Qty. | Description

1 NBE 32-200.1/205 AAF2AESBQQELWB



Note! Product picture may differ from actual product

Product No.: 99100055

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: 22.08 m³/h
Rated head: 43.64 m
Actual impeller diameter: 205 mm
Nominal impeller diameter: 200.1
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

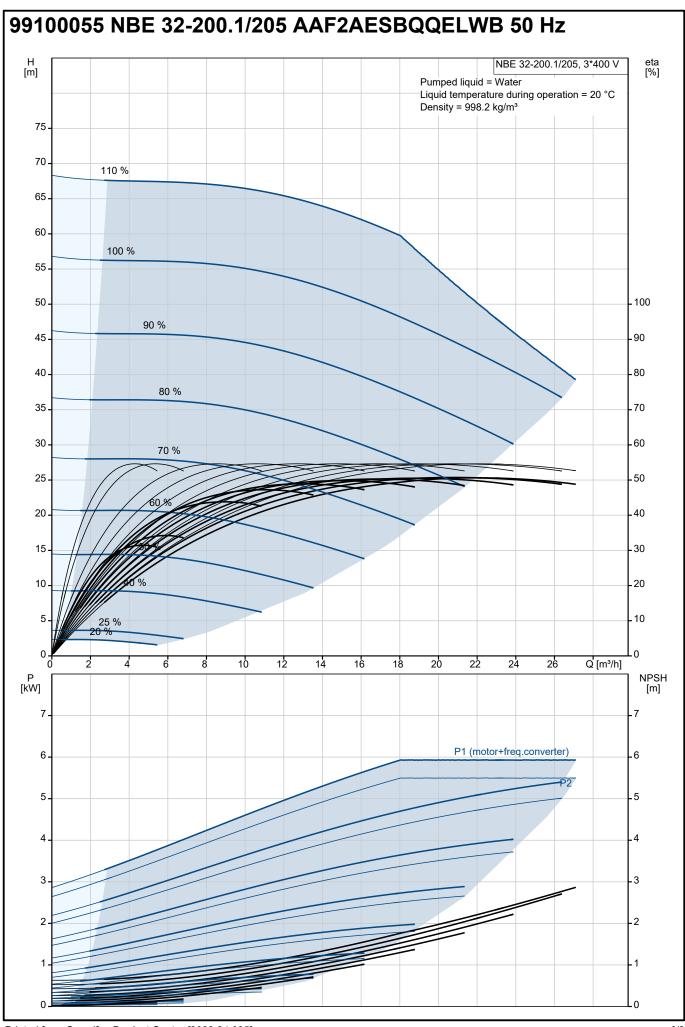
Shaft: Stainless steel

EN 1.4301 AISI 304

Installation:

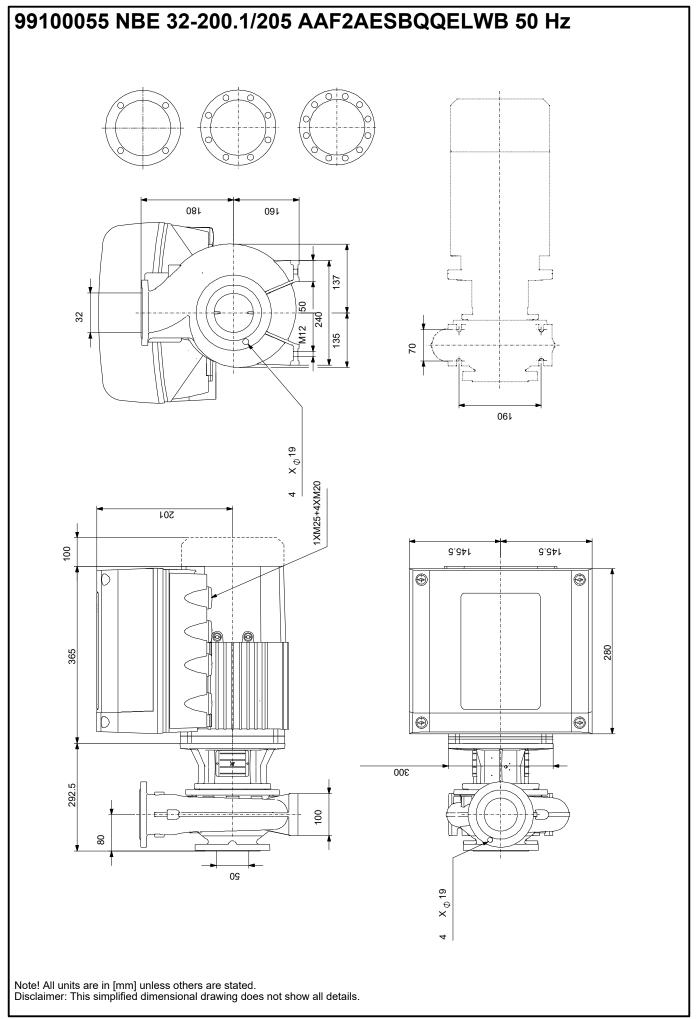
Range of ambient temperature: -20 .. 50 °C
Maximum operating pressure: 16 bar
Pipe connection standard: EN 1092-2
Size of inlet connection: DN 50
Size of outlet connection: DN 32
Pressure rating for connection: PN 16

