm 160 Single 24 mm BQQE ISO9906:2012 3B2 A Standard Cast iron EN-GJL-250	8 154 7 6 - 5	d liquid = Water temperature during opera			Q [m ³ /h]	- 100 - 80 - 60 - 40
AAF2AESBQQEDW3 98987647 5712604745984 e 1400 rpm 12.55 m³/h 5.873 m 154 mm 160 Single 24 mm BQQE ISO9906:2012 3B2 A Standard Cast iron EN-GJL-250	7 6 5 4 3 2 1 0 0 0 Pumpe Liquid t Density P	d liquid = Water temperature during opera		0 12	Q [m ³ /h]	- 80 - 60 - 40
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24 mm BQQE ISO9906:2012 3B2 A Standard Cast iron EN-GJL-250	Pumpe Liquid t Density P [W]	d liquid = Water emperature during opera) 12	Q [m³/h]	20 0
BQQE ISO9906:2012 3B2 A Standard Cast iron EN-GJL-250	Pumpe Liquid t Density	d liquid = Water emperature during opera) 12	Q [m³/h]	Lo
ISO9906:2012 3B2 A Standard Cast iron EN-GJL-250	Pumpe Liquid t Density	d liquid = Water emperature during opera) 12	Q [m³/h]	-
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Standard Cast iron EN-GJL-250	P [W]		ation = 20 °C			
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EN-GJL-250						NPS
EN-GJL-250	500					[m]
	500 -					Г
ASTM class 35					P1	- 2.5
	—					
Brass	400 -					- 2.0
Cast iron	300 -				P2	1.5
EN-GJL-200						
	200					- 1.0
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3 x 220-240D/380-415Y V						
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1390-1410 rpm		`` ` @ <u>`</u>				
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	Brass Cast iron EN-GJL-200 ASTM class 30 CED A E Stainless steel EN 1.4301 AISI 304 40 °C 16 bar EN 1092-2 DN 50 DN 32 PN 16 Grease Yes N F2 Water -25 120 °C 20 °C 998.2 kg/m ³ 71B IE2 0.37 kW 50 Hz 3 x 220-240D/380-415Y V 1,80-1,83/1,04-1,06 A 390-430 % 0.78-0.69	ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30 CED A E Stainless steel EN 1.4301 AISI 304 $40 ^{\circ}C$ 16 bar EN 1092-2 DN 50 DN 32 PN 16 Grease Yes N F2 Water -25 120 $^{\circ}C$ 20 $^{\circ}C$ 998.2 kg/m ³ 71B IE2 0.37 kW 50 Hz 3 x 220-240D/380-415Y V 1,80-1,83/1,04-1,06 A 390-430 % 0.78-0.69 1390-1410 rpm	ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30 CED A E Stainless steel EN 1.4301 AISI 304 40 °C 16 bar EN 1092-2 DN 50 DN 32 PN 16 Grease Yes N F2 Water -25 120 °C 20 °C 998.2 kg/m ³ 71B IE2 0.37 kW 50 Hz 3 x 220-240D/380-415Y V 1,80-1,83/1,04-1,06 A 390-430 % 0.78-0.69 1390-1410 rpm	ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30 CED A E Stainless steel EN 1.4301 AlSI 304 40 °C 16 bar EN 1092-2 DN 50 DN 32 PN 16 Grease Yes N F2 Water -25 120 °C 20 °C 998.2 kg/m ³ 71B IE2 0.37 kW 50 Hz 3 x 220-240D/380-415Y V 1,80-1,83/1,04-1,06 A 390-430 % 0.78-0.69 1390.1410 rpm	ASTM class 35 Brass Cast iron EN-GJL-200 ASTM class 30 CED A E Stainless steel EN 1.4301 AISI 304 40 °C 16 bar EN 1092-2 DN 50 DN 32 PN 16 Grease Yes N F2 Water -25 120 °C 20 °C 998.2 kg/m ³ 71B IE2 0.37 kW 50 Hz 3 x 220-240D/380-415Y V 1.80-1.83/1,04-1.06 A 390-430 % 0.78-0.69 1390-1410 rpm	EN-GJL-250 500 ASTM class 35 400 Brass 400 Cast iron 200 ASTM class 30 200 CED 100 A 200 ASTM class 30 200 CED 100 A 200 Stainless steel 200 EN 1092-2 200 DN 50 200 DN 32 200 PN 16 Grease Grease 718 F2 200 °C Water -25 120 °C 20 °C 200 °C 998.2 kg/m³ 718 IE2 0.37 kW 50 Hz 3 x 220-240D/380-415 Y V 1,80-1,83/1,04-1,06 A 390-430 % 0.78-0.69 0.78-0.69

