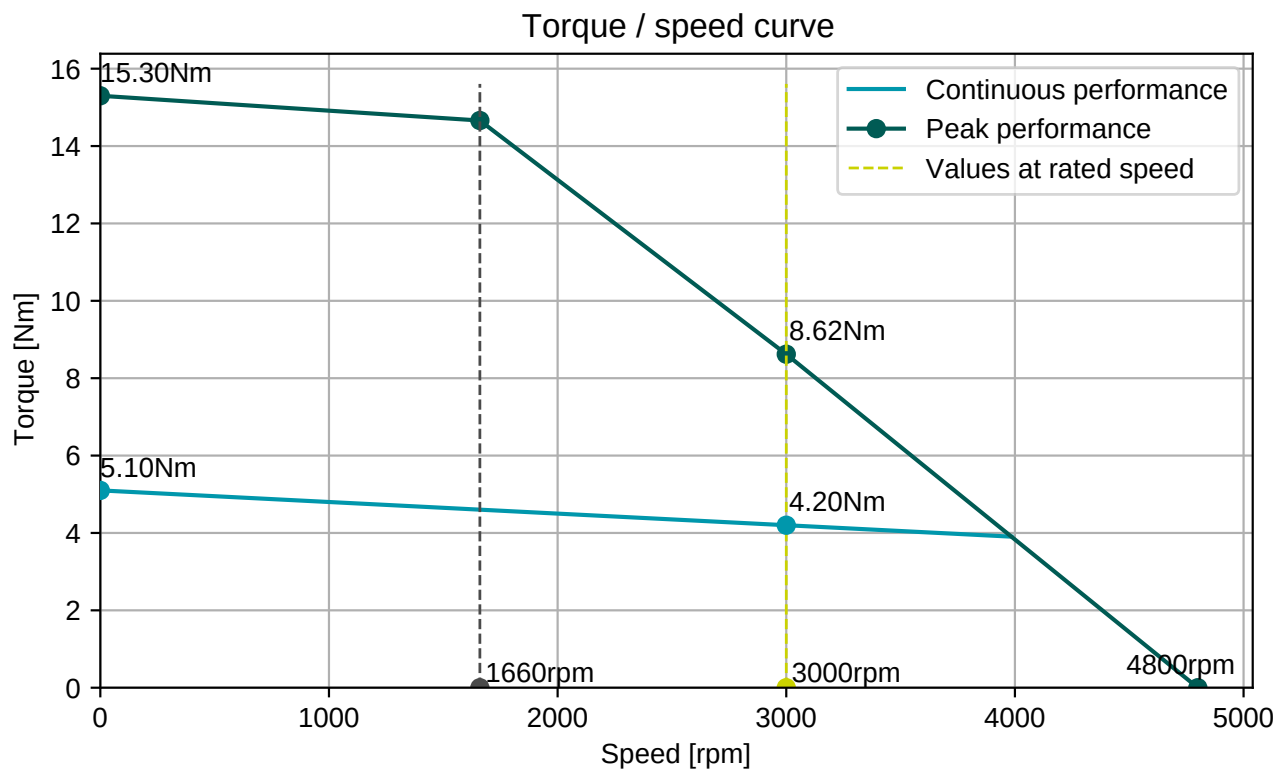


| Engineering data (WIN 708)           |                              | Mechanical data (setting 48)                           |                                       |
|--------------------------------------|------------------------------|--------------------------------------------------------|---------------------------------------|
| DC bus voltage                       | 320 V DC                     | Max mechanical speed                                   | 9000 rpm                              |
| Nominal AC voltage                   | 220 V AC (rms)               | Mech. time constant                                    | 0.77 ms                               |
| Rated voltage                        | 155 V AC (rms)               | Thermal time constant                                  | 25 min                                |
| Rated power                          | 1.3 kW                       | Rotor inertia                                          | 2.04 kgcm <sup>2</sup>                |
| Rated speed                          | 3000 rpm                     | Protection                                             | IP64                                  |
| Rated torque                         | 4.20 Nm                      | Color                                                  | RAL 9005                              |
| Rated current                        | 7.01 A (rms)                 | Cooling                                                | Convection                            |
| Peak torque                          | 15.3 Nm                      | Motor-only mass                                        | 4.7 kg                                |
| Peak current                         | 31 A (rms)                   | Max. axial force 20kh                                  | 116 N                                 |
| Stall torque                         | 5.1 Nm                       | Max. radial force 20kh                                 | 611 N*                                |
| Stall current                        | 6.8 A (rms)                  | Max. axial force 100kh                                 | 68 N                                  |
| No load speed                        | 4800 rpm                     | Max. radial force 100kh                                | 357 N*                                |
| EMF constant ±10%                    | 45.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                       |
| Theoretical torque constant ±10%     | 0.75 Nm / A<br>(rms)         |                                                        |                                       |
| Torque constant ±10%<br>@ rated load | 0.60 Nm / A<br>(rms)         |                                                        |                                       |
| Number of poles                      | 10                           | Sensors                                                |                                       |
| Electrical time constant             | 5.48 ms                      | Temperature                                            | PT1000 {PT1000}                       |
| Winding terminal resistance          | 1.24 Ω                       | Feedback                                               | EKM36 (HDSL) multi-turn, 17 + 12 bits |
| Rotary field terminal inductance     | 6.8 mH                       | Brake                                                  |                                       |
| Customs info                         |                              | Braking torque                                         | 9.00 Nm                               |
| HS Code                              | 85015220                     | Voltage                                                | 24 V DC                               |
|                                      |                              | Power @20°C                                            | 18.0 W                                |
|                                      |                              | Current @20°C                                          | 0.75 A                                |
|                                      |                              | Inertia                                                | 0.60 kgcm <sup>2</sup>                |
|                                      |                              | Mass                                                   | 0.82 kg                               |


**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+ |

