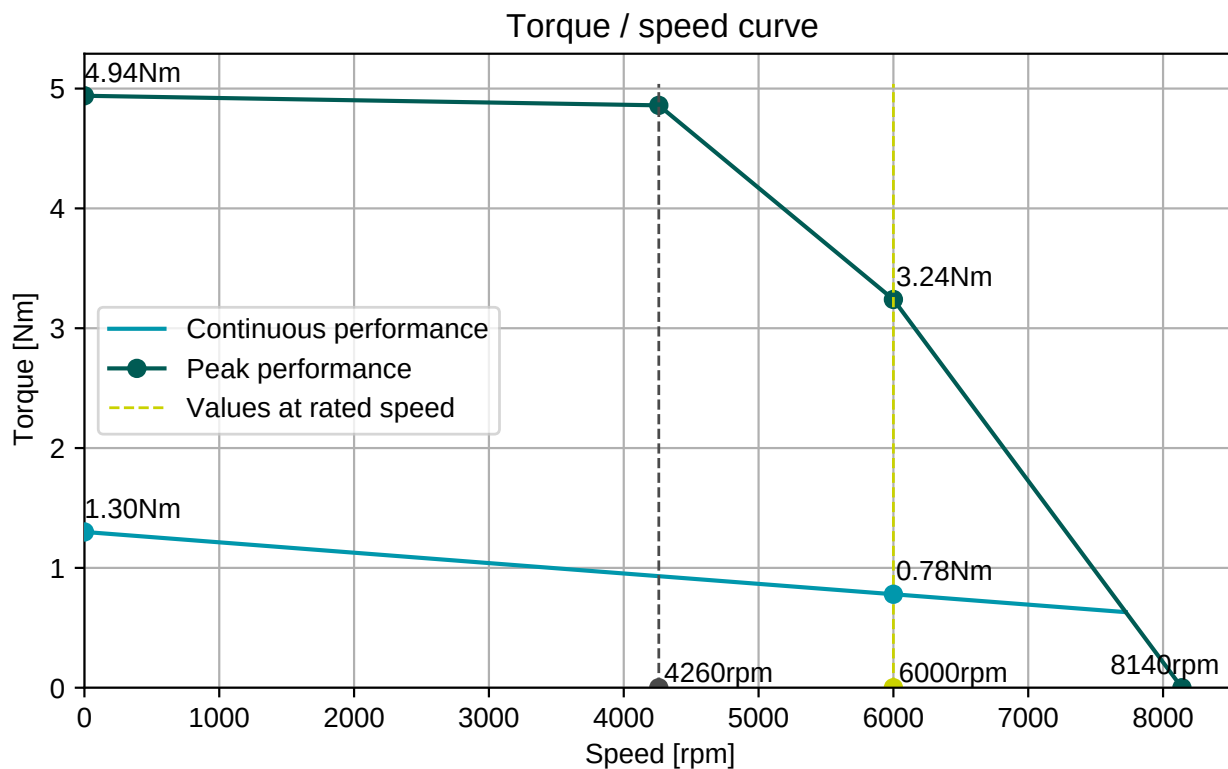
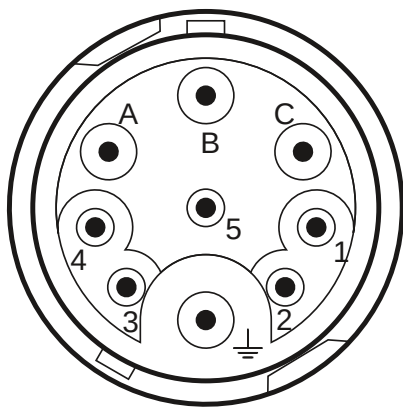


