


Qty.	Description
1	<p><b>NK 80-200/200 AA1F2AESBAQESW1</b></p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: <a href="#">97827830</a></p> <p>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.</p> <p>The unbalanced rubber bellows seal is according to DIN EN 12756.</p> <p>The pump is fitted with a foot-mounted, fan-cooled asynchronous motor. Pump and motor are mounted on a common base frame.</p> <p>Controls:</p> <p>Frequency converter: None</p> <p>Pressure sensor: N</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: 0 .. 120 °C</p> <p>Selected liquid temperature: 20 °C</p> <p>Density: 998.2 kg/m<sup>3</sup></p> <p>Technical:</p> <p>Pump speed on which pump data are based: 2950 rpm</p> <p>Rated flow: 199.2 m<sup>3</sup>/h</p> <p>Pump with motor (Yes/No): Y</p> <p>Rated head: 46.26 m</p> <p>Actual impeller diameter: 200 mm</p> <p>Nominal impeller diameter: 200</p> <p>Primary shaft seal: BAQE</p> <p>Code for shaft seal: BAQE</p> <p>Mechanical seal type: Single</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p>Bearing design: Standard</p> <p>Materials:</p> <p>Type key, code for materials: A</p> <p>Type key, code for rubber components. E = EPDM, V=FKM: E</p> <p>Pump housing: Cast iron</p> <p>EN-GJL-250</p> <p>ASTM class 35</p>



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1	<p>Wear ring: Brass</p> <p>Impeller: Cast iron</p> <p>EN-GJL-200</p> <p>ASTM class 30</p> <p>Pump house, internal coating: CED</p> <p>Shaft: Stainless steel</p> <p>EN 1.4301</p> <p>AISI 304</p> <p>Installation:</p> <p>Maximum ambient temperature: 60 °C</p> <p>Maximum operating pressure: 16 bar</p> <p>Pipe connection standard: EN 1092-2</p> <p>Type of inlet connection: DIN</p> <p>Type of outlet connection: DIN</p> <p>Size of inlet connection: DN 100</p> <p>Size of outlet connection: DN 80</p> <p>Pressure rating for connection: PN 16</p> <p>Coupling type: Flexible w/o spacer</p> <p>Base frame design: EN/ISO</p> <p>Code for base frame: 8 ST</p> <p>Grouting (Yes/No): N</p> <p>Electrical data:</p> <p>Motor type: 200LB</p> <p>Rated power - P2: 37 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-420D/660-725Y V</p> <p>Rated current: 66,5-60,5/38,5-35,0 A</p> <p>Starting current: 750 %</p> <p>Cos phi - power factor: 0.9</p> <p>Rated speed: 2950 rpm</p> <p>IE efficiency: IE2 92,6%</p> <p>IE Efficiency class: IE2</p> <p>Motor efficiency at full load: 92.6 %</p> <p>Motor efficiency at 3/4 load: 92.6 %</p> <p>Motor efficiency at 1/2 load: 91.5 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 (Protect. water jets/dust)</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 83K15134</p> <p>Bearing insulation type N-end: Steel bearing</p> <p>Others:</p> <p>Minimum efficiency index, MEI ≥: 0.65</p> <p>Net weight: 472 kg</p> <p>Gross weight: 500 kg</p>



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1	Shipping volume: 0.933 m <sup>3</sup>