Qty. | Description

1 NBE 125-200/196-180 BAF2AESBQQEMWA



Note! Product picture may differ from actual product

Product No.: 99101911

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: 1450 rpm

Rated flow: 248 m³/h
Rated head: 8.8 m
Actual impeller diameter: 188 mm
Nominal impeller diameter: 200
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

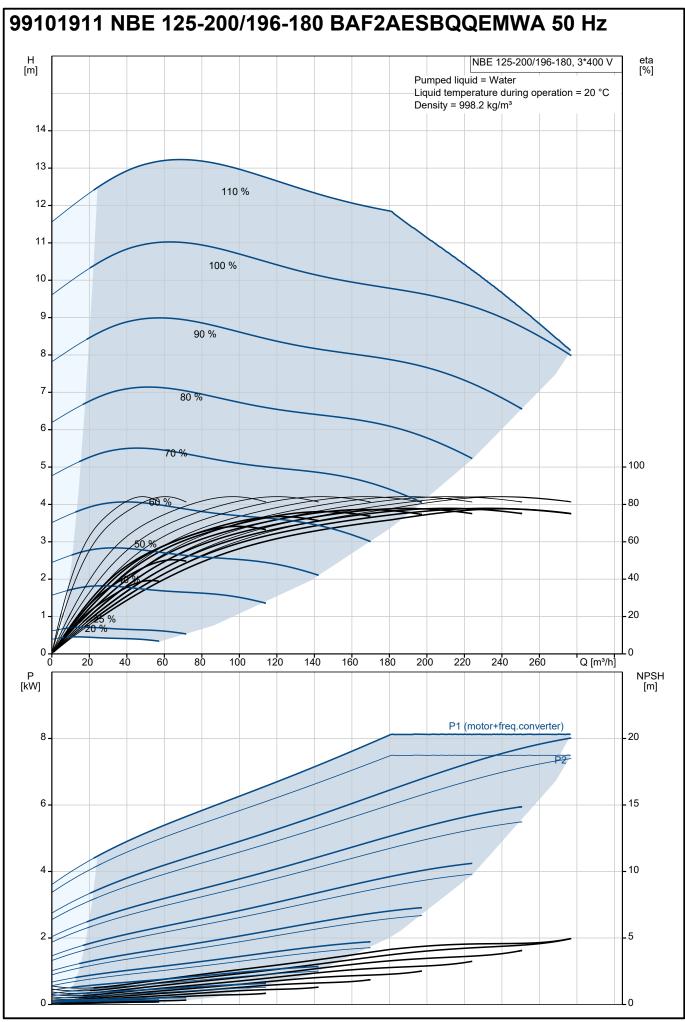
Shaft: Stainless steel

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 150
Size of outlet connection: DN 125
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: 7.5 kW 50 Hz Mains frequency: 3 x 380-500 V Rated voltage: Rated current: 14.1-11.1 A Cos phi - power factor: 0.93-0.89 Rated speed: 180-2200 rpm Efficiency: 92.2% Motor efficiency at full load: 92.2 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971268 Bearing insulation type N-end: STEEL BEARING Minimum efficiency index, MEI ≥: 0.70 Net weight: 162 kg Gross weight: 184 kg Shipping volume: 0.509 m³ Danish VVS No.: 386106202 Country of origin: HU Custom tariff no.: 84137051



Description	Value	H [m]	NBE 125-200/196-180, 3*400 V	eta [%]
General information:	Value		Pumped liquid = Water	[]
Product name:	NBE 125-200/196-180 BAF2AESBQQEMWA	14 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
Product No:	99101911		110 %	
EAN number:	5712606791224	12		
Technical:	02000.0	11		
Pump speed on which pump data are based:	1450 rpm	10 -	100%	
Rated flow:	248 m³/h		90 %	
Rated head:	8.8 m	8-		
Actual impeller diameter:	188 mm	7	80 %	
Nominal impeller diameter:	200	6		
Shaft seal arrangement:	Single	5-	70 %	100
Shaft diameter:	32 mm		20.07	
Code for shaft seal:	BQQE	4	80%	- 80
Curve tolerance:	ISO9906:2012 3B2	3-	1/86/9	- 60
Pump version:	A	2 ///		- 40
Bearing design:	Standard			- 20
Materials:		'-	00/0	
Pump housing:	Cast iron	0	50 100 150 200 250 Q [m³/h]	Lo
Pump housing:	EN-GJL-250	P [kW]	250 250 250 4 [11/11]	NPSH
Pump housing:	ASTM class 35	[kW]	P1 (motor+freg.converter)	[m]
Wear ring:	Brass	8 -	1 1 (motor freq.converter)	- 20
Impeller:	Cast iron		P2	
Impeller:	EN-GJL-200	6 -		- 15
Impeller:	ASTM class 30			
Internal pump house coating:	CED	4		10
Material code:	A			
Code for rubber:	E	2		- 5
Shaft:	Stainless steel			
Shaft:	EN 1.4301	0		Lo
Shaft:	AISI 304			
Installation:	7.1.0.00.1		393 390 140	
Range of ambient temperature:	-20 50 °C	140	353 309 125	_
Maximum operating pressure:	16 bar			
Pipe connection standard:	EN 1092-2			6
Size of inlet connection:	DN 150			6
Size of outlet connection:	DN 125	 		6
Pressure rating for connection:	PN 16	16	8 x •23 M16 00 100 100 100 100 100 100 100 100 10	9000
Bearing lubrication:	Grease		200 1 252	
Pump housing with feet:	Yes		00	•
Support block (Yes/No):	N	8 X 0 19		
Connect code:	F2			
Liquid:	· -			
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C		317	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
IE Efficiency class:	IE5			
Rated power - P2:	7.5 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-500 V	PE	Ø@	
Rated current:	14.1-11.1 A		100 mg	
Cos phi - power factor:	0.93-0.89		16C 17C 17C	
Rated speed:	180-2200 rpm		31 1 000 1 1 1 000 1 1 1 000 1 1 1 000 1 1 1 0 1 0 1	
Efficiency:	92.2%		77 Proposoo 27 Ao 20 Ao 30 Ao	
Motor efficiency at full load:	92.2 %	317	6	
Number of poles:	4		73 Luliec 70 (ono 22 Luliec	
Enclosure class (IEC 34-5):	IP55		441° 0 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Insulation class (IEC 85):	F		9 9 3 4V 5 4V 6 600m-4	
Built-in motor protection:	ELEC		Y GENhau Y B GENhau B	
Motor No:	98971268		3 (MA) 15 -24 V	
Mount. design. acc. IEC 34-7:	IM V1/B5	****	20 55 V 20 005 TX	

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:	162 kg		
Gross weight:	184 kg		
Shipping volume:	0.509 m³		
Danish VVS No.:	386106202		
Country of origin:	HU		
Custom tariff no.:	84137051		

99101911 NBE 125-200/196-180 BAF2AESBQQEMWA 50 Hz 1XM32+5XM20 **(4)** • • **(** ω Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

99101911 NBE 125-200/196-180 BAF2AESBQQEMWA 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 125-200/196-180	1	99101911	Price on request		
					request		