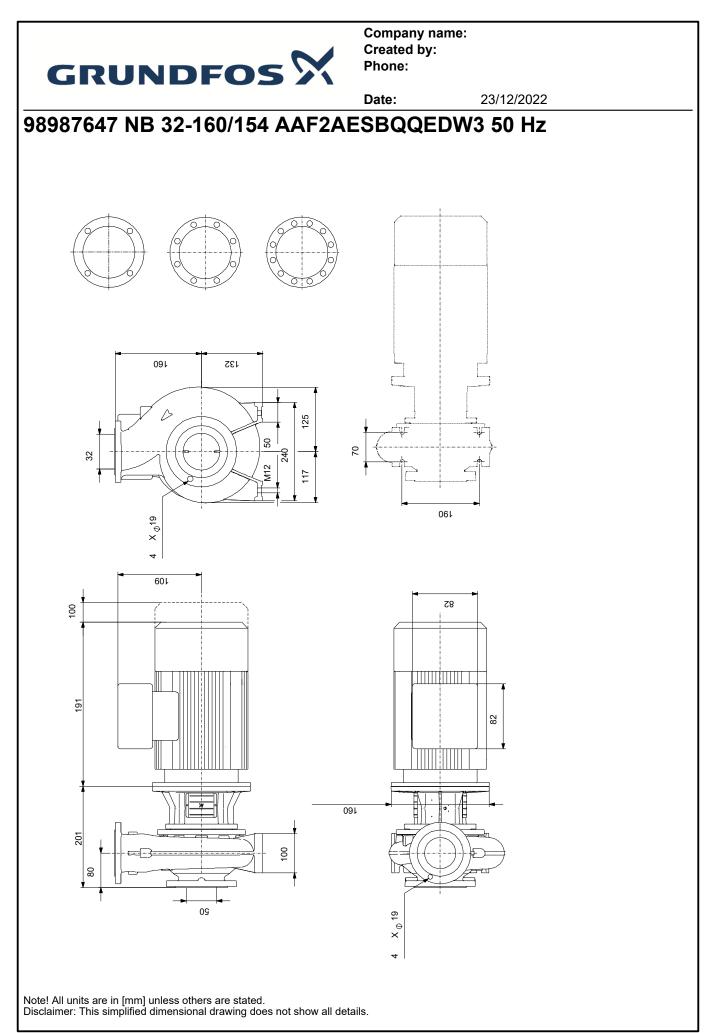
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Date:

23/12/2022

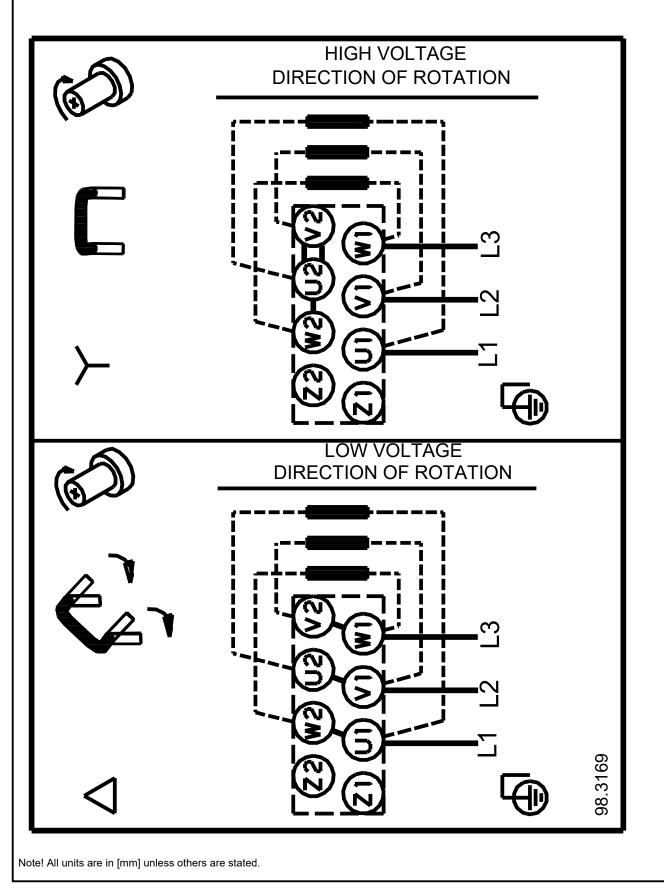
Description	Value
Motor efficiency at full load:	72.8-73.1 %
Motor efficiency at 3/4 load:	75.6 %
Motor efficiency at 1/2 load:	73.8 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Motor No:	99957665
Mount. design. acc. IEC 34-7:	IM V1/B5
Bearing insulation type N-end:	STEEL BEARING
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.65
Net weight:	31 kg
Gross weight:	41 kg
Shipping volume:	0.134 m³
Danish VVS No.:	386060164
Country of origin:	HU
Custom tariff no.:	84137051





23/12/2022

98987647 NB 32-160/154 AAF2AESBQQEDW3 50 Hz





Your pos.

Position

Company name: Created by: Phone:

Date: 23/12/2022 **Order Data:** Total **Product name** Amount **Product No** NB 32-160/154 98987647 1 Price on request

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