

## MMS6000 400/50 460/60 37kW SD SIC Grundfos pump 96457294




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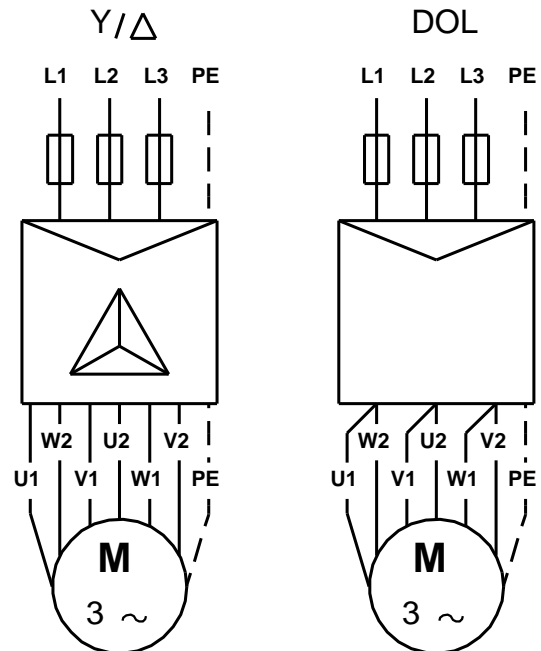
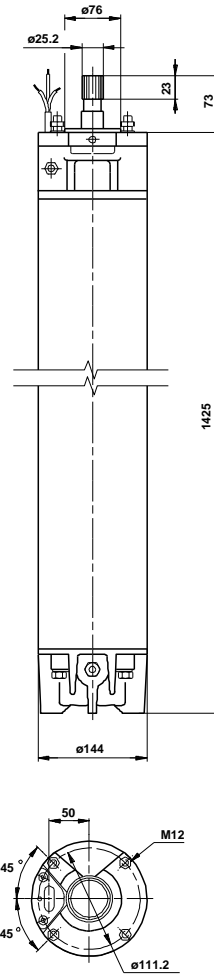
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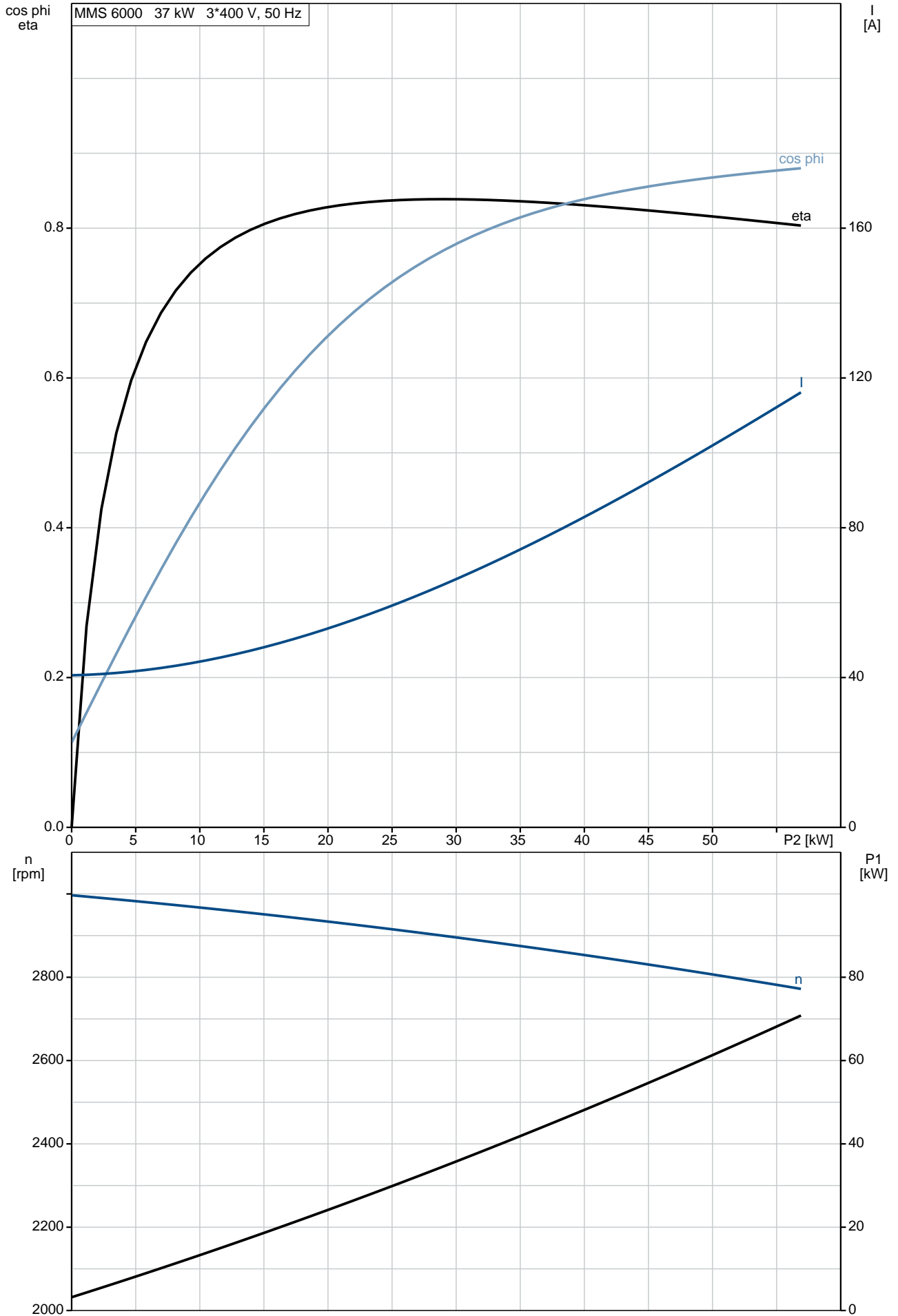
| Position                       | Qty.                     | Description   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
|--------------------------------|--------------------------|---|-----------------------------|-------|----------------------------|-------|-----------------------|---------|----------------|-----|--------|-----------|--|-------------------|--|------------|-----------------|--------|-------------|---------|-------------------|-------|------------------|-------|----------------|-------------------|--------------------|----------|----------------|------------------|-------------------|---------------|-------------------------|----------------|--------------|--------------------|-------------------------|--------|----------------------|---------------|-------------------|---------------|--------------------|--------------------------|--------------------------------|------|-------------------------------|------|-------------------------------|------|----------------|------------|-----------------------------|------|-----------------------------|----|---------------------|-----------|-----------|-----|-------------|--------|------------------|----------------------|
|                                | 1                        | <p data-bbox="323 163 446 197"><b>MMS 6000</b></p>  <p data-bbox="710 593 1197 622"><b>Note!</b> Product picture may differ from actual product</p> <p data-bbox="323 627 598 656">Product No.: On request</p> <p data-bbox="323 656 1396 712">The motor is a 3-phase motor of the wet wound rewindable type with sand shield, liquid-lubricated bearings and pressure equalizing diaphragm.</p> <p data-bbox="323 745 406 775"><b>Liquid:</b></p> <table data-bbox="323 775 750 835"> <tr> <td>Max liquid t at 0.15 m/sec:</td> <td>20 °C</td> </tr> <tr> <td>Max liquid t at 0.5 m/sec:</td> <td>25 °C</td> </tr> </table> <p data-bbox="323 864 446 893"><b>Technical:</b></p> <table data-bbox="323 893 774 954"> <tr> <td>Shaft seal for motor:</td> <td>SIC/SIC</td> </tr> <tr> <td>Motor version:</td> <td>T25</td> </tr> </table> <p data-bbox="323 983 438 1012"><b>Materials:</b></p> <table data-bbox="323 1012 885 1104"> <tr> <td>Motor:</td> <td>Cast iron</td> </tr> <tr> <td></td> <td>DIN W.-Nr. 0.6025</td> </tr> <tr> <td></td> <td>ASTM 35-40</td> </tr> </table> <p data-bbox="323 1133 462 1162"><b>Installation:</b></p> <table data-bbox="323 1162 750 1191"> <tr> <td>Motor diameter:</td> <td>6 inch</td> </tr> </table> <p data-bbox="323 1220 502 1249"><b>Electrical data:</b></p> <table data-bbox="323 1249 917 1877"> <tr> <td>Motor type:</td> <td>MMS6000</td> </tr> <tr> <td>Rated power - P2:</td> <td>37 kW</td> </tr> <tr> <td>Mains frequency:</td> <td>50 Hz</td> </tr> <tr> <td>Rated voltage:</td> <td>3 x 380-400-415 V</td> </tr> <tr> <td>Voltage tolerance:</td> <td>+6/-10 %</td> </tr> <tr> <td>Rated current:</td> <td>83.0-80.0-79.0 A</td> </tr> <tr> <td>Starting current:</td> <td>420-430-430 %</td> </tr> <tr> <td>Cos