Qty. | Description

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NBE 32-160/177 AASF2AESBQQELWB



Note! Product picture may differ from actual product

Product No.: 99106342

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: 2898 rpm

Rated flow: 32.98 m³/h
Rated head: 34.55 m
Actual impeller diameter: 177 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

EN-GJL-250 ASTM class 35

Wear ring: Brass
Impeller: Cast iron

EN-GJL-200 ASTM class 30

Internal pump house coating: CED

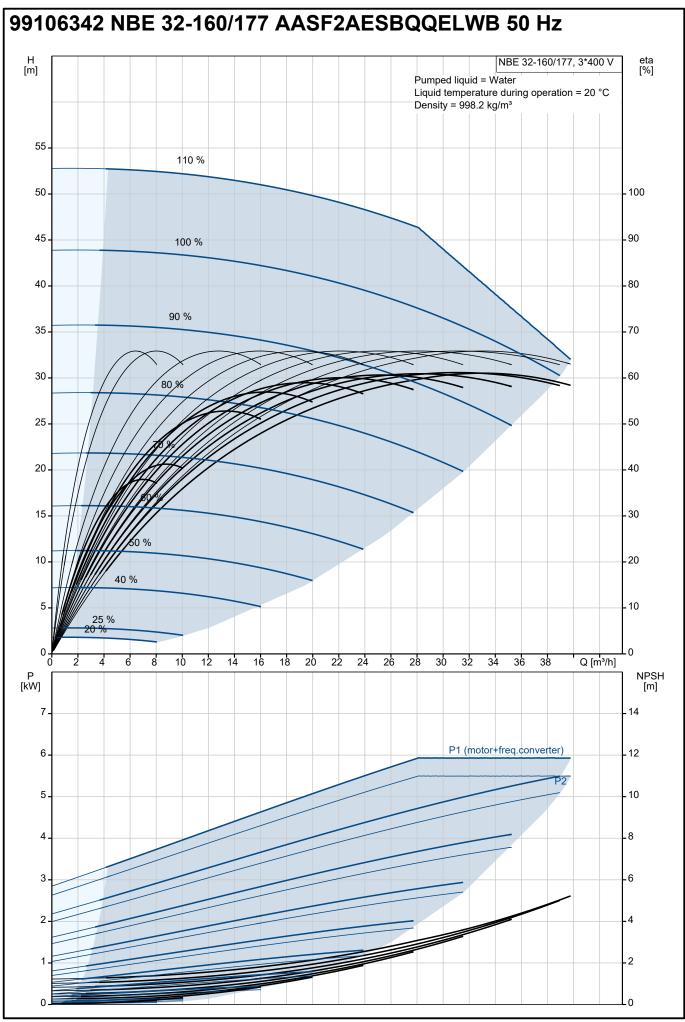
Shaft: Stainless steel

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: 5.5 kW Mains frequency: 50 Hz 3 x 380-500 V Rated voltage: Rated current: 10.3-8.20 A Cos phi - power factor: 0.92-0.88 Rated speed: 360-4000 rpm Efficiency: 92.7% Motor efficiency at full load: 92.7 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971271 Bearing insulation type N-end: STEEL BEARING Minimum efficiency index, MEI ≥: 0.59 Net weight: 74 kg Gross weight: 91 kg Shipping volume: 0.315 m³ Danish VVS No.: 386100166 Country of origin: HU Custom tariff no.: 84137051



Description	Value	H [m]	NBE 32-160/177, 3*400 V
General information:		<u> </u>	Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	NBE 32-160/177	55 -	Density = 998.2 kg/m ³
	AASF2AESBQQELWB	~~ <u></u>	110 %
Product No:	99106342	50 -	100
EAN number:	5712606870776	45	100 %
Technical:		45	100 %
Pump speed on which pump data are based:	2898 rpm	40	90 %
Rated flow:	32.98 m³/h	35 -	70
Rated head:	34.55 m	30	60
Actual impeller diameter:	177 mm	30 -	80%
Nominal impeller diameter:	160	25 -	-50
Shaft seal arrangement:	Single		
Shaft diameter:	24 mm	20	40
Code for shaft seal:	BQQE	15	-30
Curve tolerance:	ISO9906:2012 3B2		80 %
Pump version:	AS	10 -	40 %
•	Standard		
Bearing design:	Statituatu	5 -	25%
Materials:	On at imam		0
Pump housing:	Cast iron		5 10 15 20 25 30 35 Q [m³/h]
Pump housing:	EN-GJL-250	P [kW]	N
Pump housing:	ASTM class 35		
Wear ring:	Brass	6 -	P1 (motor+freq.converter) -12
Impeller:	Cast iron	5 -	P2 10
Impeller:	EN-GJL-200		
Impeller:	ASTM class 30	4 -	-8
Internal pump house coating:	CED	3 -	6
Material code:	A		
Code for rubber:	E	2	4
Shaft:	Stainless steel	1-	-2
Shaft:	EN 1.4301	0.	
Shaft:	AISI 304		<u> </u>
Installation:		-	
Range of ambient temperature:	-20 50 °C		
Maximum operating pressure:	16 bar		2/3 305 100
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		100 (100±100)20 (2±0 (100±10)20 (
Pump housing with feet:			117 1 125 1
. •	Yes Y		§ - 170 - 17
Support block (Yes/No):		4X g (9	
Connect code:	F2		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Liquid:	\A/ /		
Pumped liquid:	Water		280
Liquid temperature range:	-25 120 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		
Electrical data:			
IE Efficiency class:	IE5		
Rated power - P2:	5.5 kW		
Mains frequency:	50 Hz	D PE	
Rated voltage:	3 x 380-500 V		Ø⊕ ©———
Rated current:	10.3-8.20 A		
Cos phi - power factor:	0.92-0.88		
Rated speed:	360-4000 rpm		18 ORCZ 19 P0091900
Efficiency:	92.7%		17 P0037900 17 P0037900 17 P0037900 18 P0037900 18 P0037900
Motor efficiency at full load:	92.7 %		
omoronoy at ran load.	2		2) Veltec 3) one 0c v 22) veltec
Number of notes:	_		41Y - 000 00 11 11 000C1
Number of poles:	IDSS		
Enclosure class (IEC 34-5):	IP55		3 -5V a caso
Enclosure class (IEC 34-5): Insulation class (IEC 85):	F		7 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5
Enclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection:	F ELEC	-	1 400 400 400 400 400 400 400 400 400 40
Enclosure class (IEC 34-5): Insulation class (IEC 85):	F	_	7 400 100000 A 1000000 A 10000000 A 1000000 A 10000000 A 1000000 A 10000000 A 1000000 A 10000000 A 1000000 A 1000000 A 1000000 A 1000000 A 1000000 A 1000000 A 10000000 A 10000000 A 10000000 A 10000000 A 10000000 A 100000000

Description	Walne		
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 ≥:	0.59		
Net weight:	74 kg		
Gross weight:	91 kg		
Shipping volume:	0.315 m³		
Danish VVS No.:	386100166		
Country of origin:	HU		
Custom tariff no.:	84137051		

99106342 NBE 32-160/177 AASF2AESBQQELWB 50 Hz 132 ۱90 32 201 191 3.341 3.341 100 **(** 365 280 **((4)** 300 293 90 Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

99106342 NBE 32-160/177 AASF2AESBQQELWB 50 Hz L1 L2 L2 PΕ NC C1 NO NC C2 NO GND 18 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 32-160/177	1	99106342	Price or request			
					request			
				<u> </u>				