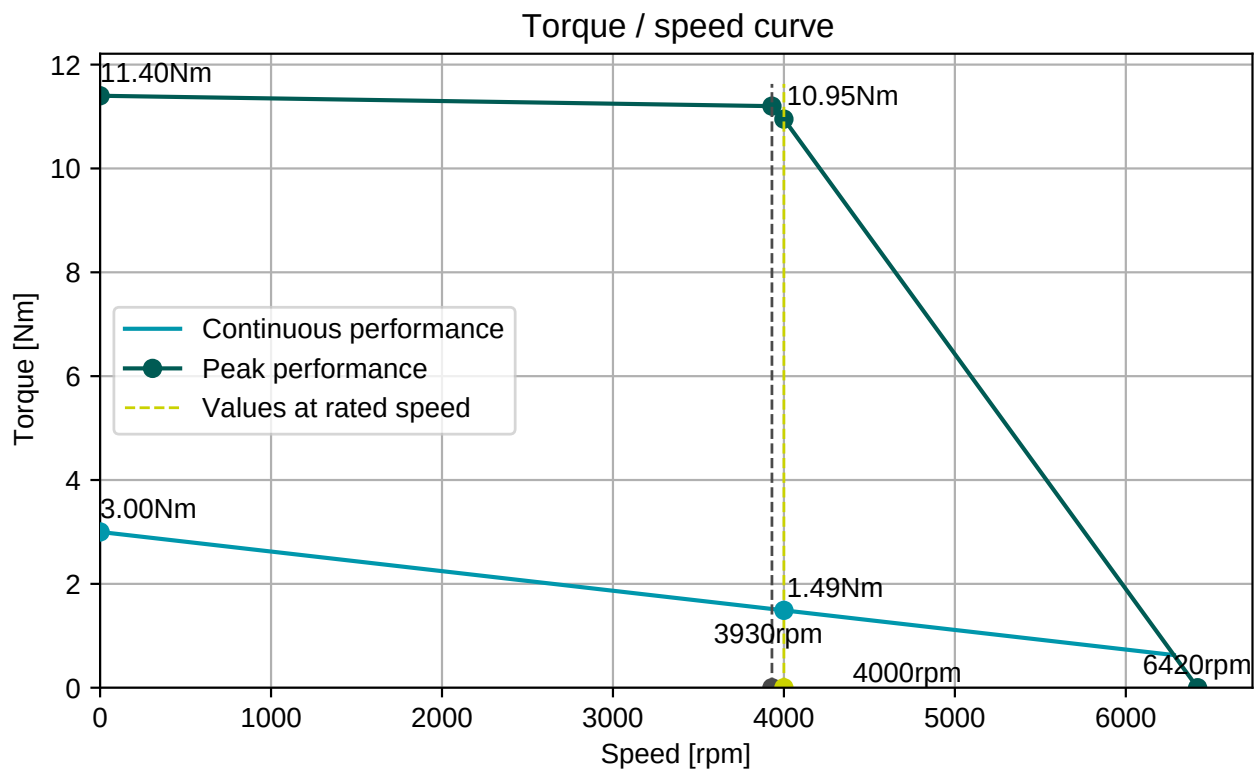


| Engineering data (WIN 1532)       |                            | Mechanical data (setting 48)                           |                                              |
|-----------------------------------|----------------------------|--------------------------------------------------------|----------------------------------------------|
| DC bus voltage                    | 560 V DC                   | Max mechanical speed                                   | 12000 rpm                                    |
| Nominal AC voltage                | 380 V AC (rms)             | Mech. time constant                                    | 1.08 ms                                      |
| Rated voltage                     | 231 V AC (rms)             | Thermal time constant                                  | 40 min                                       |
| Rated power                       | 624 W                      | Rotor inertia                                          | 1.2 kgcm <sup>2</sup>                        |
| Rated speed                       | 4000 rpm                   | Protection                                             | IP64                                         |
| Rated torque                      | 1.49 Nm                    | Color                                                  | RAL 9005                                     |
| Rated current                     | 1.88 A (rms)               | Cooling                                                | Convection                                   |
| Peak torque                       | 11.4 Nm                    | Motor-only mass                                        | 3.3 kg                                       |
| Peak current                      | 13.2 A (rms)               | Max. axial force 20kh                                  | 58 N                                         |
| Stall torque                      | 3 Nm                       | Max. radial force 20kh                                 | 305 N*                                       |
| Stall current                     | 3.07 A (rms)               | Max. axial force 100kh                                 | 34 N                                         |
| No load speed                     | 6420 rpm                   | Max. radial force 100kh                                | 178 N*                                       |
| EMF constant ±10%                 | 59 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                              |
| Theoretical torque constant ±10%  | 0.976 Nm / A<br>(rms)      | Sensors                                                |                                              |
| Torque constant ±10% @ rated load | 0.793 Nm / A<br>(rms)      | Temperature                                            | PT1000 {PT1000}                              |
| Number of poles                   | 10                         | Feedback                                               | EKM36 (HDSL) multi-turn,<br>18+12 bits, SIL2 |
| Electrical time constant          | 1.63 ms                    | Brake                                                  |                                              |
| Winding terminal resistance       | 4.953 Ω                    | Braking torque                                         | 4.50 Nm                                      |
| Rotary field terminal inductance  | 8.06 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+ |

