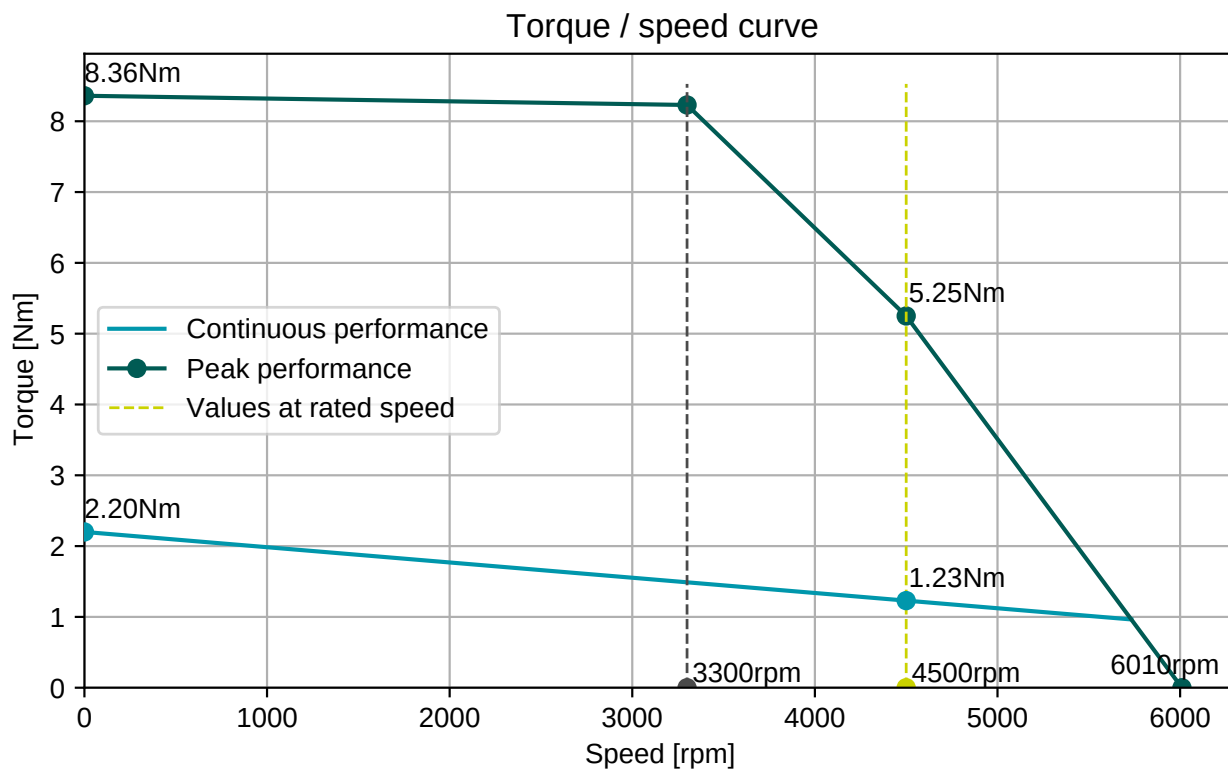


| Engineering data (WIN 1600)       |                            | Mechanical data (setting 48)                           |                                         |
|-----------------------------------|----------------------------|--------------------------------------------------------|-----------------------------------------|
| DC bus voltage                    | 560 V DC                   | Max mechanical speed                                   | 12000 rpm                               |
| Nominal AC voltage                | 380 V AC (rms)             | Mech. time constant                                    | 1.21 ms                                 |
| Rated voltage                     | 280 V AC (rms)             | Thermal time constant                                  | 32 min                                  |
| Rated power                       | 580 W                      | Rotor inertia                                          | 0.85 kgcm <sup>2</sup>                  |
| Rated speed                       | 4500 rpm                   | Protection                                             | IP64                                    |
| Rated torque                      | 1.23 Nm                    | Color                                                  | RAL 9005                                |
| Rated current                     | 1.43 A (rms)               | Cooling                                                | Convection                              |
| Peak torque                       | 8.36 Nm                    | Motor-only mass                                        | 2.7 kg                                  |
| Peak current                      | 9.2 A (rms)                | Max. axial force 20kh                                  | 56 N                                    |
| Stall torque                      | 2.2 Nm                     | Max. radial force 20kh                                 | 293 N*                                  |
| Stall current                     | 2.11 A (rms)               | Max. axial force 100kh                                 | 33 N                                    |
| No load speed                     | 6010 rpm                   | Max. radial force 100kh                                | 171 N*                                  |
| EMF constant ±10%                 | 63 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                         |
| Theoretical torque constant ±10%  | 1.042 Nm / A (rms)         | Sensors                                                |                                         |
| Torque constant ±10% @ rated load | 0.860 Nm / A (rms)         | Temperature                                            | PT1000 {PT1000}                         |
| Number of poles                   | 10                         | Feedback                                               | EKS36 (HDSL) single-turn, 18 bits, SIL2 |
| Electrical time constant          | 1.58 ms                    | Brake                                                  |                                         |
| Winding terminal resistance       | 8.941 Ω                    | Braking torque                                         | 4.50 Nm                                 |
| Rotary field terminal inductance  | 14.1 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+ |

