

**Engineering data (WIN 1530)**

|                                   |                              |
|-----------------------------------|------------------------------|
| DC bus voltage                    | 320 V DC                     |
| Nominal AC voltage                | 220 V AC (rms)               |
| Rated voltage                     | 171 V AC (rms)               |
| Rated power                       | 298 W                        |
| Rated speed                       | 5000 rpm                     |
| Rated torque                      | 0.57 Nm                      |
| Rated current                     | 1.29 A (rms)                 |
| Peak torque                       | 2.47 Nm                      |
| Peak current                      | 5.9 A (rms)                  |
| Stall torque                      | 0.75 Nm                      |
| Stall current                     | 1.44 A (rms)                 |
| No load speed                     | 6930 rpm                     |
| EMF constant ±10%                 | 31.5 V AC (rms)<br>/ 1000rpm |
| Theoretical torque constant ±10%  | 0.521 Nm / A<br>(rms)        |
| Torque constant ±10% @ rated load | 0.442 Nm / A<br>(rms)        |
| Number of poles                   | 10                           |
| Electrical time constant          | 1.13 ms                      |
| Winding terminal resistance       | 12.438 Ω                     |
| Rotary field terminal inductance  | 14.1 mH                      |

**Customs info**

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

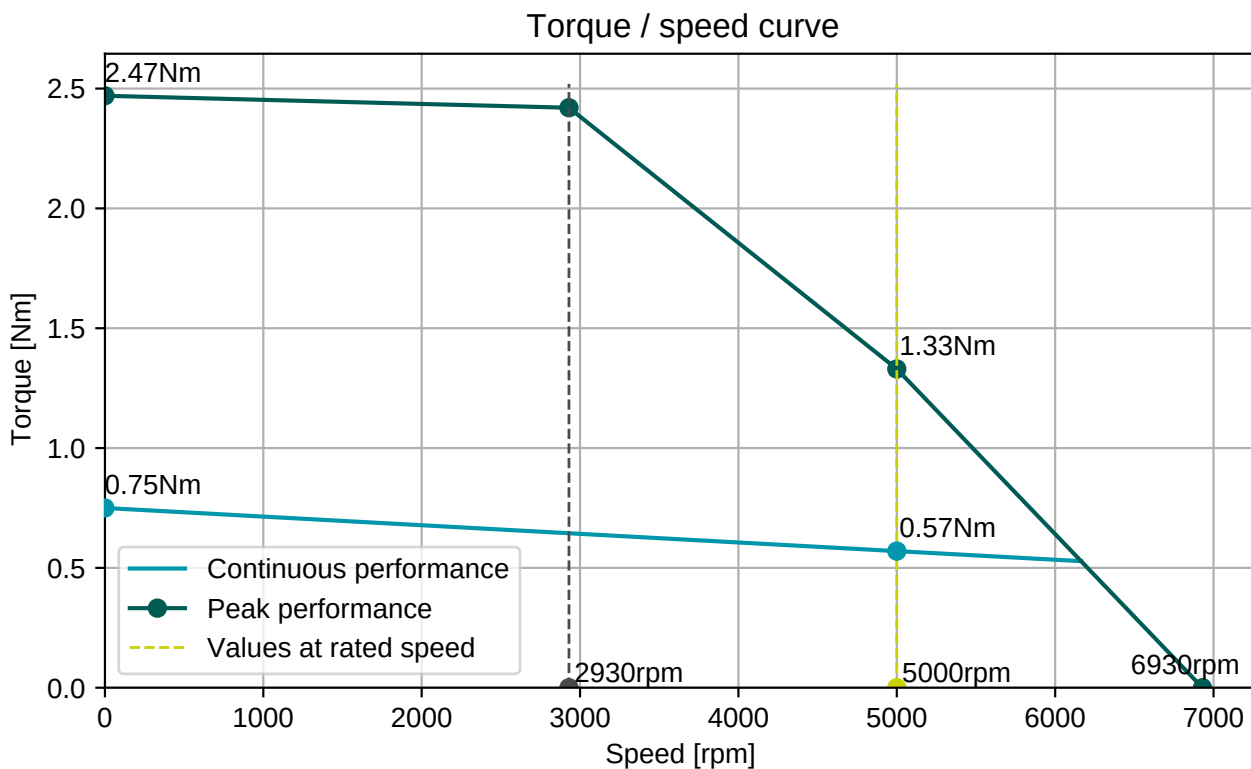
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 2.62 ms                |
| Thermal time constant   | 20 min                 |
| Rotor inertia           | 0.33 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 1.3 kg                 |
| Max. axial force 20kh   | 39 N                   |
| Max. radial force 20kh  | 207 N*                 |
| Max. axial force 100kh  | 23 N                   |
| Max. radial force 100kh | 121 N*                 |

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

**Sensors**

|             |                                         |
|-------------|-----------------------------------------|
| Temperature | PT1000 {PT1000}                         |
| Feedback    | EKS36 (HDSL) single-turn, 18 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- |

