


Position	Qty.	Description
	1	<p><b>CME10-3 A-R-G-V-AQQV</b></p>  <p>Product No.: <a href="#">97516782</a></p> <p>Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge port. Pump materials in contact with the liquid are in high-grade stainless steel. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal Whitworth pipe threads, Rp (ISO 7/1).</p> <p>The pump is fitted with a 3-phase, foot-mounted, 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.</p> <p>A control panel on the motor terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The control panel has indicator lights for "Operation" and "Fault".</p> <p>Communication with the pump is possible by means of the Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".</p> <p>The terminal box holds terminals for these connections:</p> <ul style="list-style-type: none"> <li>- pump start/stop input (potential-free contact)</li> <li>- remote setpoint setting via analog signal, 0-10 V, 0(4)-20 mA</li> <li>- 10 V voltage supply for setpoint potentiometer, I<sub>max</sub> = 5 mA</li> <li>- one analog sensor input, 0-10 V, 0(4)-20 mA</li> <li>- 24 V voltage supply for sensor, I<sub>max</sub> = 40 mA</li> <li>- one digital input</li> <li>- one potential-free fault signal relay with changeover contact, reporting "Fault", "Operation" or "Ready"</li> <li>- RS-485 GENIbus connection.</li> </ul> <p><b>Liquid:</b>  Pumped liquid: Water  Liquid temperature range: -20 .. 90 °C  Liquid temperature during operation: 20 °C  Density: 998.2 kg/m<sup>3</sup></p> <p><b>Technical:</b>  Speed for pump data: 3480 rpm  Rated flow: 12 m<sup>3</sup>/h  Rated head: 54.8 m  Primary shaft seal: AQQV  Approvals on nameplate: CE,WRAS,ACS,TR,CURUS,EAC  Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b>  Pump housing: Stainless steel  DIN W.-Nr. 1.4401  AISI 316</p>

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		<p>Impeller: Stainless steel DIN W.-Nr. 1.4401 AISI 316</p> <p>Rubber: FKM</p> <p><b>Installation:</b>            Maximum ambient temperature: 40 °C            Maximum operating pressure: 16 bar            Max pressure at stated temp: 16 bar / 90 °C            Flange standard: WHITWORTH THREAD RP            Pump inlet: Rp 1 1/2            Pump outlet: Rp 1 1/2</p> <p><b>Electrical data:</b>            Motor type: 112MC            IE Efficiency class: IE2            Rated power - P2: 4 kW            Mains frequency: 50 Hz            Rated voltage: 3 x 380-480 V            Rated current: 8.10-6.60 A            Rated speed: 360-3530 rpm            Enclosure class (IEC 34-5): IP55            Insulation class (IEC 85): F</p> <p><b>Others:</b>            Minimum efficiency index, MEI : 0,52            Net weight: 49.9 kg            Gross weight: 53.4 kg</p>