Qty. | Description

1 NBE 32-160.1/139 AAF2AESBQQEHWB



Note! Product picture may differ from actual product

Product No.: 99025305

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: 15.91 m³/h
Rated head: 19.41 m
Actual impeller diameter: 139 mm
Nominal impeller diameter: 160.1
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

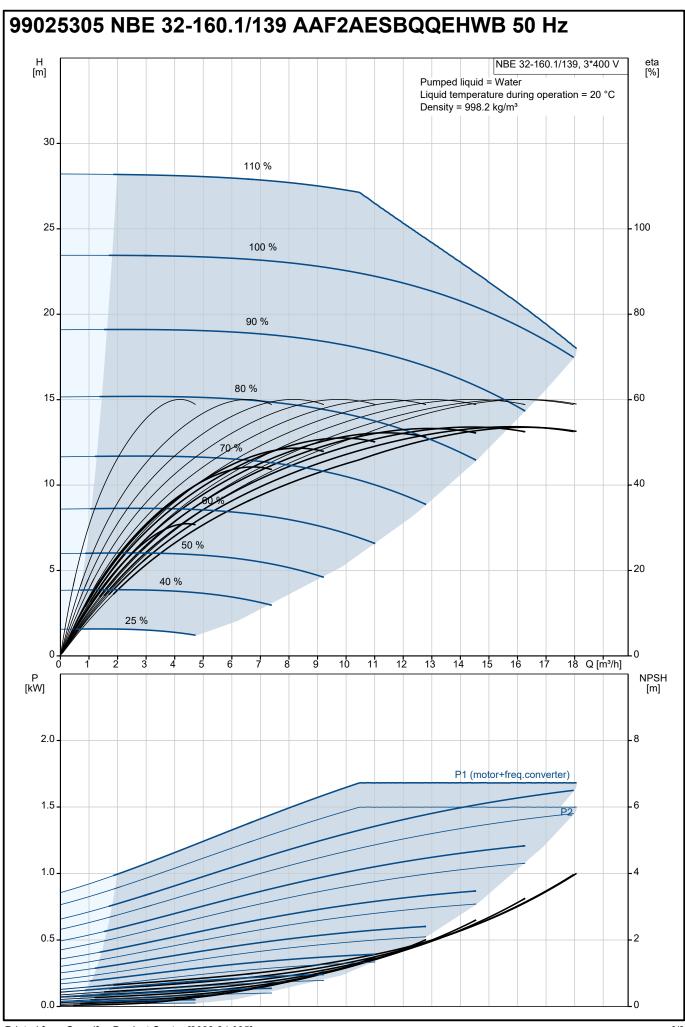
Shaft: Stainless steel

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): Ν Electrical data: IE5 IE Efficiency class: Rated power - P2: 1.5 kW Mains frequency: 50 Hz 3 x 380-500 V Rated voltage: Rated current: 2.90-2.40 A Cos phi - power factor: 0.92-0.85 Rated speed: 360-4000 rpm Efficiency: 88.9% Motor efficiency at full load: 88.9 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98726491 Bearing insulation type N-end: STEEL BEARING Minimum efficiency index, MEI ≥: 0.70 Net weight: 39 kg Gross weight: 50 kg Shipping volume: 0.134 m³ Danish VVS No.: 386100180 Country of origin: HU Custom tariff no.: 84137051



