Qty. | Description

1 NBE 100-160/176 BAF2AESBQQEKWA



Note! Product picture may differ from actual product

Product No.: On request

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: 120.6 m³/h
Rated head: 7.1 m
Actual impeller diameter: 176 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

EN-GJL-200 ASTM class 30

Internal pump house coating: CED

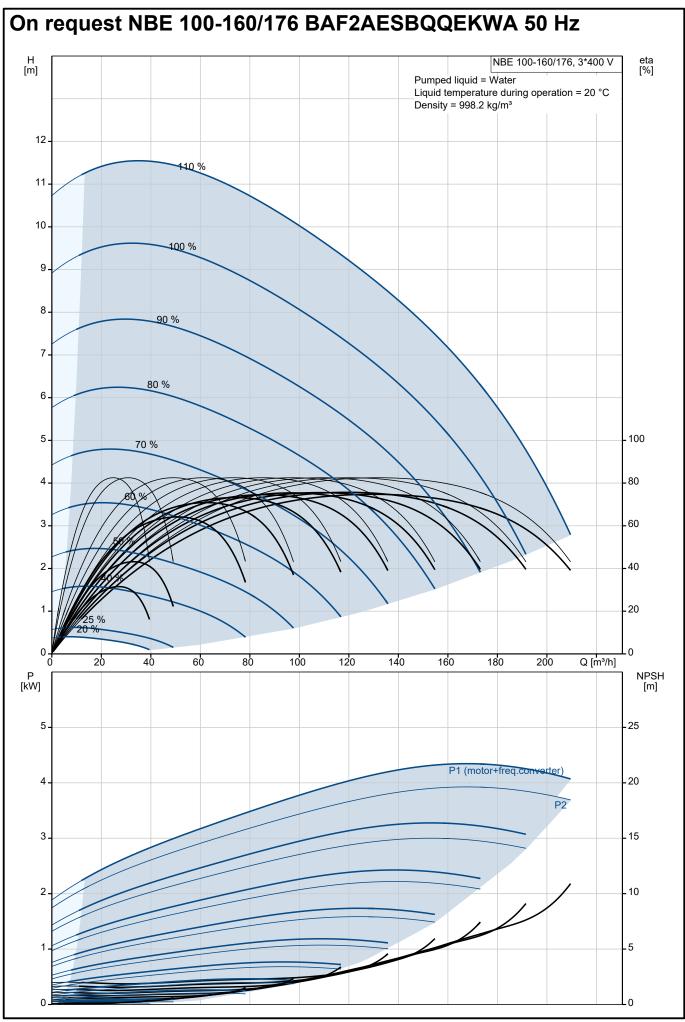
Shaft: Stainless steel

EN 1.4301 AISI 304

Installation:

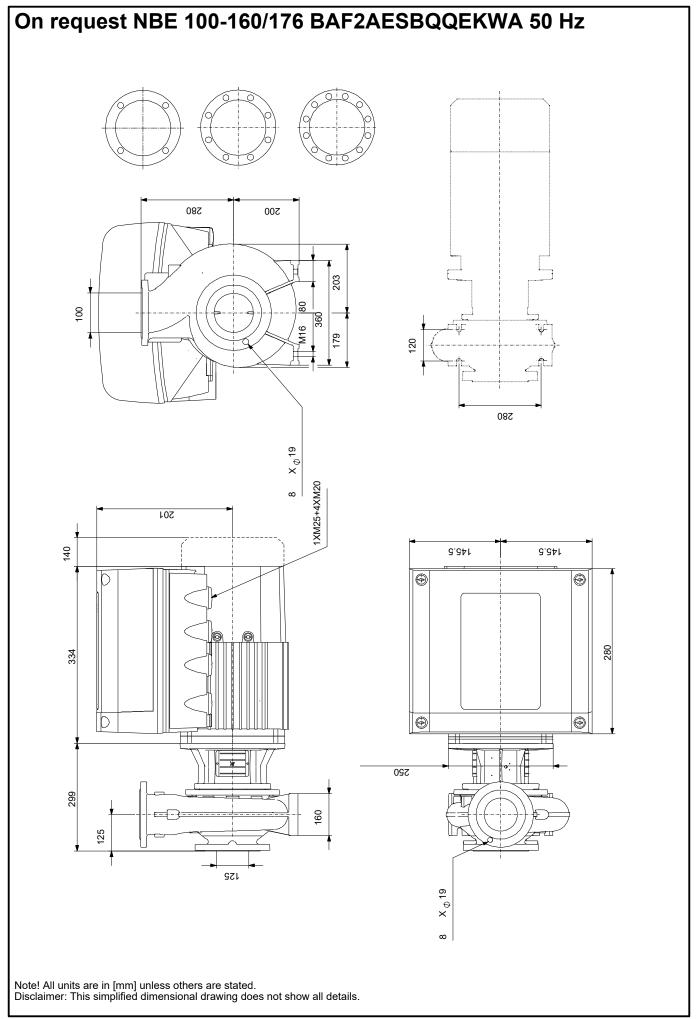
Range of ambient temperature: -20 .. 50 °C
Maximum operating pressure: 16 bar
Pipe connection standard: EN 1092-2
Size of inlet connection: DN 125
Size of outlet connection: DN 100
Pressure rating for connection: PN 16