| Engineering data (WIN 1270)          |                              | Mechanical data (setting 49)                           |                                                     |
|--------------------------------------|------------------------------|--------------------------------------------------------|-----------------------------------------------------|
| DC bus voltage                       | 560 V DC                     | Max mechanical speed                                   | 12000 rpm                                           |
| Nominal AC voltage                   | 380 V AC (rms)               | Mech. time constant                                    | 1.53 ms                                             |
| Rated voltage                        | 276 V AC (rms)               | Thermal time constant                                  | 24 min                                              |
| Rated power                          | 490 W                        | Rotor inertia                                          | 0.5 kgcm <sup>2</sup>                               |
| Rated speed                          | 6000 rpm                     | Protection                                             | IP64                                                |
| Rated torque                         | 0.78 Nm                      | Color                                                  | RAL 9005                                            |
| Rated current                        | 1.27 A (rms)                 | Cooling                                                | Convection                                          |
| Peak torque                          | 4.94 Nm                      | Motor-only mass                                        | 2.1 kg                                              |
| Peak current                         | 8.33 A (rms)                 | Max. axial force 20kh                                  | 45 N                                                |
| Stall torque                         | 1.3 Nm                       | Max. radial force 20kh                                 | 237 N*                                              |
| Stall current                        | 1.77 A (rms)                 | Max. axial force 100kh                                 | 26 N                                                |
| No load speed                        | 8140 rpm                     | Max. radial force 100kh                                | 139 N*                                              |
| EMF constant ±10%                    | 44.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                                     |
| Theoretical torque constant ±10%     | 0.734 Nm / A<br>(rms)        |                                                        |                                                     |
| Torque constant ±10%<br>@ rated load | 0.614 Nm / A<br>(rms)        |                                                        |                                                     |
| Number of poles                      | 10                           | Sensors                                                |                                                     |
| Electrical time constant             | 1.44 ms                      | Temperature                                            | PT1000 {PT1000}                                     |
| Winding terminal resistance          | 9.598 Ω                      | Feedback                                               | SKM36 (Hiperface) multi-turn,<br>128 sin/cos+12bits |
| Rotary field terminal inductance     | 13.8 mH                      | Brake                                                  |                                                     |
| Customs info                         |                              | Braking torque                                         | 4.50 Nm                                             |
| HS Code                              | 85015100                     | Voltage                                                | 24 V DC                                             |
|                                      |                              | Power @20°C                                            | 12.0 W                                              |
|                                      |                              | Current @20°C                                          | 0.50 A                                              |
|                                      |                              | Inertia                                                | 0.20 kgcm <sup>2</sup>                              |
|                                      |                              | Mass                                                   | 0.47 kg                                             |

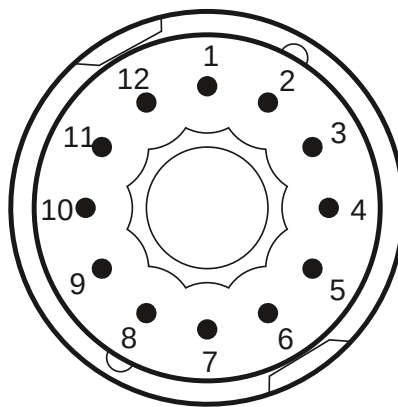


**EGA101N00000001000**  
 2x M15, 9 and 12 poles rotary



**Connector 1 (226)**

|           |        |
|-----------|--------|
| <b>A</b>  | U      |
| <b>B</b>  | V      |
| <b>C</b>  | W      |
| <b>PE</b> | PE     |
| <b>1</b>  | Brake+ |
| <b>2</b>  | Brake- |



**Connector 2 (208)**

|           |        |
|-----------|--------|
| <b>1</b>  | Us     |
| <b>2</b>  | GND    |
| <b>3</b>  | + COS  |
| <b>4</b>  | REFCOS |
| <b>5</b>  | REFSIN |
| <b>6</b>  | + SIN  |
| <b>7</b>  | Therm+ |
| <b>8</b>  | Therm- |
| <b>9</b>  | Data + |
| <b>10</b> | Data - |