phi - power factor:</td> <td>0.85-0.83-0.81</td> </tr> <tr> <td>Rated speed:</td> <td>2850-2860-2880 rpm</td> </tr> <tr> <td>Rated full-load torque:</td> <td>124 Nm</td> </tr> <tr> <td>Locked-rotor torque:</td> <td>140-150-170 %</td> </tr> <tr> <td>Breakdown torque:</td> <td>210-230-250 %</td> </tr> <tr> <td>Moment of inertia:</td> <td>0.0166 kg m<sup>2</sup></td> </tr> <tr> <td>Motor efficiency at full load:</td> <td>83 %</td> </tr> <tr> <td>Motor efficiency at 3/4 load:</td> <td>85 %</td> </tr> <tr> <td>Motor efficiency at 1/2 load:</td> <td>84 %</td> </tr> <tr> <td>Start. method:</td> <td>star/delta</td> </tr> <tr> <td>Enclosure class (IEC 34-5):</td> <td>IP58</td> </tr> <tr> <td>Built-in temp. transmitter:</td> <td>no</td> </tr> <tr> <td>Winding resistance:</td> <td>0.321 ohm</td> </tr> <tr> <td>Windings:</td> <td>PVC</td> </tr> </table> <p data-bbox="323 1906 406 1935"><b>Others:</b></p> <table data-bbox="323 1935 782 1995"> <tr> <td>Net weight:</td> <td>125 kg</td> </tr> <tr> <td>Shipping volume:</td> <td>0.123 m<sup>3</sup></td> </tr> </table> | Max liquid t at 0.15 m/sec: | 20 °C | Max liquid t at 0.5 m/sec: | 25 °C | Shaft seal for motor: | SIC/SIC | Motor version: | T25 | Motor: | Cast iron |  | DIN W.-Nr. 0.6025 |  | ASTM 35-40 | Motor diameter: | 6 inch | Motor type: | MMS6000 | Rated power - P2: | 37 kW | Mains frequency: | 50 Hz | Rated voltage: | 3 x 380-400-415 V | Voltage tolerance: | +6/-10 % | Rated current: | 83.0-80.0-79.0 A | Starting current: | 420-430-430 % | Cos phi - power factor: | 0.85-0.83-0.81 | Rated speed: | 2850-2860-2880 rpm | Rated full-load torque: | 124 Nm | Locked-rotor torque: | 140-150-170 % | Breakdown torque: | 210-230-250 % | Moment of inertia: | 0.0166 kg m <sup>2</sup> | Motor efficiency at full load: | 83 % | Motor efficiency at 3/4 load: | 85 % | Motor efficiency at 1/2 load: | 84 % | Start. method: | star/delta | Enclosure class (IEC 34-5): | IP58 | Built-in temp. transmitter: | no | Winding resistance: | 0.321 ohm | Windings: | PVC | Net weight: | 125 kg | Shipping volume: | 0.123 m <sup>3</sup> |
| Max liquid t at 0.15 m/sec:    | 20 °C                    |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Max liquid t at 0.5 m/sec:     | 25 °C                    |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Shaft seal for motor:          | SIC/SIC                  |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Motor version:                 | T25                      |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Motor:                         | Cast iron                |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
|                                | DIN W.-Nr. 0.6025        |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
|                                | ASTM 35-40               |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Motor diameter:                | 6 inch                   |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Motor type:                    | MMS6000                  |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Rated power - P2:              | 37 kW                    |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Mains frequency:               | 50 Hz                    |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Rated voltage:                 | 3 x 380-400-415 V        |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Voltage tolerance:             | +6/-10 %                 |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Rated current:                 | 83.0-80.0-79.0 A         |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Starting current:              | 420-430-430 %            |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Cos phi - power factor:        | 0.85-0.83-0.81           |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Rated speed:                   | 2850-2860-2880 rpm       |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Rated full-load torque:        | 124 Nm                   |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Locked-rotor torque:           | 140-150-170 %            |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Breakdown torque:              | 210-230-250 %            |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Moment of inertia:             | 0.0166 kg m <sup>2</sup> |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Motor efficiency at full load: | 83 %                     |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Motor efficiency at 3/4 load:  | 85 %                     |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Motor efficiency at 1/2 load:  | 84 %                     |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Start. method:                 | star/delta               |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Enclosure class (IEC 34-5):    | IP58                     |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Built-in temp. transmitter:    | no                       |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Winding resistance:            | 0.321 ohm                |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Windings:                      | PVC                      |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Net weight:                    | 125 kg                   |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |
| Shipping volume:               | 0.123 m <sup>3</sup>     |   |                             |       |                            |       |                       |         |                |     |        |           |  |                   |  |            |                 |        |             |         |                   |       |                  |       |                |                   |                    |          |                |                  |                   |               |                         |                |              |                    |                         |        |                      |               |                   |               |                    |                          |                                |      |                               |      |                               |      |                |            |                             |      |                             |    |                     |           |           |     |             |        |                  |                      |

