### Qty. | Description

### 1 NBE 125-200/176-154 BAF2AESBQQELWA



Note! Product picture may differ from actual product

Product No.: 99101912

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: 206.5 m³/h
Rated head: 6.8 m
Actual impeller diameter: 165 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

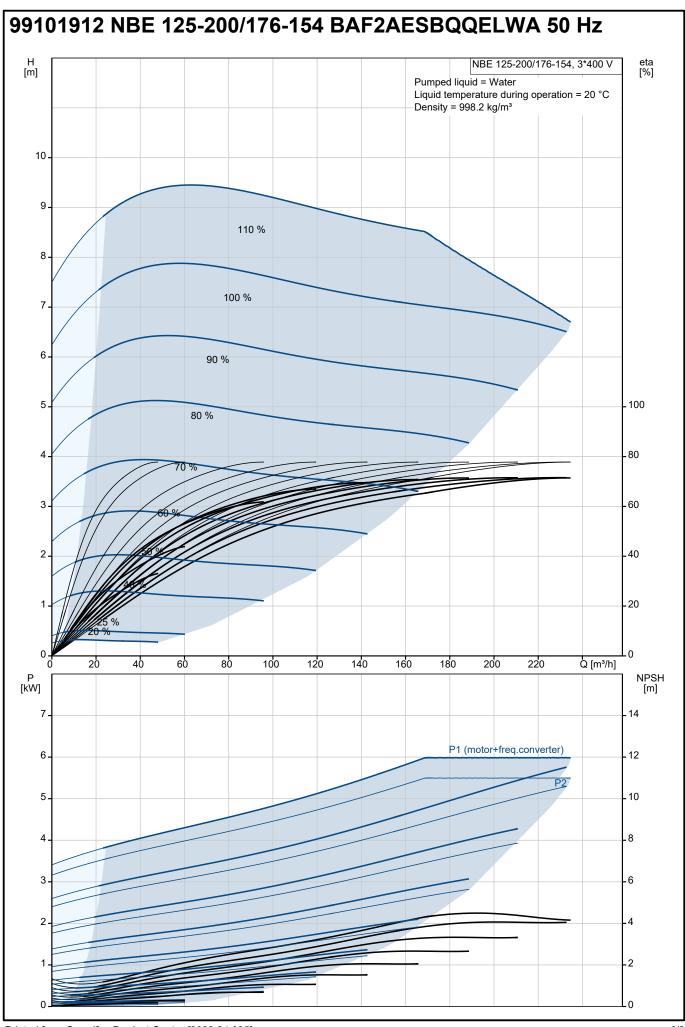
Pipe connection standard: EN 1092-2

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: 5.5 kW Mains frequency: 50 Hz 3 x 380-500 V Rated voltage: Rated current: 10.5-8.40 A Cos phi - power factor: 0.92-0.88 Rated speed: 180-2200 rpm Efficiency: 91.9% Motor efficiency at full load: 91.9 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971267 Bearing insulation type N-end: STEEL BEARING Minimum efficiency index, MEI ≥: 0.70 Net weight: 156 kg Gross weight: 177 kg Shipping volume: 0.509 m<sup>3</sup> Danish VVS No.: 386106201 Country of origin: HU Custom tariff no.: 84139100



Description	Value	H [m]	NBE 125-200/176-154, 3*400 V	eta [%]
General information:			Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	NBE 125-200/176-154 BAF2AESBQQELWA	10 -	Density = 998.2 kg/m³	
Product No:	99101912	9 -		
EAN number:	5712606791248	9 <b>-</b>	110 %	
Technical:		8 -		
Pump speed on which pump data are based:	1450 rpm	7 -	100 %	
Rated flow:	206.5 m³/h			
Rated head:	6.8 m	6 -	90 %	
Actual impeller diameter:	165 mm	5 -	80 %	<b>-</b> 100
Nominal impeller diameter:	200		80 %	
Shaft seal arrangement:	Single	4 -	70 %	- 80
Shaft diameter:	32 mm	3 -		<b>-</b> 60
Code for shaft seal:	BQQE		1 180%	- 60
Curve tolerance:	ISO9906:2012 3B2	2		<b>-</b> 40
Pump version:	Α			
Bearing design:	Standard	1 -	3/4	<b>-</b> 20
Materials:			1 Vio	_0
Pump housing:	Cast iron	0	50 100 150 200 Q [m³/h]	_0
Pump housing:	EN-GJL-250	P [kW]		NPSH [m]
Pump housing:	ASTM class 35	[[, v, v]		- [,,,,]
Wear ring:	Brass	6 -	P1 (motor+freq.converter)	<b>-</b> 12
Impeller:	Cast iron	5 -	P2	<b>-</b> 10
Impeller:	EN-GJL-200			- 10
Impeller:	ASTM class 30	4 -		- 8
Internal pump house coating:	CED	3 -		-6
Material code:	A	2		_4
Code for rubber:	E			•
Shaft:	Stainless steel	1 -		- 2
Shaft:	EN 1.4301	0		_0
Shaft:	AISI 304			
Installation:			383 389 140 125	
Range of ambient temperature:	-20 50 °C	-	140	9
Maximum operating pressure:	16 bar			
Pipe connection standard:	EN 1092-2			200
Size of inlet connection:	DN 150	95		
Size of outlet connection:	DN 125	'		Ø 19
Pressure rating for connection:	PN 16		160 3XM32+SXM20 400 400 400 252	
Bearing lubrication:	Grease			000
Pump housing with feet:	Yes		120	
Support block (Yes/No):	N	8 X • 19		
Connect code:	F2			
Liquid:				
Pumped liquid:	Water		317	
Liquid temperature range:	-25 120 °C		*	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
IE Efficiency class:	IE5		<b>⊠</b> □	
Rated power - P2:	5.5 kW	12		
Mains frequency:	50 Hz	PE		
Rated voltage:	3 x 380-500 V			
Rated current:	10.5-8.40 A		100	
Cos phi - power factor:	0.92-0.88		100 000 1000 1000 1000 1000 1000 1000	
Rated speed:	180-2200 rpm		10 Prilitariosas 17 Prilitariosas 10 Prilitariosas 10 Prilitariosas	
Efficiency:	91.9%		THE PARTY OF THE P	
Motor efficiency at full load:	91.9 %		TO SOLO	
Number of poles:	4		-51-V OC 040 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Enclosure class (IEC 34-5):	IP55		dev dev developed and develope	
Insulation class (IEC 85):	F		A GENERA A Y GENERA B  8 GENERA B	
Built-in motor protection:	ELEC		37 (Alto	
Motor No:	98971267		1 -34V 21 -5V	
Mount. design. acc. IEC 34-7:	IM V1/B5			

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:	156 kg		
Gross weight:	177 kg		
Shipping volume:	0.509 m³		
Danish VVS No.:	386106201		
Country of origin:	HU		
Custom tariff no.:	84139100		

# 99101912 NBE 125-200/176-154 BAF2AESBQQELWA 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.

## 99101912 NBE 125-200/176-154 BAF2AESBQQELWA 50 Hz L1 L2 L2 PΕ NC C1 NO NC C2 NO 18 GND DI4/OC2 Pt100/1000 19 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 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 Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		NBE 125-200/176-154	1	99101912	Price on request		
					request		