

**Qty. Description**

1 NB 50-125/144 AF2ABQQE



Product No.: [98974676](#)

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.

**Controls:**

Frequency converter: NONE

**Liquid:**

Pumped liquid: Water

Liquid temperature range: -25 .. 120 °C

Selected liquid temperature: 20 °C

Density: 998.2 kg/m<sup>3</sup>

**Technical:**

Pump speed on which pump data are based: 1440 rpm

Rated flow: 39.62 m<sup>3</sup>/h

Rated head: 5.523 m

Actual impeller diameter: 144 mm

Nominal impeller diameter: 125

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:**

Maximum ambient temperature: 55 °C

Maximum operating pressure: 16 bar

Pipe connection standard: EN 1092-2

Size of inlet connection: DN 65

Size of outlet connection: DN 50



Company name:

Created by:

Phone:

Date:

11/10/2023

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1	<p>Pressure rating for connection: PN 16</p> <p>Bearing lubrication: Grease</p> <p>Pump housing with feet: Yes</p> <p>Support block (Yes/No): N</p> <p>Electrical data:</p> <p>Motor type: SIEMENS</p> <p>Rated power - P2: 1.1 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 220-240D/380-420Y V</p> <p>Rated current: 4.2/2.4 A</p> <p>Starting current: 690-690 %</p> <p>Cos phi - power factor: 0.78</p> <p>Rated speed: 1440 rpm</p> <p>IE efficiency: IE3 84,1%</p> <p>IE Efficiency class: IE3</p> <p>Motor efficiency at full load: 84.1-84.1 %</p> <p>Motor efficiency at 3/4 load: 84.7-84.7 %</p> <p>Motor efficiency at 1/2 load: 83.4-83.4 %</p> <p>Number of poles: 4</p> <p>Enclosure class (IEC 34-5): IP55</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 83V02205</p> <p>Bearing insulation type N-end: N</p> <p>Others:</p> <p>Minimum efficiency index, MEI <math>\geq</math>: 0.64</p> <p>Net weight: 47 kg</p> <p>Gross weight: 57 kg</p> <p>Shipping volume: 0.178 m<sup>3</sup></p>
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