


| Position | Qty. | Description   |
|----------|------|---|
|          | 1    | <p><b>CME5-2 A-R-G-E-AQQE</b></p>  <p>Product No.: <a href="#">98395003</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 1-phase, fan-cooled, permanent-magnet, synchronous motor. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.</p> <p>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 Grundfos Eye indicator on the control panel provides visual indication of pump status:</p> <ul style="list-style-type: none"> <li>- "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights)</li> <li>- "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently yellow indicator lights)</li> <li>- "Alarm": Motor has stopped (flashing red indicator lights).</li> </ul> <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>- one dedicated digital input</li> <li>- two analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V</li> <li>- 5 V voltage supply to potentiometer and sensor</li> <li>- one configurable digital input or open-collector output</li> <li>- Grundfos Digital Sensor input and output</li> <li>- 24 V voltage supply for sensors</li> <li>- two signal relay outputs (potential-free contacts)</li> <li>- GENIbus connection</li> <li>- interface for Grundfos CIM fieldbus module.</li> </ul> <p><b>Liquid:</b></p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -20 .. 120 °C</p> <p>Liquid temperature during operation: 20 °C</p> <p>Density: 998.2 kg/m<sup>3</sup></p> <p><b>Technical:</b></p> <p>Speed for pump data: 3480 rpm</p> <p>Rated flow: 5.6 m<sup>3</sup>/h</p> <p>Rated head: 21.4 m</p> |

| Position | Qty. | Description   |
|----------|------|---|
|          |      | <p>Primary shaft seal: AQQE</p> <p>Approvals on nameplate: CE,TR,CURUS,EAC</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b></p> <p>Pump housing: Stainless steel<br/>DIN W.-Nr. 1.4401<br/>AISI 316</p> <p>Impeller: Stainless steel<br/>DIN W.-Nr. 1.4401<br/>AISI 316</p> <p>Rubber: EPDM</p> <p><b>Installation:</b></p> <p>Maximum ambient temperature: 40 °C</p> <p>Maximum operating pressure: 16 bar</p> <p>Max pressure at stated temp: 10 bar / 120 °C<br/>16 bar / 90 °C</p> <p>Flange standard: WHITWORTH THREAD RP</p> <p>Pump inlet: Rp 1 1/4</p> <p>Pump outlet: Rp 1</p> <p><b>Electrical data:</b></p> <p>Motor type: 80B</p> <p>IE Efficiency class: IE5</p> <p>Rated power - P2: 1.1 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 1 x 200-240 V</p> <p>Rated current: 6,70-5,60 A</p> <p>Rated speed: 360-4000 rpm</p> <p>Enclosure class (IEC 34-5): IP55</p> <p>Insulation class (IEC 85): F</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI : 0,7</p> <p>Net weight: 14.2 kg</p> <p>Gross weight: 17.7 kg</p> <p>Country of origin: HU</p> <p>Custom tariff no.: 84137075</p> |

| Description                          | Value               |
|--------------------------------------|---------------------|
| <b>General information:</b>          |                     |
| Product name:                        | CME5-2 A-R-G-E-AQQE |
| Product No:                          | 98395003            |
| EAN number:                          | 5711494282135       |
| <b>Technical:</b>                    |                     |
| Speed for pump data:                 | 3480 rpm            |
| Rated flow:                          | 5.6 m³/h            |
| Rated head:                          | 21.4 m              |
| Impellers:                           | 2                   |
| Primary shaft seal:                  | AQQE                |
| Approvals on nameplate:              | CE,TR,CURUS,EAC     |
| Curve tolerance:                     | ISO9906:2012 3B     |
| Pump version:                        | A                   |
| Model:                               | A                   |
| <b>Materials:</b>                    |                     |
| Pump housing:                        | Stainless steel     |
|                                      | DIN W.-Nr. 1.4401   |
|                                      | AISI 316            |
| Impeller:                            | Stainless steel     |
|                                      | DIN W.-Nr. 1.4401   |
|                                      | AISI 316            |
| Material code:                       | G                   |
| Rubber:                              | EPDM                |
| Code for rubber:                     | E                   |
| <b>Installation:</b>                 |                     |
| Maximum ambient temperature:         | 40 °C               |
| Maximum operating pressure:          | 16 bar              |
| Max pressure at stated temp:         | 10 bar / 120 °C     |
|                                      | 16 bar / 90 °C      |
| Flange standard:                     | WHITWORTH THREAD RP |
| Connect code:                        | R                   |
| Pump inlet:                          | Rp 1 1/4            |
| Pump outlet:                         | Rp 1                |
| <b>Liquid:</b>                       |                     |
| Pumped liquid:                       | Water               |
| Liquid temperature range:            | -20 .. 120 °C       |
| Liquid temperature during operation: | 20 °C               |
| Density:                             | 998.2 kg/m³         |
| <b>Electrical data:</b>              |                     |
| Motor type:                          | 80B                 |
| IE Efficiency class:                 | IE5                 |
| Rated power - P2:                    | 1.1 kW              |
| Mains frequency:                     | 50 Hz               |
| Rated voltage:                       | 1 x 200-240 V       |
| Rated current:                       | 6,70-5,60 A         |
| Rated speed:                         | 360-4000 rpm        |
| Enclosure class (IEC 34-5):          | IP55                |
| Insulation class (IEC 85):           | F                   |
| <b>Others:</b>                       |                     |
| Minimum efficiency index, MEI :      | 0,7                 |
| Net weight:                          | 14.2 kg             |
| Gross weight:                        | 17.7 kg             |
| Config. file no:                     | 98499010            |
| Country of origin:                   | HU                  |
| Custom tariff no.:                   | 84137075            |

