

**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

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