

**Engineering data (WIN 1531)**

|                                   |                            |
|-----------------------------------|----------------------------|
| DC bus voltage                    | 560 V DC                   |
| Nominal AC voltage                | 380 V AC (rms)             |
| Rated voltage                     | 297 V AC (rms)             |
| Rated power                       | 539 W                      |
| Rated speed                       | 5000 rpm                   |
| Rated torque                      | 1.03 Nm                    |
| Rated current                     | 1.25 A (rms)               |
| Peak torque                       | 6.65 Nm                    |
| Peak current                      | 7.8 A (rms)                |
| Stall torque                      | 1.75 Nm                    |
| Stall current                     | 1.76 A (rms)               |
| No load speed                     | 6310 rpm                   |
| EMF constant ±10%                 | 60 V AC (rms)<br>/ 1000rpm |
| Theoretical torque constant ±10%  | 0.992 Nm / A<br>(rms)      |
| Torque constant ±10% @ rated load | 0.824 Nm / A<br>(rms)      |
| Number of poles                   | 10                         |
| Electrical time constant          | 1.43 ms                    |
| Winding terminal resistance       | 11.596 Ω                   |
| Rotary field terminal inductance  | 16.6 mH                    |

**Customs info**

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

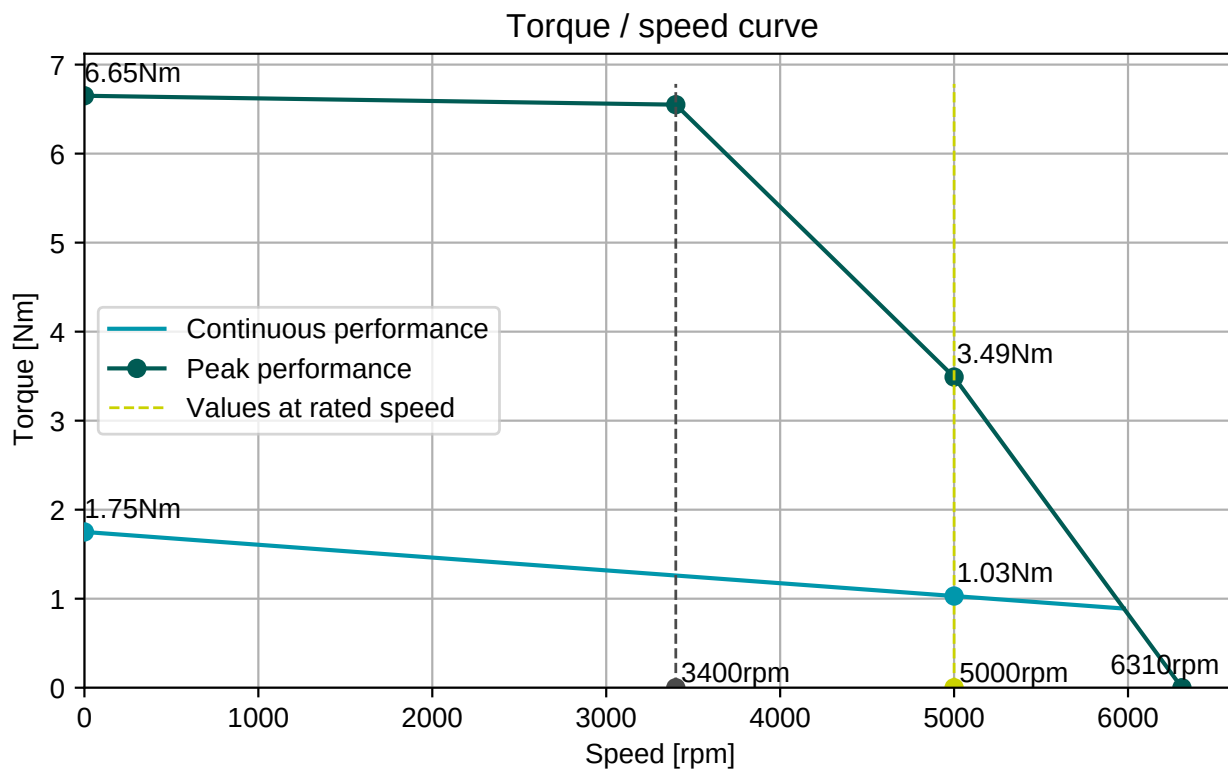
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 1.39 ms                |
| Thermal time constant   | 28 min                 |
| Rotor inertia           | 0.68 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 1.9 kg                 |
| Max. axial force 20kh   | 47 N                   |
| Max. radial force 20kh  | 247 N*                 |
| Max. axial force 100kh  | 27 N                   |
| Max. radial force 100kh | 145 N*                 |

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

**Sensors**

|             |                                   |
|-------------|-----------------------------------|
| Temperature | PT1000 {PT1000}                   |
| Feedback    | EKS36 (HDSL) single-turn, 17 bits |


**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- |