| Description                    | Value                    |
|--------------------------------|--------------------------|
| <b>General information:</b>    |                          |
| Product name:                  | MMS 6000                 |
| Product No:                    | On request               |
| EAN number:                    | On request               |
| <b>Technical:</b>              |                          |
| Shaft seal for motor:          | SIC/SIC                  |
| Motor version:                 | T25                      |
| <b>Materials:</b>              |                          |
| Motor:                         | Cast iron                |
|                                | DIN W.-Nr. 0.6025        |
|                                | ASTM 35-40               |
| <b>Installation:</b>           |                          |
| Motor diameter:                | 6 inch                   |
| <b>Liquid:</b>                 |                          |
| Max liquid t at 0.15 m/sec:    | 20 °C                    |
| Max liquid t at 0.5 m/sec:     | 25 °C                    |
| <b>Electrical data:</b>        |                          |
| Motor type:                    | MMS6000                  |
| Rated power - P2:              | 37 kW                    |
| Mains frequency:               | 50 Hz                    |
| Rated voltage:                 | 3 x 380-400-415 V        |
| Voltage tolerance:             | +6/-10 %                 |
| Rated current:                 | 83.0-80.0-79.0 A         |
| Starting current:              | 420-430-430 %            |
| Cos phi - power factor:        | 0.85-0.83-0.81           |
| Rated speed:                   | 2850-2860-2880 rpm       |
| Rated full-load torque:        | 124 Nm                   |
| Locked-rotor torque:           | 140-150-170 %            |
| Breakdown torque:              | 210-230-250 %            |
| Moment of inertia:             | 0.0166 kg m <sup>2</sup> |
| Axial load max:                | 2500 kg                  |
| Motor efficiency at full load: | 83 %                     |
| Motor efficiency at 3/4 load:  | 85 %                     |
| Motor efficiency at 1/2 load:  | 84 %                     |
| Start. method:                 | star/delta               |
| Enclosure class (IEC 34-5):    | IP58                     |
| Motor protec:                  | NONE                     |
| Thermal protec:                | external                 |
| Built-in temp. transmitter:    | no                       |
| Winding resistance:            | 0.321 ohm                |
| Windings:                      | PVC                      |
| <b>Others:</b>                 |                          |
| Net weight:                    | 125 kg                   |
| Shipping volume:               | 0.123 m <sup>3</sup>     |

