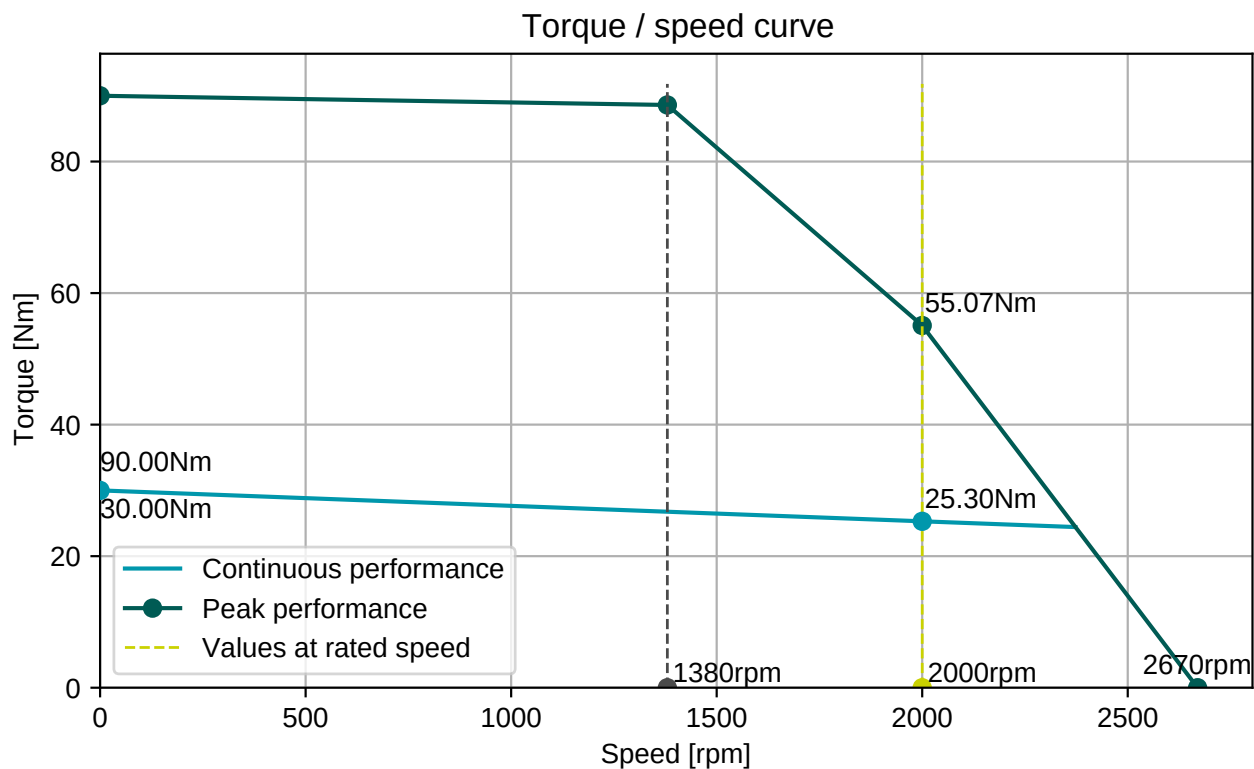
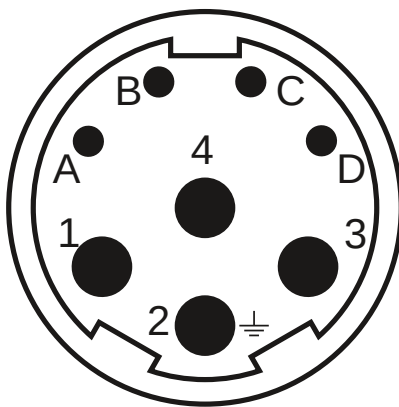


| Engineering data (WIN 985)        |                             | Mechanical data (setting 48)                           |                                       |
|-----------------------------------|-----------------------------|--------------------------------------------------------|---------------------------------------|
| DC bus voltage                    | 560 V DC                    | Max mechanical speed                                   | 6000 rpm                              |
| Nominal AC voltage                | 380 V AC (rms)              | Mech. time constant                                    | 0.65 ms                               |
| Rated voltage                     | 288 V AC (rms)              | Thermal time constant                                  | 52 min                                |
| Rated power                       | 5.3 kW                      | Rotor inertia                                          | 32.7 kgcm <sup>2</sup>                |
| Rated speed                       | 2000 rpm                    | Protection                                             | IP64                                  |
| Rated torque                      | 25.30 Nm                    | Color                                                  | RAL 9005                              |
| Rated current                     | 12.92 A (rms)               | Cooling                                                | Convection                            |
| Peak torque                       | 90 Nm                       | Motor-only mass                                        | 18 kg                                 |
| Peak current                      | 45.9 A (rms)                | Max. axial force 20kh                                  | 159 N                                 |
| Stall torque                      | 30 Nm                       | Max. radial force 20kh                                 | 839 N*                                |
| Stall current                     | 12.8 A (rms)                | Max. axial force 100kh                                 | 93 N                                  |
| No load speed                     | 2670 rpm                    | Max. radial force 100kh                                | 491 N*                                |
| EMF constant ±10%                 | 142 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                       |
| Theoretical torque constant ±10%  | 2.35 Nm / A<br>(rms)        | Sensors                                                |                                       |
| Torque constant ±10% @ rated load | 1.96 Nm / A<br>(rms)        | Temperature                                            | PT1000 {PT1000}                       |
| Number of poles                   | 10                          | Feedback                                               | EKM36 (HDSL) multi-turn, 17 + 12 bits |
| Electrical time constant          | 14.60 ms                    | Brake                                                  |                                       |
| Winding terminal resistance       | 0.63 Ω                      | Braking torque                                         | 36.00 Nm                              |
| Rotary field terminal inductance  | 9.2 mH                      | Voltage                                                | 24 V DC                               |
| <b>Customs info</b>               |                             | Power @20°C                                            | 26.0 W                                |
| HS Code                           | 85015220                    | Current @20°C                                          | 1.08 A                                |
|                                   |                             | Inertia                                                | 6.20 kgcm <sup>2</sup>                |
|                                   |                             | Mass                                                   | 2.85 kg                               |



**BGC110N00001216000**

M23, 8 poles, rotary



**Connector 1 (283)**

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

