

**Engineering data (WIN 707)**

|                                      |                            |
|--------------------------------------|----------------------------|
| DC bus voltage                       | 560 V DC                   |
| Nominal AC voltage                   | 380 V AC (rms)             |
| Rated voltage                        | 278 V AC (rms)             |
| Rated power                          | 942 W                      |
| Rated speed                          | 3000 rpm                   |
| Rated torque                         | 3.00 Nm                    |
| Rated current                        | 2.42 A (rms)               |
| Peak torque                          | 10.5 Nm                    |
| Peak current                         | 10.9 A (rms)               |
| Stall torque                         | 3.5 Nm                     |
| Stall current                        | 2.38 A (rms)               |
| No load speed                        | 4260 rpm                   |
| EMF constant ±10%                    | 89 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 1.47 Nm / A<br>(rms)       |
| Torque constant ±10%<br>@ rated load | 1.24 Nm / A<br>(rms)       |
| Number of poles                      | 10                         |
| Electrical time constant             | 2.87 ms                    |
| Winding terminal<br>resistance       | 8.89 Ω                     |
| Rotary field terminal<br>inductance  | 25.5 mH                    |

**Customs info**

|         |          |
|---------|----------|
| HS Code | 85015220 |
|---------|----------|

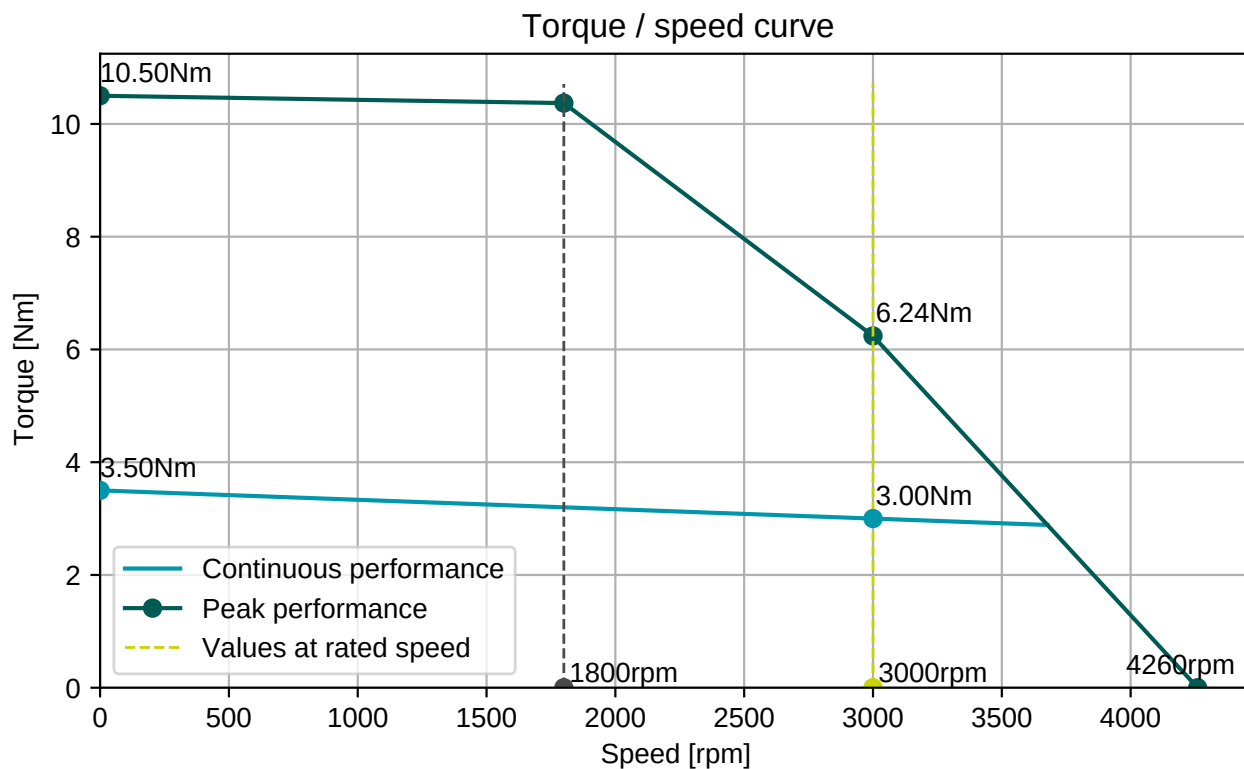
**Mechanical data (setting 5)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 0.74 ms                |
| Thermal time constant   | 27 min                 |
| Rotor inertia           | 1.04 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 2.9 kg                 |
| Max. axial force 20kh   | 68 N                   |
| Max. radial force 20kh  | 356 N*                 |
| Max. axial force 100kh  | 40 N                   |
| Max. radial force 100kh | 208 N*                 |

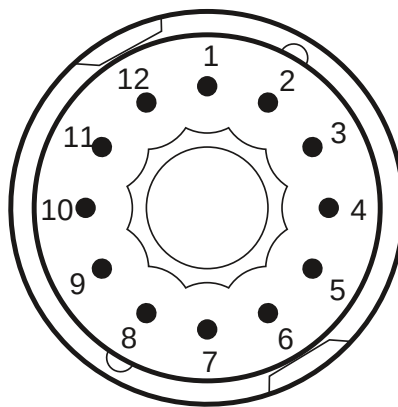
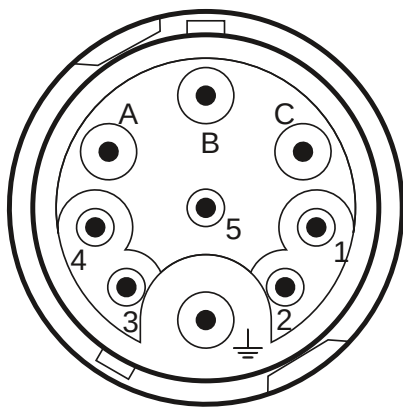
\* Defined for point of action at ½ output shaft length

**Sensors**

|             |                                                           |
|-------------|-----------------------------------------------------------|
| Temperature | PT1000 {PT1000}                                           |
| Feedback    | 2-pole resolver ( ER5Kd411,<br>TS2620N21E11, RE-15-1-A15) |



**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 (227)**

|          |        |
|----------|--------|
| <b>2</b> | Therm+ |
| <b>3</b> | S4     |
| <b>4</b> | S3     |
| <b>5</b> | R2     |
| <b>6</b> | Therm- |
| <b>7</b> | S2     |
| <b>8</b> | S1     |
| <b>9</b> | R1     |