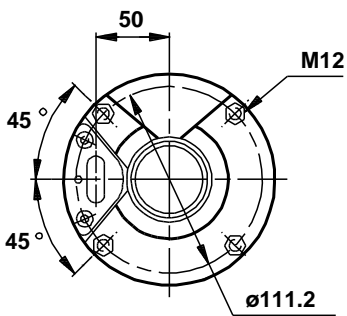
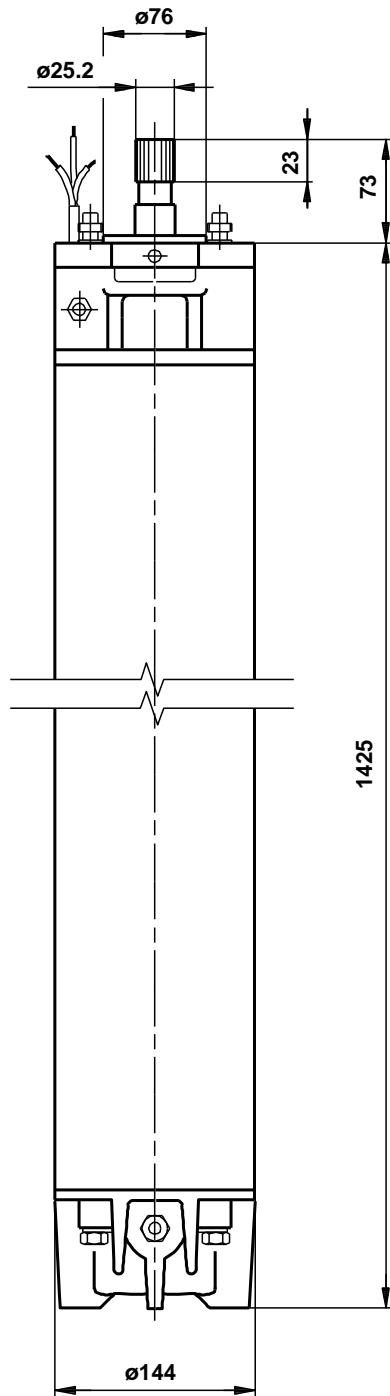


