


Qty.	Description
1	<p>CRN 64-4A-F-A-V-HQQV</p>  <p>Product No.: 98640958</p> <p>Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via DIN flanges.</p> <p>The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p>Controls: Frequency converter: NONE</p> <p>Liquid: Pumped liquid: Water Liquid temperature range: -20 .. 90 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³</p> <p>Technical: Pump speed on which pump data are based: 2947 rpm Rated flow: 64 m³/h Rated head: 91 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B</p> <p>Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Bearing: SIC Support bearing: Graflon</p> <p>Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 100 Size of outlet connection: DN 100 Pressure rating for pipe connection: PN 16 Flange size for motor: FF300</p>

Qty.	Description
	<p>Electrical data:</p> <p>Motor standard: IEC</p> <p>Motor type: MMG180M</p> <p>IE Efficiency class: IE2</p> <p>Rated power - P2: 22 kW</p> <p>Power (P2) required by pump: 22 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-420D/660-0Y V</p> <p>Rated current: 41,0-38,5/23,6-23,0 A</p> <p>Starting current: 830-830 %</p> <p>Cos phi - power factor: 0.87</p> <p>Rated speed: 2960 rpm</p> <p>Efficiency: IE2 92,1%</p> <p>Motor efficiency at full load: 92.1-92.1 %</p> <p>Motor efficiency at 3/4 load: 92.2-92.2 %</p> <p>Motor efficiency at 1/2 load: 90.8-90.8 %</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: 81N15330</p> <p>Others:</p> <p>Minimum efficiency index, MEI $\hat{\alpha}\%$: 0.70</p> <p>Net weight: 268 kg</p> <p>Gross weight: 319 kg</p> <p>Shipping volume: 0.82 m³</p>