

Qty.	Description
1	NK 80-200/222 AA1F2AESBAQE UW1  Note! Product picture may differ from actual product Product No.: 98313062 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: 0 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2975 rpm Rated flow: 228.8 m³/h Pump with motor (Yes/No): Y Rated head: 60.51 m Actual impeller diameter: 222 mm Nominal impeller diameter: 200 Primary shaft seal: BAQE Code for shaft seal: BAQE Mechanical seal type: Single Curve tolerance: ISO9906:2012 3B Bearing design: Standard Materials: Type key, code for materials: A Type key, code for rubber components. E = EPDM, V=FKM: E Pump housing: Cast iron EN-GJL-250 ASTM class 35



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1	Wear ring: Brass CuZn34Mn3Al2Fe1-C Impeller: Cast iron EN-GJL-200 ASTM class 30 Pump house, internal 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 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: EN/ISO Code for base frame: 9C ST Grouting (Yes/No): Y Electrical data: Motor type: INNOMOTICS Rated power - P2: 55 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 95/55 A Starting current: 670 % Cos phi - power factor: 0.89 Rated speed: 2975 rpm IE efficiency: IE3 94,3% IE Efficiency class: IE3 Motor efficiency at full load: 94.3 % Motor efficiency at 3/4 load: 94.5 % Motor efficiency at 1/2 load: 93.9 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98943375 Bearing insulation type N-end: Steel bearing Others: Minimum efficiency index, MEI ≥: 0.65 Net weight: 658 kg



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1	Gross weight: 725 kg Shipping volume: 1.54 m³ Language on pump nameplate: GB