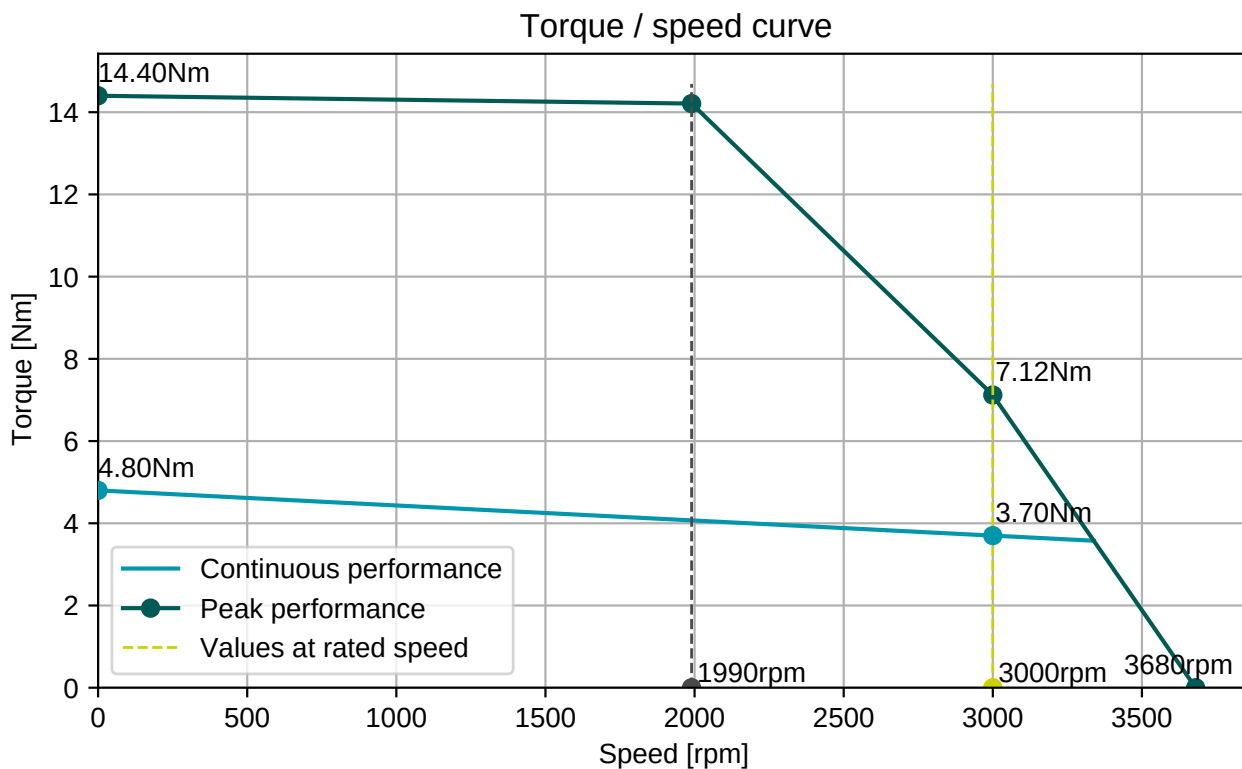


| Engineering data (WIN 954)        |                             | Mechanical data (setting 48)                           |                                        |
|-----------------------------------|-----------------------------|--------------------------------------------------------|----------------------------------------|
| DC bus voltage                    | 560 V DC                    | Max mechanical speed                                   | 12000 rpm                              |
| Nominal AC voltage                | 380 V AC (rms)              | Mech. time constant                                    | 0.68 ms                                |
| Rated voltage                     | 310 V AC (rms)              | Thermal time constant                                  | 30 min                                 |
| Rated power                       | 1.2 kW                      | Rotor inertia                                          | 1.52 kgcm <sup>2</sup>                 |
| Rated speed                       | 3000 rpm                    | Protection                                             | IP64                                   |
| Rated torque                      | 3.70 Nm                     | Color                                                  | RAL 9005                               |
| Rated current                     | 2.6 A (rms)                 | Cooling                                                | Convection                             |
| Peak torque                       | 14.4 Nm                     | Motor-only mass                                        | 4.3 kg                                 |
| Peak current                      | 10.1 A (rms)                | Max. axial force 20kh                                  | 75 N                                   |
| Stall torque                      | 4.8 Nm                      | Max. radial force 20kh                                 | 393 N*                                 |
| Stall current                     | 2.82 A (rms)                | Max. axial force 100kh                                 | 44 N                                   |
| No load speed                     | 3680 rpm                    | Max. radial force 100kh                                | 230 N*                                 |
| EMF constant ±10%                 | 103 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                        |
| Theoretical torque constant ±10%  | 1.7 Nm / A<br>(rms)         |                                                        |                                        |
| Torque constant ±10% @ rated load | 1.4 Nm / A<br>(rms)         |                                                        |                                        |
| Number of poles                   | 10                          | Sensors                                                |                                        |
| Electrical time constant          | 3.01 ms                     | Temperature                                            | PT1000 {PT1000}                        |
| Winding terminal resistance       | 7.53 Ω                      | Feedback                                               | EEM37 (HDSL) multi-turn,<br>17+12 bits |
| Rotary field terminal inductance  | 22.7 mH                     | Brake                                                  |                                        |
| Customs info                      |                             | Braking torque                                         | 4.50 Nm                                |
| HS Code                           | 85015220                    | Voltage                                                | 24 V DC                                |
|                                   |                             | Power @20°C                                            | 12.0 W                                 |
|                                   |                             | Current @20°C                                          | 0.50 A                                 |
|                                   |                             | Inertia                                                | 0.20 kgcm <sup>2</sup>                 |
|                                   |                             | Mass                                                   | 0.47 kg                                |


**BGC110N00001216000**

M23, 8 poles, rotary


**Connector 1 (283)**

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