Qty. Description Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): Ν Electrical data: IE5 IE Efficiency class: Rated power - P2: 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 ≥: 0.58 Net weight: 78 kg Gross weight: 95 kg Shipping volume: 0.315 m³ Danish VVS No.: 386100223 Country of origin: HU Custom tariff no.: 84137051



Description	Value	H [m]	NBE 32-200.1/205, 3*400 V
General information:			Pumped liquid = Water
	NBE 32-200.1/205	75 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³
Product name:	AAF2AESBQQELWB	70	110 %
Product No:	99100055		110 70
		65 -	
EAN number:	5712606755776	60 -	100 %
Technical:		55 -	100 %
Pump speed on which pump data	2898 rpm		
are based:		50 -	90 %
Rated flow:	22.08 m³/h	45 -	90
Rated head:	43.64 m	40	80
Actual impeller diameter:	205 mm		80 %
•		35 -	70
Nominal impeller diameter:	200.1	30	70 %
Shaft seal arrangement:	Single	25	-50
Shaft diameter:	24 mm	25	80%
Code for shaft seal:	BQQE	20 -	-40
Curve tolerance:	ISO9906:2012 3B2	15	30
Pump version:	A		
•		10 -	-20
Bearing design:	Standard	5_	205%
Materials:			0
Pump housing:	Cast iron	0	5 10 15 20 Q [m³/h]
Pump housing:	EN-GJL-250	P [kW]	NF.
Pump housing:	ASTM class 35	[KVV]	- [
Wear ring:	Brass		P1 (motor+freq.converter)
Impeller:	Cast iron	6 -	P1 (motor+freq.converter) - 6
•		5	P 2 5
Impeller:	EN-GJL-200		
Impeller:	ASTM class 30	4 -	4
Internal pump house coating:	CED	3	3
Material code:	A		
Code for rubber:	E	2-	2
Shaft:	Stainless steel		1
Shaft:	EN 1.4301	0.1	L 0
Shaft:	AISI 304		
Installation:			292.5 365 100
Range of ambient temperature:	-20 50 °C		50 0 0
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		100 100
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		98
Support block (Yes/No):	N	4 X • 19	
Connect code:	F2		
Liquid:		ŀ	
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		280
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		
Electrical data:	550.2 Ng//II		
	155		
IE Efficiency class:	IE5		⊠ т
Rated power - P2:	5.5 kW	11	
Mains frequency:	50 Hz	L3 PE	
Rated voltage:	3 x 380-500 V		Ø⊕ ©
Rated current:	10.3-8.20 A		
Cos phi - power factor:	0.92-0.88		MC
Rated speed:	360-4000 rpm		17 P10011000
Efficiency:	92.7%		
Motor efficiency at full load:	92.7 %		
Number of poles:	2		317 00 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Number of poles.	IP55		any days of the state of the st
		-	5 -5V
Enclosure class (IEC 34-5):	_		
Enclosure class (IEC 34-5): Insulation class (IEC 85):	F		X GCANNA Y GONDAN Y B GCANNA B
Enclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection:	ELEC		1 Gallanda 1 Gal
Enclosure class (IEC 34-5): Insulation class (IEC 85):			T GODALAN G

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 ≥:	0.58		
Net weight:	78 kg		
Gross weight:	95 kg		
Shipping volume:	0.315 m³		
Danish VVS No.:	386100223		
Country of origin:	HU		
Custom tariff no.:	84137051		



99100055 NBE 32-200.1/205 AAF2AESBQQELWB 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 32-200.1/205	1	99100055	Price on request		
					request		