|        |       |
|--------|-------|
| U1, W2 | Brown |
| V1, U2 | Black |
| W1, V2 | Grey  |

# On request MMS 6000 50 Hz

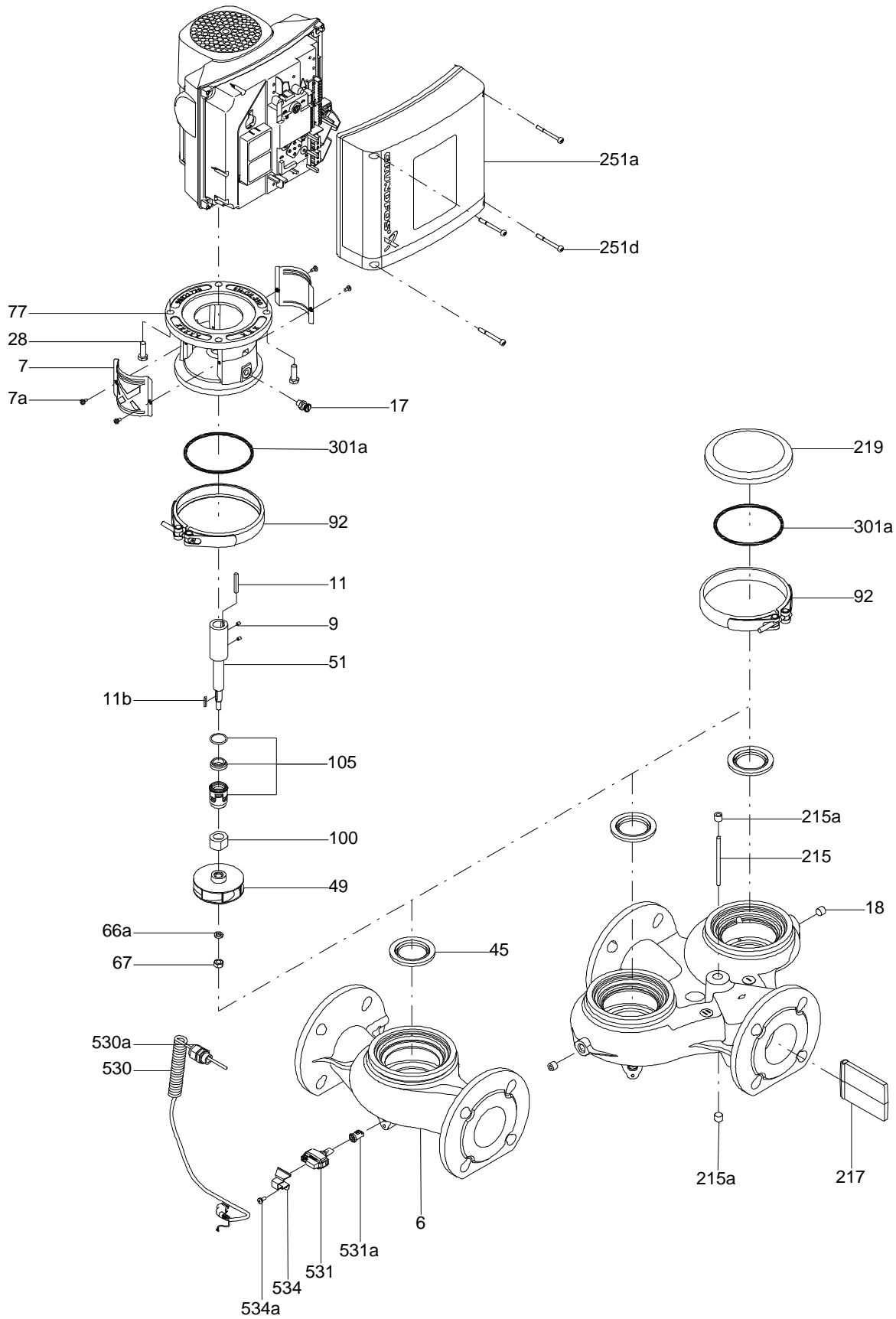


# On request MMS 6000 50 Hz

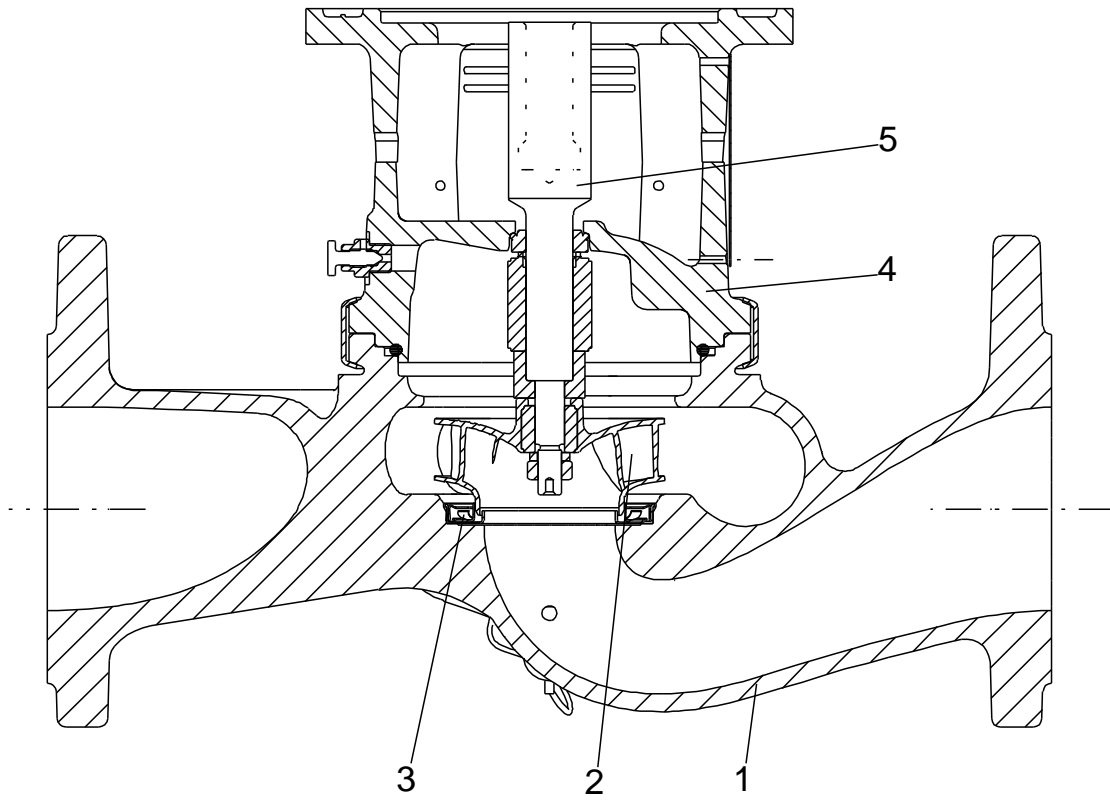


Note! All units are in [mm] unless others are stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

