

Qty. Description

1 NBE 125-250/249 AF2ABAEQ



Note! Product picture may differ from actual product

Product No.: [96539068](#)

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 asynchronous 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: 0 .. 120 °C

Selected liquid temperature: 20 °C

Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 1460 rpm

Rated flow: 253.7 m³/h

Rated head: 17.44 m

Actual impeller diameter: 249 mm

Nominal impeller diameter: 250

Shaft seal arrangement: Single

Code for shaft seal: BAEQ

Curve tolerance: ISO9906:2012 3B

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

Shaft: Stainless steel
EN 1.4301
AISI 304

Internal pump house coating: CED

Installation:

Maximum ambient temperature: 40 °C

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	<p>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 Bearing lubrication: Grease Pump housing with feet: Yes Support block: N</p> <p>Electrical data: IE Efficiency class: IE2 Rated power - P2: 18.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V Rated current: 37.0-30.0 A Cos phi - power factor: 0.91-0.88 Rated speed: 240-1750 rpm Efficiency: IE2 91,2% Motor efficiency at full load: 91.2 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 86901042</p> <p>Others: Minimum efficiency index, MEI \geq 0.62 Net weight: 283 kg Gross weight: 316 kg Shipping volume: 0.951 m³</p>