

**Engineering data (WIN 1600)**

|                                   |                            |
|-----------------------------------|----------------------------|
| DC bus voltage                    | 560 V DC                   |
| Nominal AC voltage                | 380 V AC (rms)             |
| Rated voltage                     | 280 V AC (rms)             |
| Rated power                       | 580 W                      |
| Rated speed                       | 4500 rpm                   |
| Rated torque                      | 1.23 Nm                    |
| Rated current                     | 1.43 A (rms)               |
| Peak torque                       | 8.36 Nm                    |
| Peak current                      | 9.2 A (rms)                |
| Stall torque                      | 2.2 Nm                     |
| Stall current                     | 2.11 A (rms)               |
| No load speed                     | 6010 rpm                   |
| EMF constant ±10%                 | 63 V AC (rms)<br>/ 1000rpm |
| Theoretical torque constant ±10%  | 1.042 Nm / A<br>(rms)      |
| Torque constant ±10% @ rated load | 0.860 Nm / A<br>(rms)      |
| Number of poles                   | 10                         |
| Electrical time constant          | 1.58 ms                    |
| Winding terminal resistance       | 8.941 Ω                    |
| Rotary field terminal inductance  | 14.1 mH                    |

**Customs info**

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

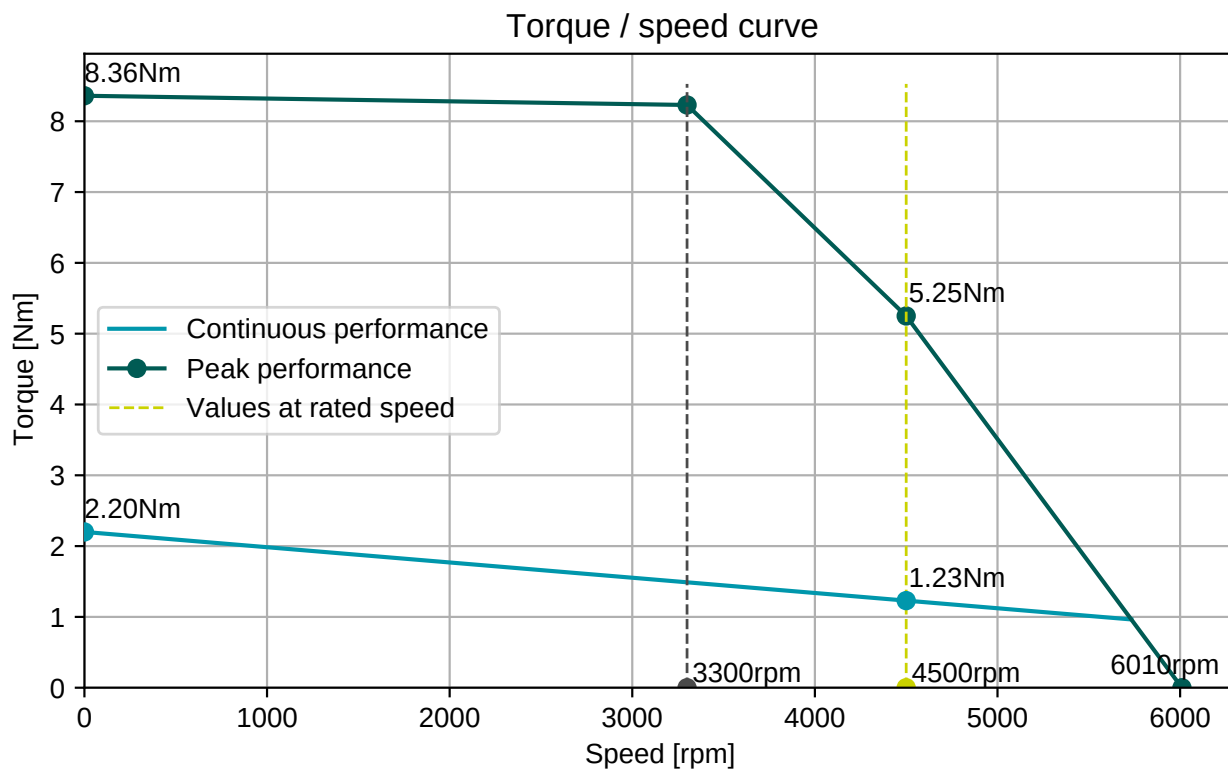
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 1.21 ms                |
| Thermal time constant   | 32 min                 |
| Rotor inertia           | 0.85 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 2.2 kg                 |
| Max. axial force 20kh   | 56 N                   |
| Max. radial force 20kh  | 297 N*                 |
| Max. axial force 100kh  | 33 N                   |
| Max. radial force 100kh | 174 N*                 |

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

**Sensors**

|             |                                   |
|-------------|-----------------------------------|
| Temperature | PT1000 {PT1000}                   |
| Feedback    | EES37 (HDSL) single-turn, 17 bits |


**BGC110N00001216000**

M23, 8 poles, rotary


**Connector 1 (283)**

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

