

**Engineering data (WIN 1579)**

|                                   |                            |
|-----------------------------------|----------------------------|
| DC bus voltage                    | 320 V DC                   |
| Nominal AC voltage                | 220 V AC (rms)             |
| Rated voltage                     | 177 V AC (rms)             |
| Rated power                       | 471 W                      |
| Rated speed                       | 6000 rpm                   |
| Rated torque                      | 0.75 Nm                    |
| Rated current                     | 1.9 A (rms)                |
| Peak torque                       | 8.36 Nm                    |
| Peak current                      | 18.8 A (rms)               |
| Stall torque                      | 2.2 Nm                     |
| Stall current                     | 4.29 A (rms)               |
| No load speed                     | 7070 rpm                   |
| EMF constant ±10%                 | 31 V AC (rms)<br>/ 1000rpm |
| Theoretical torque constant ±10%  | 0.513 Nm / A<br>(rms)      |
| Torque constant ±10% @ rated load | 0.395 Nm / A<br>(rms)      |
| Number of poles                   | 10                         |
| Electrical time constant          | 1.58 ms                    |
| Winding terminal resistance       | 2.151 Ω                    |
| Rotary field terminal inductance  | 3.39 mH                    |

**Customs info**

|         |          |
|---------|----------|
| HS Code | 85015100 |
|---------|----------|

**Mechanical data (setting 49)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 1.20 ms                |
| Thermal time constant   | 32 min                 |
| Rotor inertia           | 0.85 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 2.7 kg                 |
| Max. axial force 20kh   | 51 N                   |
| Max. radial force 20kh  | 266 N*                 |
| Max. axial force 100kh  | 30 N                   |
| Max. radial force 100kh | 156 N*                 |

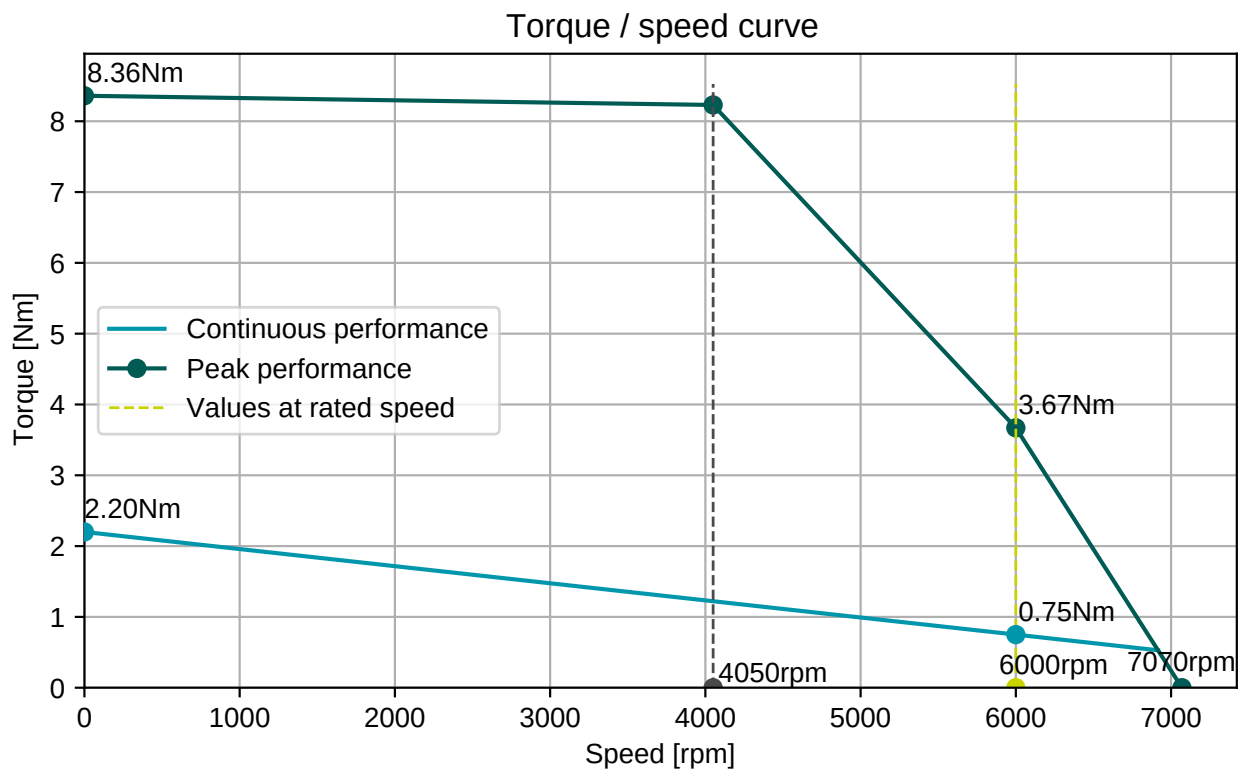
\* Defined for point of action at ½ output shaft length

**Sensors**

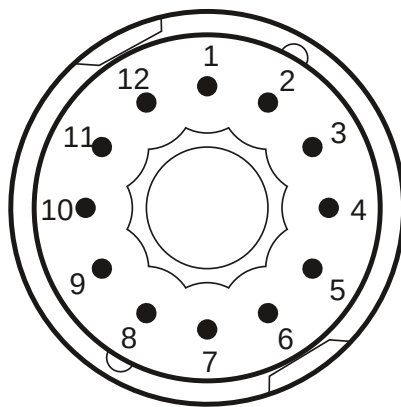
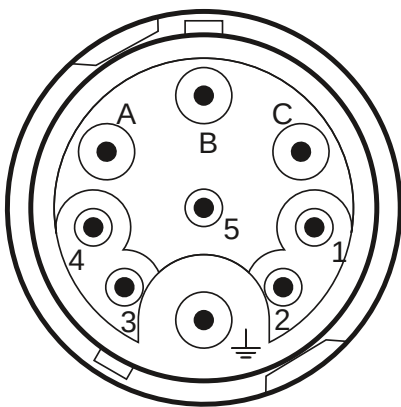
|             |                                               |
|-------------|-----------------------------------------------|
| Temperature | PT1000 {PT1000}                               |
| Feedback    | SKS36 (Hiperface) single-turn,<br>128 sin/cos |

**Brake**

|                |                        |
|----------------|------------------------|
| Braking torque | 4.50 Nm                |
| 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 - |