Exploded view

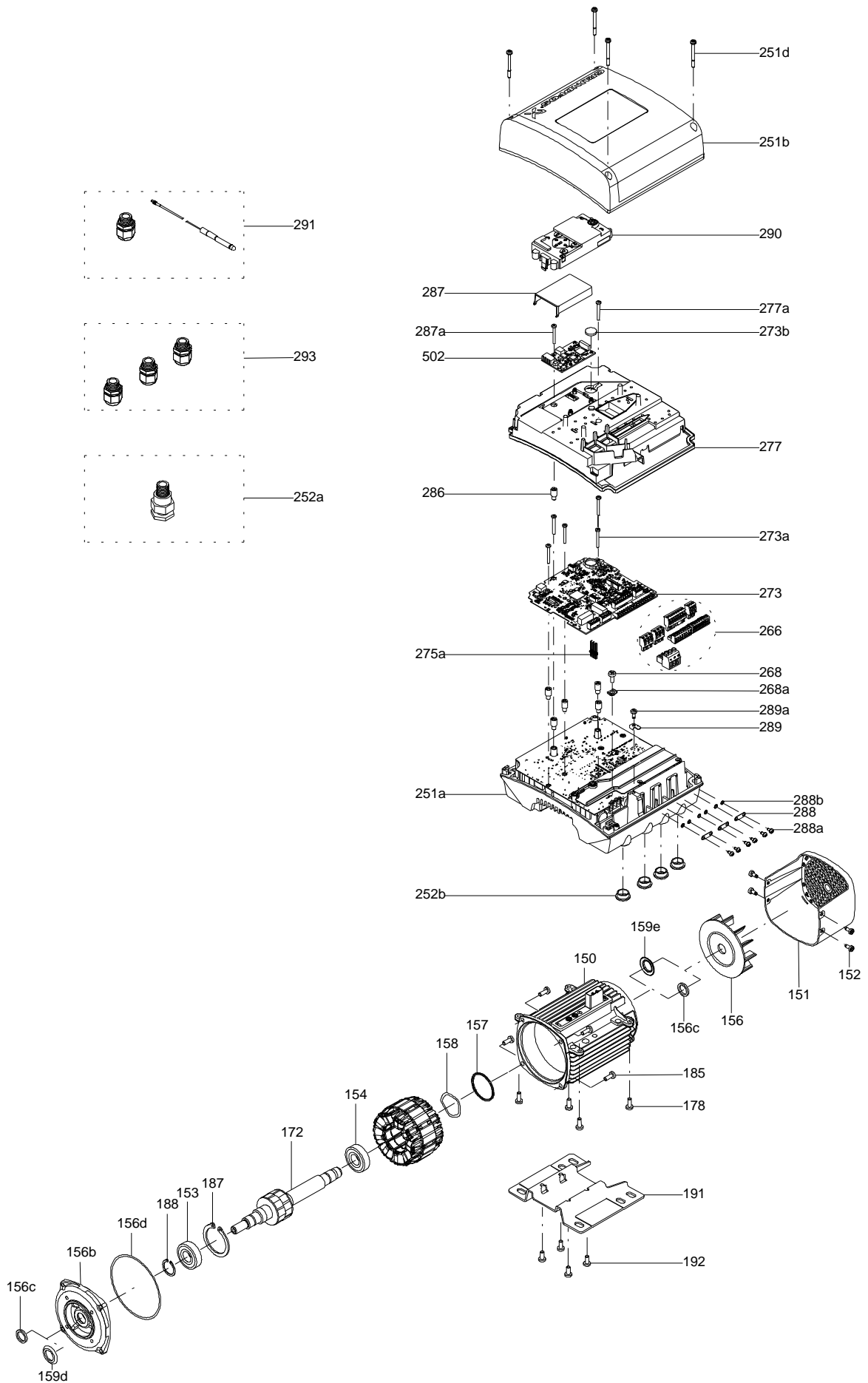


Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view ( TM057026 for MGE model H/I )





