Qty. | Description

1 NBE 32-125/142 AASF2AESBQQEJWB



Note! Product picture may differ from actual product

Product No.: 99105451

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, permanent-magnet synchronous motor.

The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement.

Controls:

Frequency converter: Built-in 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: 2901 rpm

Rated flow: 28.01 m³/h
Rated head: 23.42 m
Actual impeller diameter: 142 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

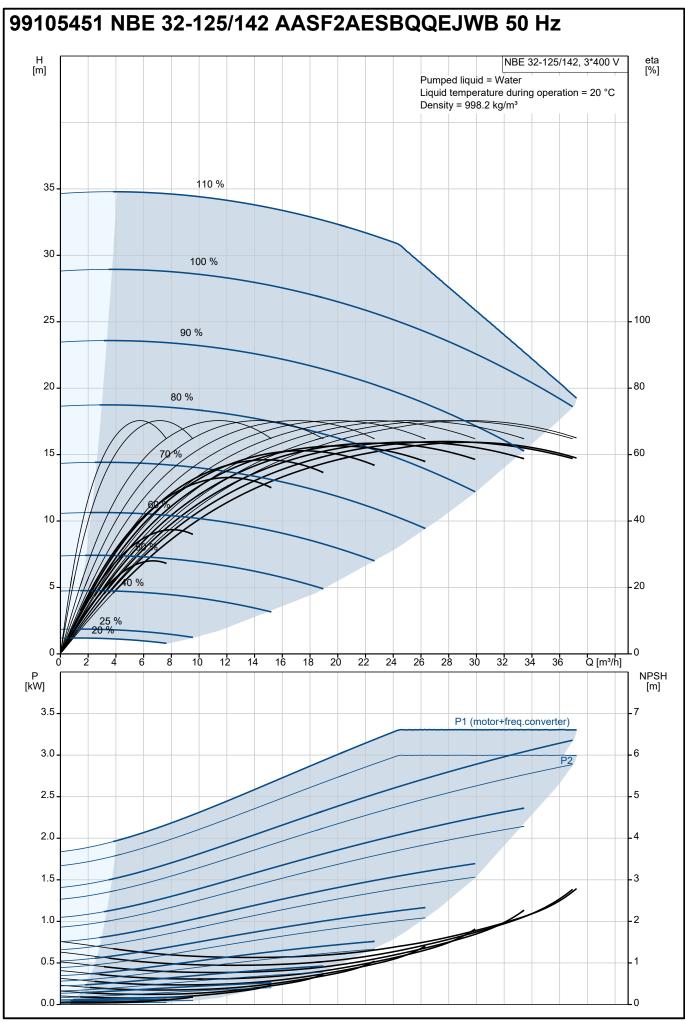
Shaft: Stainless steel

EN 1.4301 AISI 304

Installation:

Range of ambient temperature: -20 .. 50 °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

Qty. Description Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): Electrical data: IE5 IE Efficiency class: Rated power - P2: 3 kW 50 Hz Mains frequency: 3 x 380-500 V Rated voltage: Rated current: 5.80-4.80 A Cos phi - power factor: 0.91-0.86 Rated speed: 360-4000 rpm Efficiency: 90.7% Motor efficiency at full load: 90.7 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971269 Bearing insulation type N-end: STEEL BEARING Minimum efficiency index, MEI ≥: 0.70 Net weight: 53 kg Gross weight: 63 kg Shipping volume: 0.178 m³ Danish VVS No.: 386100129 Country of origin: HU Custom tariff no.: 84137051



