

Qty.	Description
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1	NK 80-225/157 AA1F2S3ESBQQEPW1
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Note! Product picture may differ from actual product

Product No.: [93331204](#)

Non-self-priming, single-stage, centrifugal pump designed according to ISO 5199 with dimensions and rated performance according to EN 733. Flanges are PN 16 with dimensions according to EN 1092-2. The pump has an axial suction port, a radial discharge port and horizontal shaft. It is of the back pull-out design enabling removal of the motor, coupling, bearing bracket and impeller without disturbing the pump housing or pipework.

The unbalanced rubber bellows seal is according to DIN EN 12756.

The pump is fitted with a foot-mounted, fan-cooled asynchronous motor. Pump and motor are mounted on a common base frame.

Controls:

Frequency converter: None

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: 2940 rpm

Rated flow: 164.7 m³/h

Pump with motor (Yes/No): Y

Rated head: 28.02 m

Actual impeller diameter: 157 mm

Nominal impeller diameter: 225

Primary shaft seal: BQQE

Code for shaft seal: BQQE

Mechanical seal type: Single

Curve tolerance: ISO9906:2012 2B

Bearing design: Standard

Materials:

Type key, code for materials: S3

Type key, code for rubber components. E = EPDM, V=FKM: E

Pump housing: Cast iron

EN 1561 EN-GJL-250

ASTM A48-35

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1	Impeller: Stainless steel EN 1.4308 ASTM A351 CF8 Pump house, internal coating: Painting Shaft: Steel EN 1.0503/1.4301 AISI 1045/304 Installation: Maximum ambient temperature: 40 °C Maximum operating pressure: 16 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 100 Size of outlet connection: DN 80 Pressure rating for connection: PN 16 Coupling type: Flexible w/o spacer Base frame design: C-channel Code for base frame: 310 Grouting (Yes/No): N Electrical data: Motor type: 160L Rated power - P2: 18.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-400/660-690 V Rated current: 33,7-32/19,4-18,6 A Starting current: 950 % Cos phi - power factor: 0.89 Rated speed: 2940 rpm IE efficiency: IE4 93,7% IE Efficiency class: IE4 Motor efficiency at full load: 93.7 % Motor efficiency at 3/4 load: 94.1 % Motor efficiency at 1/2 load: 93.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 (Protect. water jets/dust) Insulation class (IEC 85): F Motor No: 92816739 Bearing insulation type N-end: N Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 295 kg Gross weight: 330 kg Shipping volume: 0.726 m³



Company name:

Created by:

Phone:

Date:

12/01/2026

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1	Language on pump nameplate: CN