

**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<br>constant ±10%  | 0.521 Nm / A<br>(rms)        |
| Torque constant ±10%<br>@ rated load | 0.442 Nm / A<br>(rms)        |
| Number of poles                      | 10                           |
| Electrical time constant             | 1.13 ms                      |
| Winding terminal<br>resistance       | 12.438 Ω                     |
| Rotary field terminal<br>inductance  | 14.1 mH                      |

**Customs info**

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

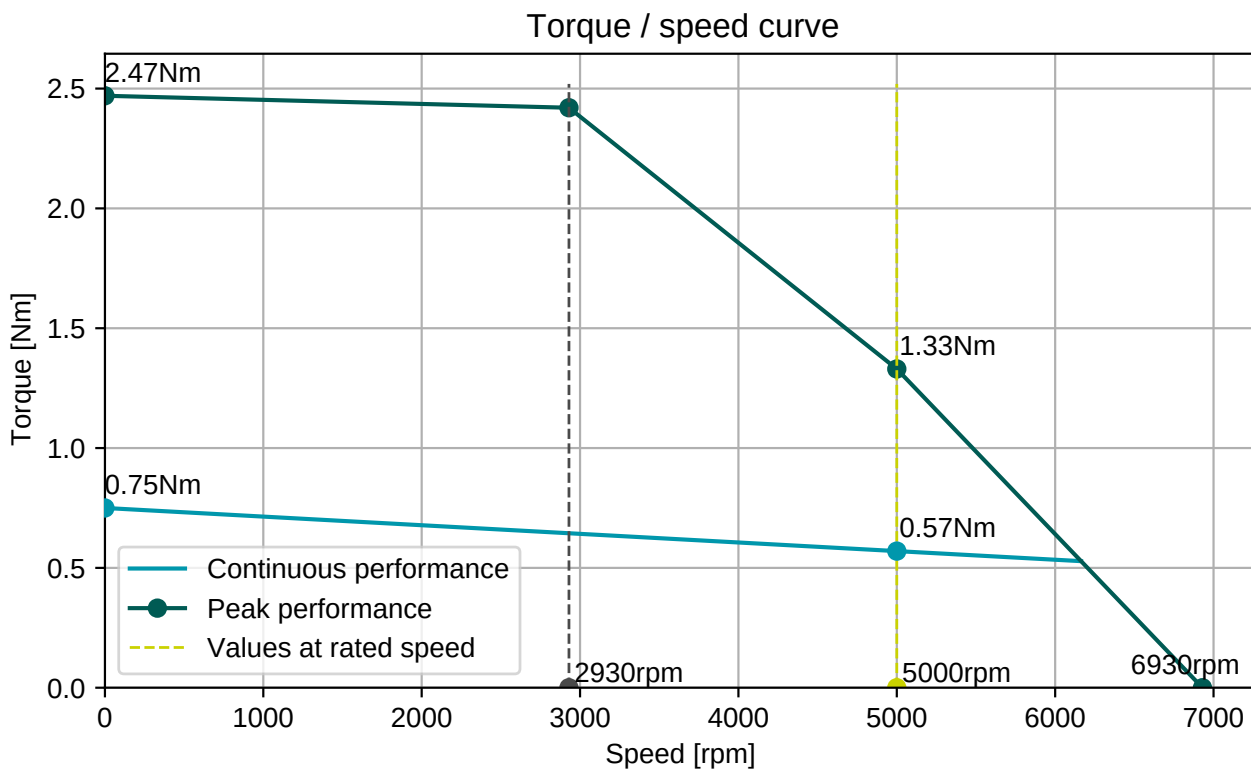
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| 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    | EKM36 (HDSL) multi-turn, 17 +<br>12 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+ |

