

**Engineering data (WIN 777)**

|                                   |                             |
|-----------------------------------|-----------------------------|
| DC bus voltage                    | 36 V DC                     |
| Nominal AC voltage                | 25 V AC (rms)               |
| Rated voltage                     | 19 V AC (rms)               |
| Rated power                       | 160 W                       |
| Rated speed                       | 3000 rpm                    |
| Rated torque                      | 0.51 Nm                     |
| Rated current                     | 7.65 A (rms)                |
| Peak torque                       | 2.08 Nm                     |
| Peak current                      | 33.2 A (rms)                |
| Stall torque                      | 0.54 Nm                     |
| Stall current                     | 7.6 A (rms)                 |
| No load speed                     | 5710 rpm                    |
| EMF constant ±10%                 | 4.3 V AC (rms)<br>/ 1000rpm |
| Theoretical torque constant ±10%  | 0.07 Nm / A<br>(rms)        |
| Torque constant ±10% @ rated load | 0.07 Nm / A<br>(rms)        |
| Number of poles                   | 6                           |
| Electrical time constant          | 1.23 ms                     |
| Winding terminal resistance       | 0.62 Ω                      |
| Rotary field terminal inductance  | 0.76 mH                     |

**Customs info**

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

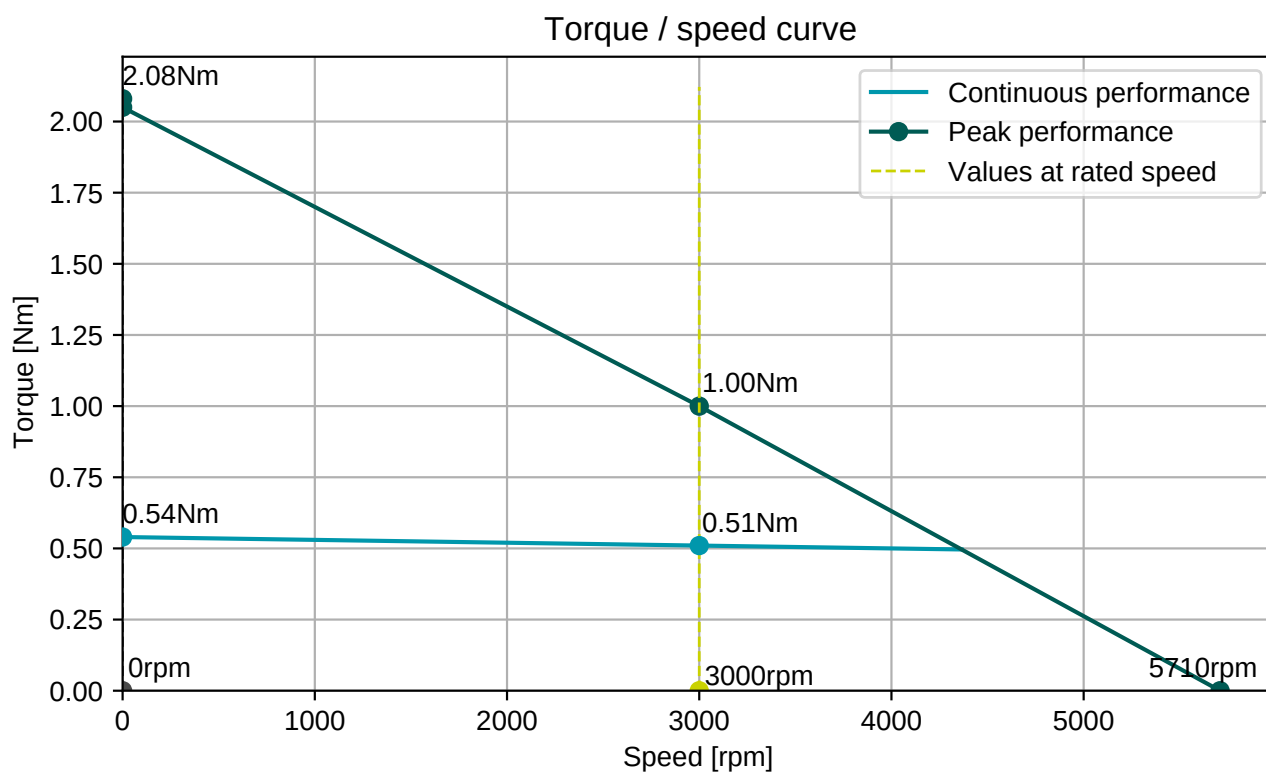
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 1.49 ms                |
| Thermal time constant   | 12 min                 |
| Rotor inertia           | 0.07 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 0.9 kg                 |
| Max. axial force 20kh   | 45 N                   |
| Max. radial force 20kh  | 234 N*                 |
| Max. axial force 100kh  | 26 N                   |
| Max. radial force 100kh | 137 N*                 |

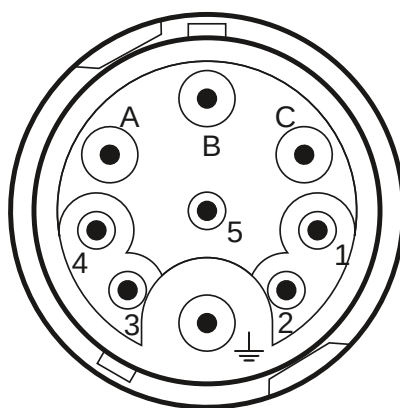
\* Defined for point of action at ½ output shaft length

**Sensors**

|             |                                              |
|-------------|----------------------------------------------|
| Temperature | PT1000 {PT1000}                              |
| Feedback    | EKM36 (HDSL) multi-turn,<br>18+12 bits, SIL2 |


**EGA201N00000800000**

M15, 9 poles, rotary


**Connector 1 (304)**

|           |          |
|-----------|----------|
| <b>A</b>  | U        |
| <b>B</b>  | V        |
| <b>C</b>  | W        |
| <b>PE</b> | PE       |
| <b>1</b>  | Brake+   |
| <b>2</b>  | Brake-   |
| <b>3</b>  | +Us/DSL+ |
| <b>4</b>  | GND/DSL- |

