

**Qty. Description**

1 **NBE 65-160/173 AF2ABAQE**



Note! Product picture may differ from actual product

Product No.: [96539042](#)

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

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: 0 .. 120 °C  
 Selected liquid temperature: 20 °C  
 Density at selected liquid temperature: 998.2 kg/m<sup>3</sup>

**Technical:**

Pump speed on which pump data are based: 2930 rpm  
 Rated flow: 115 m<sup>3</sup>/h  
 Rated head: 34.5 m  
 Actual impeller diameter: 173 mm  
 Nominal impeller diameter: 160 mm  
 Shaft seal arrangement: Single  
 Code for shaft seal: BAQE  
 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

**Installation:**

Maximum ambient temperature: 40 °C  
 Maximum operating pressure: 16 bar  
 Pipe connection standard: EN 1092-2

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	<p>Size of inlet connection: DN 80 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 16 Pump housing with feet: No Support block: N</p> <p><b>Electrical data:</b> IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-480 V Rated current: 30.0-26.0 A Cos phi - power factor: 0.91-0.86 Rated speed: 480-3540 rpm Efficiency: IE3 91,9% Motor efficiency at full load: 91.9 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 85901265</p> <p><b>Others:</b> Minimum efficiency index, MEI : 0.70 Net weight: 181 kg Gross weight: 202 kg Shipping volume: 0.509 m<sup>3</sup> Pipe connection standard: EN 1092-2</p>