

**Engineering data (WIN 719)**

|                                      |                            |
|--------------------------------------|----------------------------|
| DC bus voltage                       | 560 V DC                   |
| Nominal AC voltage                   | 380 V AC (rms)             |
| Rated voltage                        | 269 V AC (rms)             |
| Rated power                          | 635 W                      |
| Rated speed                          | 6000 rpm                   |
| Rated torque                         | 1.01 Nm                    |
| Rated current                        | 1.99 A (rms)               |
| Peak torque                          | 3.45 Nm                    |
| Peak current                         | 7.8 A (rms)                |
| Stall torque                         | 1.15 Nm                    |
| Stall current                        | 1.78 A (rms)               |
| No load speed                        | 9680 rpm                   |
| EMF constant ±10%                    | 39 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.65 Nm / A<br>(rms)       |
| Torque constant ±10%<br>@ rated load | 0.51 Nm / A<br>(rms)       |
| Number of poles                      | 10                         |
| Electrical time constant             | 2.15 ms                    |
| Winding terminal<br>resistance       | 10.71 Ω                    |
| Rotary field terminal<br>inductance  | 23 mH                      |

**Customs info**

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

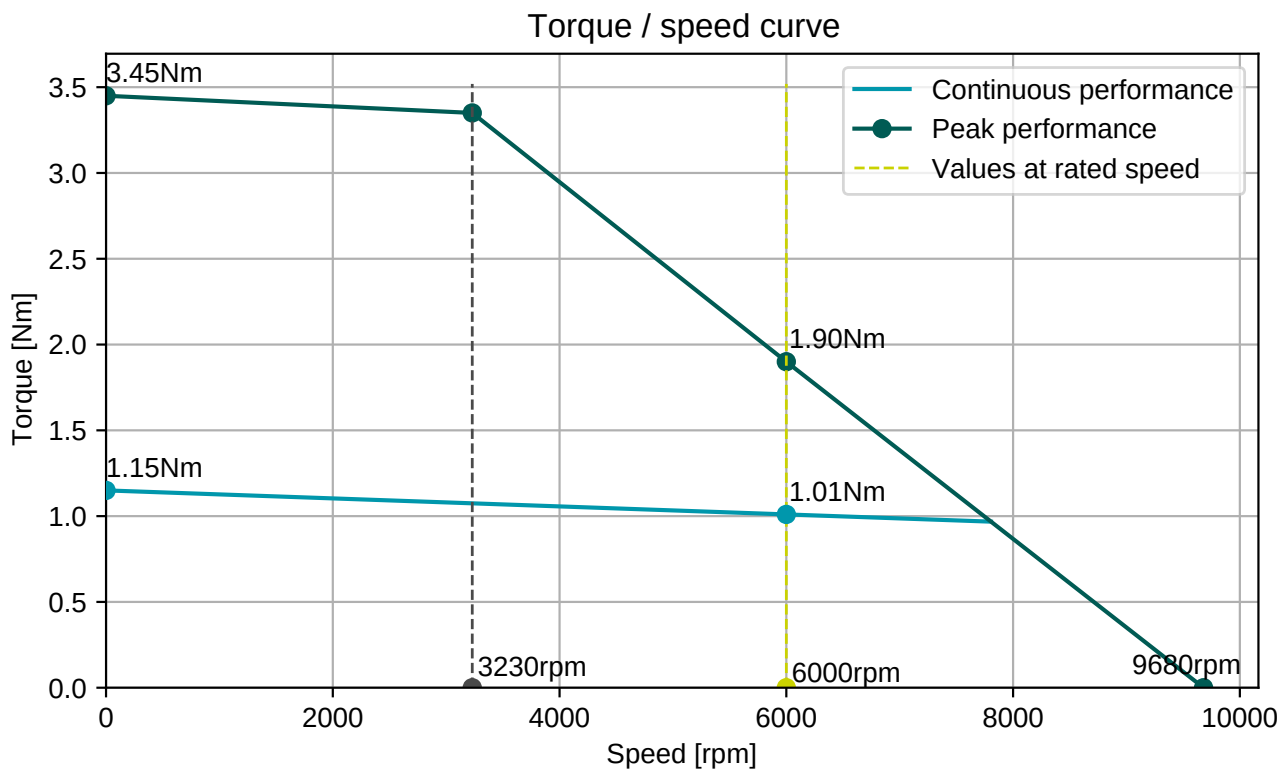
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 12000 rpm              |
| Mech. time constant     | 1.38 ms                |
| Thermal time constant   | 21 min                 |
| Rotor inertia           | 0.31 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 1.5 kg                 |
| Max. axial force 20kh   | 43 N                   |
| Max. radial force 20kh  | 225 N*                 |
| Max. axial force 100kh  | 25 N                   |
| Max. radial force 100kh | 131 N*                 |

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

**Sensors**

|             |                                        |
|-------------|----------------------------------------|
| Temperature | PT1000 {PT1000}                        |
| Feedback    | EEM37 (HDSL) multi-turn,<br>17+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+ |