Description	Value	H [m]	NBE 32-125/142, 3*400 V	eta [%]
General information:			Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	NBE 32-125/142 AASF2AESBQQEJWB		Density = 998.2 kg/m³	
Product No:	99105451	35	110 %	
EAN number:	5712606855155			
Technical:		30	100 %	
Pump speed on which pump data are based:	2901 rpm	25 -		100
Rated flow:	28.01 m³/h	25-	90 %	T 100
Rated head:	23.42 m			1
Actual impeller diameter:	142 mm	20	80 %	80
Nominal impeller diameter:	125			
Shaft seal arrangement:	Single	15 -	78%	60
Shaft diameter:	24 mm			
Code for shaft seal:	BQQE	10 - #/		40
Curve tolerance:	ISO9906:2012 3B2			
Pump version:	AS	5	6%	20
Bearing design:	Standard		5.%	
Materials:			7%	
Pump housing:	Cast iron	0	5 10 15 20 25 30 Q [m³/h]	- 0
Pump housing:	EN-GJL-250	P [kW]		NPSH
Pump housing:	ASTM class 35	[KVV]	P1 (motor+freq.converter)	[m]
Wear ring:	Brass	3.0		6
Impeller:	Cast iron		P2	
Impeller:	EN-GJL-200	2.5		-5
Impeller:	ASTM class 30	2.0		4
Internal pump house coating:	CED	1.5		_3
Material code:	Α			
Code for rubber:	E	1.0		-2
Shaft:	Stainless steel	0.5		- 1
Shaft:	EN 1.4301	0.0		\perp_{\circ}
Shaft:	AISI 304			
Installation:				
Range of ambient temperature:	-20 50 °C		254 334 100	
Maximum operating pressure:	16 bar	80		
Pipe connection standard:	EN 1092-2			+
Size of inlet connection:	DN 50			<i>₩</i>
Size of outlet connection:	DN 32	*		+ + + + + + + + + + + + + + + + + + + +
Pressure rating for connection:	PN 16		4 × e ⁹ 12 9	215 215
Bearing lubrication:	Grease		130M25+430M20 190	+)
Pump housing with feet:	Yes		330	<u>কাৰ</u> ্
Support block (Yes/No):	Υ	4X 6 /9 5 /		
Connect code:	F2			
Liquid:				J
Pumped liquid:	Water		280	
Liquid temperature range:	-25 120 °C		[4	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
IE Efficiency class:	IE5			
Rated power - P2:	3 kW			
Mains frequency:	50 Hz	IS		
Rated voltage:	3 x 380-500 V		Ø⊕ <u></u>	
Rated current:	5.80-4.80 A		©	
Cos phi - power factor:	0.91-0.86		13 No.	
Rated speed:	360-4000 rpm	-98V ^c	04000 10 possoso 10 possoso	
Efficiency:	90.7%	-38 p. 4-38 p		
Motor efficiency at full load:	90.7 %			
Number of poles:	2	+88 V*	00 000 00 000 000 000 000 000 000 000	
Enclosure class (IEC 34-5):	IP55	-24 Y	34/Y5/Y AE	
Insulation class (IEC 85):	F		ONO A CENTRUM A V CENTRUM V	
	ELEC		© GENNun B	
Built-in motor protection:	LLLO		l 	
Built-in motor protection: Motor No:	98971269		© 54V 1 54V 1 54V	

Description	Value		
Bearing insulation type N-end:	STEEL BEARING		
Controls:			
Control panel:	HMI300 - Advanced		
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Pressure sensor:	N		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	53 kg		
Gross weight:	63 kg		
Shipping volume:	0.178 m³		
Danish VVS No.:	386100129		
Country of origin:	HU		
Custom tariff no.:	84137051		

99105451 NBE 32-125/142 AASF2AESBQQEJWB 50 Hz 140 711 32 201 137 3.341 3.341 100 \oplus **(** 334 280 **((4)** 520 254 90 Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

99105451 NBE 32-125/142 AASF2AESBQQEJWB 50 Hz L1 L2 L2 PΕ NC C1 NO NC C2 NO 18 GND DI4/OC2 Pt100/1000 Pt100/1000 17 12 AO GND AI3 DI2 LiqTec GND 20 22 LiqTec +24 V* OC GND DI3/OC1 10 AI1 +24 V*/5 V* +24 V* 2 DI1 5 +5 V 6 GENIbus A **GENIbus** Y GENIbus B GND +24 V 15 +24 V 26 +5 V GND GDS TX 24 GDS RX +5 V* Al2 Note! All units are in [mm] unless others are stated.

	Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total			
		NBE 32-125/142	1	99105451	Price or request			
					request			
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