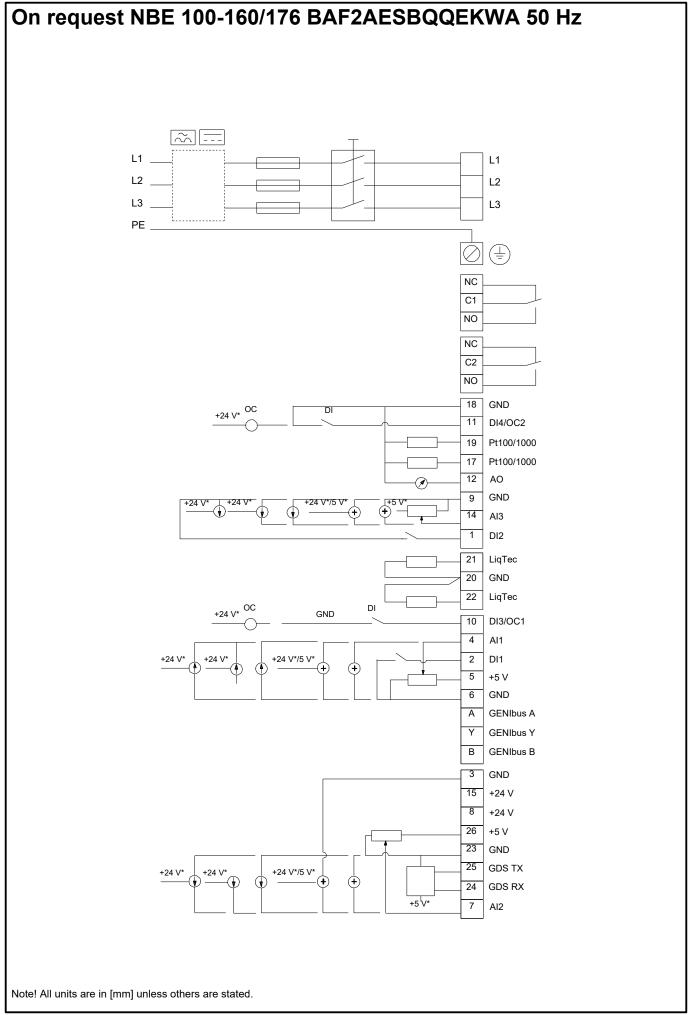
Qty. Description Bearing lubrication: Grease Pump housing with feet: Yes Support block (Yes/No): Ν Electrical data: IE5 IE Efficiency class: Rated power - P2: 4 kW 50 Hz Mains frequency: 3 x 380-500 V Rated voltage: Rated current: 7.70-6.00 A Cos phi - power factor: 0.92-0.87 Rated speed: 180-2200 rpm Efficiency: 90.3% Motor efficiency at full load: 90.3 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971266 Bearing insulation type N-end: STEEL BEARING Minimum efficiency index, MEI ≥: 0.70 Net weight: 95 kg Gross weight: 112 kg Shipping volume: 0.315 m³ Danish VVS No.: 386105165 Country of origin: HU Custom tariff no.: 84137051