**Parts list MMS 6000, Product No. On request**  
**Valid from 1.5.1999 (9917)**

| Pos  | Description                    | Annotation | Données de classification  | Référence | Quantité | Unité |
|------|--------------------------------|------------|--|-----------|----------|-------|
|      | Stator                         |            |  |           | 1        | pcs   |
|      | Stud                           |            |  |           | 4        | pcs   |
| -    | Bearing housing, upper         |            |  |           | 1        | pcs   |
| 204  | Bearing ring                   |            |  |           | 2        |       |
| 205  | Bearing housing, upper         |            |  |           | 1        |       |
| 35b  | Nut                            |            | Thread: M12  |           | 8        | pcs   |
| 66a  | Washer                         |            | Designation: DIN 125 A2<br>Internal diameter: 13<br>Outer diameter: 24<br>Thickness: 2,5 |           | 8        | pcs   |
| 202  | Shaft w/rotor                  |            |  |           | 1        | pcs   |
| 202a | Key                            |            |  |           | 1        | pcs   |
| 203  | Thrust bearing part stationary |            |  |           | 1        | pcs   |
| 203c | Socket set screw               |            | Length (mm): 8<br>Thread: M6   |           | 3        | pcs   |
| 206  | Thrust bearing part, rotating  |            |  |           | 1        | pcs   |
| 207  | Diaphragm cover                |            |  |           | 1        | pcs   |
| 211  | Thrust bearing disc, fixed     |            |  |           | 1        | pcs   |
| 212  | Diaphragm                      |            |  |           | 1        | pcs   |
| 213  | End shield                     |            |  |           | 1        | pcs   |
| 215  | Socket set screw               |            |  |           | 3        | pcs   |
| 216  | Retaining ring                 |            |  |           | 1        | pcs   |
| 216a | Washer                         |            |  |           | 1        | pcs   |
| 216a | Washer                         |            |  |           | 1        | pcs   |
| 216a | Diverting disc                 |            |  |           | 2        | pcs   |
| 222a | Air vent screw                 |            |  |           | 1        | pcs   |
| 222b | Washer                         |            |  |           | 2        | pcs   |
| 223a | Plug                           |            |  |           | 1        | pcs   |
| 224  | O-ring                         |            |  |           | 2        | pcs   |
| 226  | Mechanical seal                |            |  |           | 1        | pcs   |
| 227  | Sholder ring                   |            |  |           | 1        | pcs   |
| 228  | Locking ring                   |            |  |           | 1        | pcs   |
| 229  | Sand slinger                   |            |  |           | 1        | pcs   |
| 230a | Slot cheese head screw         |            | Length (mm): 8<br>Thread: M5   |           | 1        | pcs   |
| 230b | Washer                         |            | Designation: RUSTLESS<br>Internal diameter: 5.3<br>Outer diameter: 10<br>Thickness: 1    |           | 1        | pcs   |
| 230c | Earth connector                |            |  |           | 1        | pcs   |
| 234  | Gasket                         |            |  |           | 1        | pcs   |
| -    | Bearing bracket, lower         |            |  |           | 1        | pcs   |
| 204  | Bearing ring                   |            |  |           | 2        |       |
| 236  | Bearing housing, lower         |            |  |           | 1        |       |
| 242  | Upthrust spacer                |            |  |           | 1        |       |
| 242a | Hex socket head cap screw      |            |  |           | 3        |       |
| 237  | Stud                           |            |  |           | 4        | pcs   |
| 247  | Hex socket head cap screw      |            |  |           | 1        | pcs   |
| 248  | Socket button head screw       |            |  |           | 4        | pcs   |
| 250  | Flange, cable gland            |            |  |           | 1        | pcs   |
| 250  | Flange, cable gland            |            |  |           | 1        | pcs   |
| 250a | Grommet                        |            |  |           | 1        | pcs   |
| 250a | Grommet                        |            |  |           | 1        | pcs   |
| 250b | Cable gland                    |            |  |           | 4        | pcs   |
| 250c | Cable gland                    |            |  |           | 2        | pcs   |

*Disclaimer: The information about the Grundfos pump in this document may be outdated.*

*Data may be subject to alterations without further notice.*

*Please contact us to verify the data above is still accurate/up-to-date.*

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