Description	Value	H [m]	NBE 32-160.1/139, 3*400 V	eta [%]
General information:	Turdo		Pumped liquid = Water	[]
Product name:	NBE 32-160.1/139	30 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
Product No:	AAF2AESBQQEHWB 99025305		110 %	
EAN number:	5712605321743			400
Technical:	5712005321743	25	100 %	100
Pump speed on which pump data	0004			
are based:	2901 rpm	20 -	90 %	80
Rated flow:	15.91 m³/h			
Rated head:	19.41 m		80 %	
Actual impeller diameter:	139 mm	15 -	-6	60
Nominal impeller diameter:	160.1		70%	
Shaft seal arrangement:	Single	40		40
Shaft diameter:	24 mm	10	1//////////////////////////////////////	40
Code for shaft seal:	BQQE		///////////////////////////////////////	
Curve tolerance:	ISO9906:2012 3B2	5-//		20
Pump version:	A	3-	40 %	20
Bearing design:	Standard		25 %	
Materials:		0		0
Pump housing:	Cast iron	ď	2 4 6 8 10 12 14 16 Q [m³/h]	-
Pump housing:	EN-GJL-250	P [kW]		NPSH [m]
Pump housing:	ASTM class 35	2.0	_8	
Wear ring:	Brass	2.0		5
Impeller:	Cast iron		P1 (motor+freq.converter)	_
Impeller:	EN-GJL-200	1.5	P2 6	ő
Impeller:	ASTM class 30			
Internal pump house coating:	CED	1.0 -	1	4
Material code:	A			
Code for rubber:	E	0.5	12	2
Shaft:	Stainless steel			
Shaft:	EN 1.4301	0.0		0
Shaft:	AISI 304			
Installation:			226 274 100 - 32 .	
Range of ambient temperature:	-20 50 °C	80		9 9
Maximum operating pressure:	16 bar	7		
Pipe connection standard:	EN 1092-2			900
Size of inlet connection:	DN 50	* 		(+)
Size of outlet connection:	DN 32	. "		910
Pressure rating for connection:	PN 16	100	400M20 400M20 117 123	
Bearing lubrication:	Grease		7	000
Pump housing with feet:	Yes		8 TO	
Support block (Yes/No):	N	4 × • 19		
Connect code:	F2			
Liquid:				
Pumped liquid:	Water		9 9	
Liquid temperature range:	-25 120 °C		<u></u>	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
IE Efficiency class:	IE5	[SI	-	
Rated power - P2:	1.5 kW	L1 —		
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-500 V			
Rated current:	2.90-2.40 A		<u></u>	
Cos phi - power factor:	0.92-0.85		NO III OND	
Rated speed:	360-4000 rpm		11 DACCS	
Efficiency:	88.9%		1 MA	
Motor efficiency at full load:	88.9 %		1 00 0 121 Lu(1sc 2) 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Number of poles:	2		91/Y CC	
Enclosure class (IEC 34-5):	IP55	-24 V*	4 Mt	
1 1 (1 (1 (1 (0 0 0)	F		a lotto A GENbus A T GENbus Y	
Insulation class (IEC 85):				
Built-in motor protection:	ELEC		3 ONO 11 12 12 12 12 12 12 12 12 12 12 12 12	
· ,	ELEC 98726491		T GOO	

Description	Value		
Bearing insulation type N-end:	STEEL BEARING		
Controls:			
Control panel:	HMI300 - Graphical		
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Pressure sensor:	N		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	39 kg		
Gross weight:	50 kg		
Shipping volume:	0.134 m³		
Danish VVS No.:	386100180		
Country of origin:	HU		
Custom tariff no.:	84137051		

99025305 NBE 32-160.1/139 AAF2AESBQQEHWB 50 Hz **(4)** • • **(** Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

99025305 NBE 32-160.1/139 AAF2AESBQQEHWB 50 Hz L1 L2 L2 L3 PΕ NC C1 NO NC C2 NO GND 18 DI4/OC2 Pt100/1000 19 Pt100/1000 17 12 AO GND AI3 DI2 21 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 GND GENIbus A **GENIbus** Y GENIbus B GND +24 V 15 +24 V 26 +5 V GND 25 GDS TX 24 GDS RX +5 V* Al2 Note! All units are in [mm] unless others are stated.

		Order Da	ta:		
Position	Your pos.	Product name	Amount	Product No	Total
		NBE 32-160.1/139	1	99025305	Price or reques
					reques