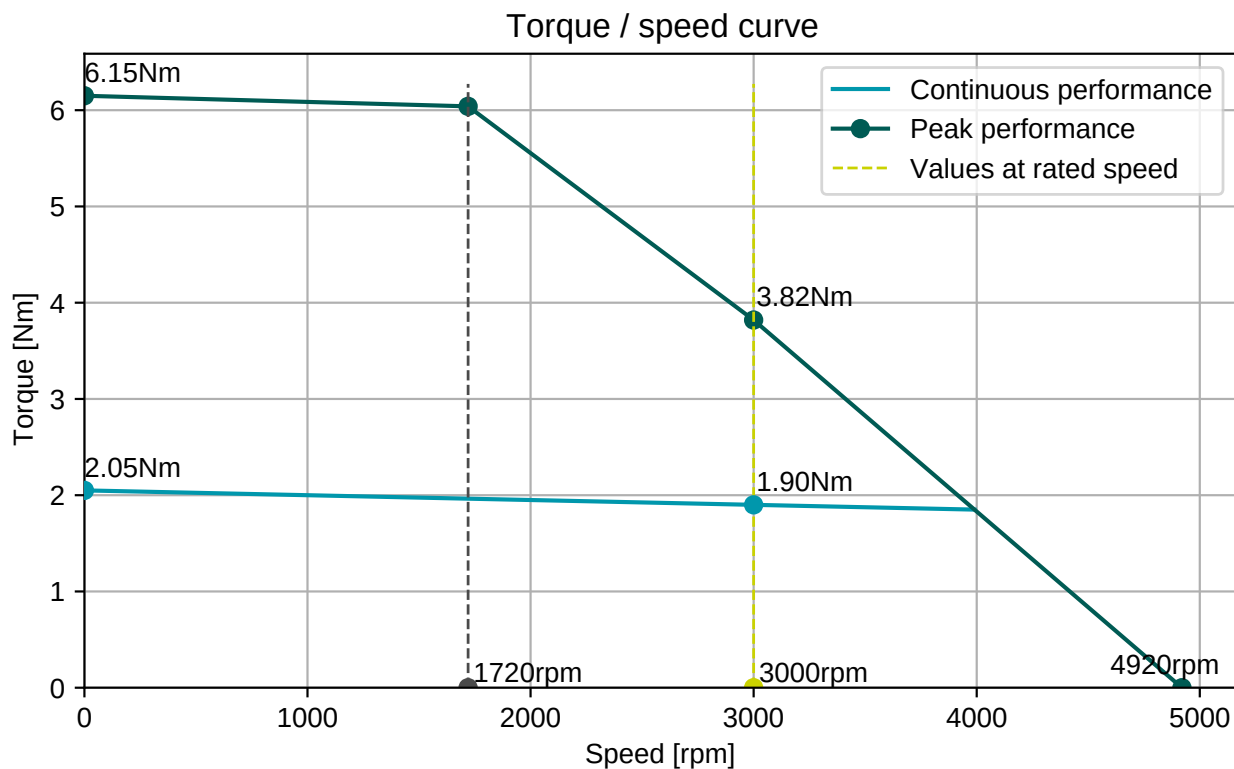


| Engineering data (WIN 704)        |                              | Mechanical data (setting 48)                           |                                   |
|-----------------------------------|------------------------------|--------------------------------------------------------|-----------------------------------|
| DC bus voltage                    | 320 V DC                     | Max mechanical speed                                   | 12000 rpm                         |
| Nominal AC voltage                | 220 V AC (rms)               | Mech. time constant                                    | 0.92 ms                           |
| Rated voltage                     | 153 V AC (rms)               | Thermal time constant                                  | 23 min                            |
| Rated power                       | 597 W                        | Rotor inertia                                          | 0.55 kgcm <sup>2</sup>            |
| Rated speed                       | 3000 rpm                     | Protection                                             | IP64                              |
| Rated torque                      | 1.90 Nm                      | Color                                                  | RAL 9005                          |
| Rated current                     | 3.06 A (rms)                 | Cooling                                                | Convection                        |
| Peak torque                       | 6.15 Nm                      | Motor-only mass                                        | 2.5 kg                            |
| Peak current                      | 12.7 A (rms)                 | Max. axial force 20kh                                  | 64 N                              |
| Stall torque                      | 2.05 Nm                      | Max. radial force 20kh                                 | 335 N*                            |
| Stall current                     | 2.79 A (rms)                 | Max. axial force 100kh                                 | 37 N                              |
| No load speed                     | 4920 rpm                     | Max. radial force 100kh                                | 196 N*                            |
| EMF constant ±10%                 | 44.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                   |
| Theoretical torque constant ±10%  | 0.74 Nm / A<br>(rms)         | Sensors                                                |                                   |
| Torque constant ±10% @ rated load | 0.62 Nm / A<br>(rms)         | Temperature                                            | PT1000 {PT1000}                   |
| Number of poles                   | 10                           | Feedback                                               | EKS36 (HDSL) single-turn, 17 bits |
| Electrical time constant          | 2.53 ms                      | Brake                                                  |                                   |
| Winding terminal resistance       | 5.26 Ω                       | Braking torque                                         | 4.50 Nm                           |
| Rotary field terminal inductance  | 13.3 mH                      | Voltage                                                | 24 V DC                           |
| <b>Customs info</b>               |                              | Power @20°C                                            | 12.0 W                            |
| HS Code                           | 85015100                     | 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)**

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

