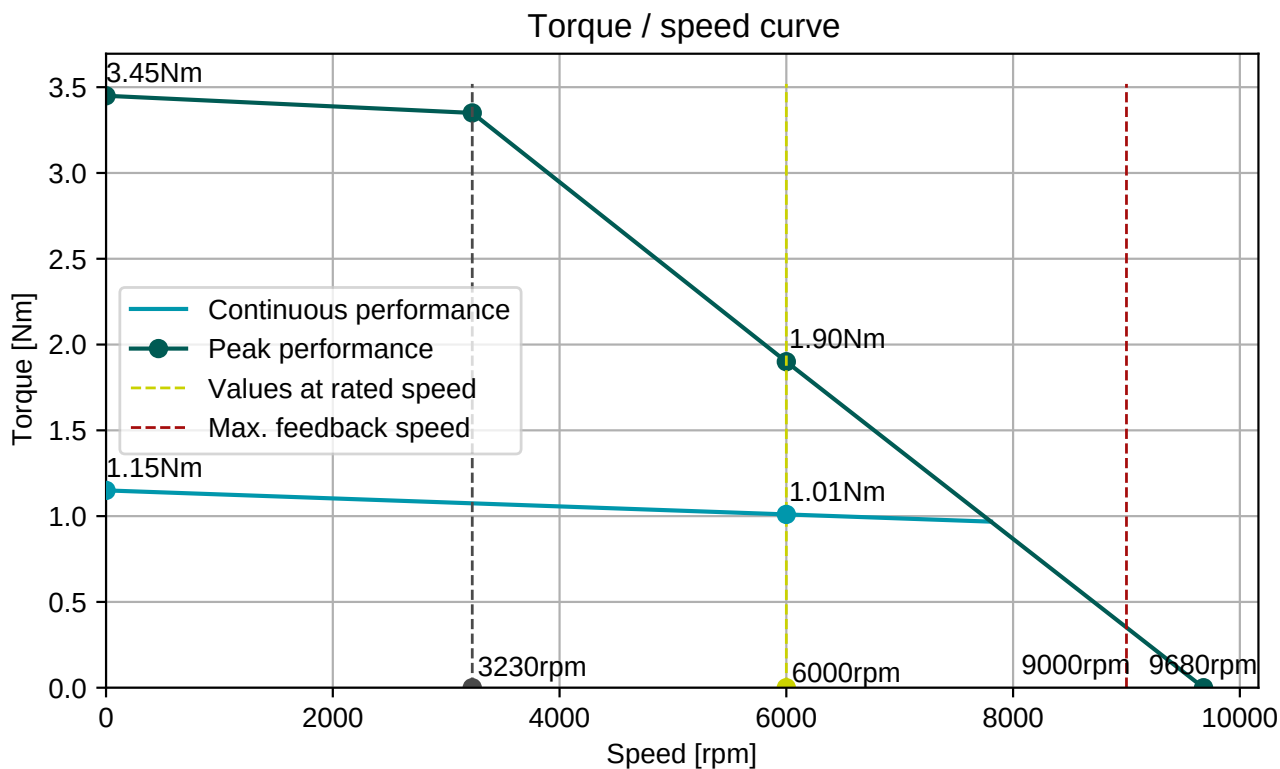


| Engineering data (WIN 719)        |                            | Mechanical data (setting 48)                           |                                        |
|-----------------------------------|----------------------------|--------------------------------------------------------|----------------------------------------|
| DC bus voltage                    | 560 V DC                   | Max mechanical speed                                   | 12000 rpm                              |
| Nominal AC voltage                | 380 V AC (rms)             | Mech. time constant                                    | 1.38 ms                                |
| Rated voltage                     | 269 V AC (rms)             | Thermal time constant                                  | 21 min                                 |
| Rated power                       | 635 W                      | Rotor inertia                                          | 0.31 kgcm <sup>2</sup>                 |
| Rated speed                       | 6000 rpm                   | Protection                                             | IP64                                   |
| Rated torque                      | 1.01 Nm                    | Color                                                  | RAL 9005                               |
| Rated current                     | 1.99 A (rms)               | Cooling                                                | Convection                             |
| Peak torque                       | 3.45 Nm                    | Motor-only mass                                        | 2 kg                                   |
| Peak current                      | 7.8 A (rms)                | Max. axial force 20kh                                  | 45 N                                   |
| Stall torque                      | 1.15 Nm                    | Max. radial force 20kh                                 | 237 N*                                 |
| Stall current                     | 1.78 A (rms)               | Max. axial force 100kh                                 | 26 N                                   |
| No load speed                     | 9680 rpm                   | Max. radial force 100kh                                | 139 N*                                 |
| EMF constant ±10%                 | 39 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                        |
| Theoretical torque constant ±10%  | 0.65 Nm / A<br>(rms)       | Sensors                                                |                                        |
| Torque constant ±10% @ rated load | 0.51 Nm / A<br>(rms)       | Temperature                                            | PT1000 {PT1000}                        |
| Number of poles                   | 10                         | Feedback                                               | EDM35 (HDSL) multi-turn,<br>20+12 bits |
| Electrical time constant          | 2.15 ms                    | Brake                                                  |                                        |
| Winding terminal resistance       | 10.71 Ω                    | Braking torque                                         | 4.50 Nm                                |
| Rotary field terminal inductance  | 23 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+ |