Description	Value	H [m]	NBE 100-160/176, 3*400 V	eta [%]
General information:			Pumped liquid = Water	
Product name:	NBE 100-160/176	12	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
1 Toddet Hame.	BAF2AESBQQEKWA		110 %	
Product No:	On request			
EAN number:	On request	10		
Technical:	- '		100 %	
Pump speed on which pump data	1450 rpm	9-		
are based:	1450 rpm	8		
Rated flow:	120.6 m³/h		90 %	
Rated head:	7.1 m	7-		
Actual impeller diameter:	176 mm	6-	80 %	
•				
Nominal impeller diameter:	160	5 -	70 %	100
Shaft seal arrangement:	Single			00
Shaft diameter:	24 mm	4 -	100 %	- 80
Code for shaft seal:	BQQE	3-		60
Curve tolerance:	ISO9906:2012 3B2			l
Pump version:	A	2-1		- 40
Bearing design:	Standard	1 - 1	5 %	20
Materials:			20%]
Pump housing:	Cast iron	0 <u>/</u>	50 100 150 Q [m³/h]	L ₀
Pump housing:	EN-GJL-250	P [kW]	22 .55 .50 &[iii/ii]	NPSH
Pump housing:	ASTM class 35	I		[m]
Wear ring:	Brass	5_		- 25
Impeller:	Cast iron		P1 (motor+freq.converter)	
•	* · · - · ·	4 —	50	- 20
Impeller:	EN-GJL-200	3 -	P2	- 15
Impeller:	ASTM class 30			- 13
Internal pump house coating:	CED	2 -		10
Material code:	A			Γ'ઁ
Code for rubber:	E	1-		_5
Shaft:	Stainless steel			
Shaft:	EN 1.4301	0		L_o
Shaft:	AISI 304			
Installation:			299 334 140	
Range of ambient temperature:	-20 50 °C		125	_
Maximum operating pressure:	16 bar			
Pipe connection standard:	EN 1092-2			6
Size of inlet connection:	DN 125	H		600
		*H		
Size of outlet connection:	DN 100		8 × • 19	*
Pressure rating for connection:	PN 16		160 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Bearing lubrication:	Grease			0000
Pump housing with feet:	Yes		120	
Support block (Yes/No):	N	8 X • 19		
Connect code:	F2			
Liquid:				
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C		280	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
IE Efficiency class:	IE5			
Rated power - P2:	4 kW	u _		
Mains frequency:	50 Hz	PE		
Rated voltage:	3 x 380-500 V			
Rated current:	7.70-6.00 A		NO	
Cos phi - power factor:	0.92-0.87		NO N	
Rated speed:	180-2200 rpm		17 DACCS 19 PROSESSO 17 DESCRIPTION	
Efficiency:	90.3%		3 mg	
Motor efficiency at full load:	90.3 %		- T	
Number of poles:	4		27 OND 28 UNITED STATE OF THE S	
Enclosure class (IEC 34-5):	IP55		30 00001 4 At 10 0000 2 10 00000	
Insulation class (IEC 85):	F		3 on Section 4	
			CANDRIU A Y GENbus Y B GENbus B	
Built-in motor protection:	ELEC		3 GND 13 44V 8 44V	
Motor No:	98971266		20 -5 V 22 -6 V 23 -6 V	
Mount. design. acc. IEC 34-7:	IM V1/B5			

Description	Value		
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:	95 kg		
Gross weight:	112 kg		
Shipping volume:	0.315 m³		
Danish VVS No.:	386105165		
Country of origin:	HU		
Custom tariff no.:	84137051		





	Order Data:						
Position	Your pos.	Product name	Amount	Product No	Total		
		NBE 100-160/176	1	On request	Price on request		
					requesi		
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