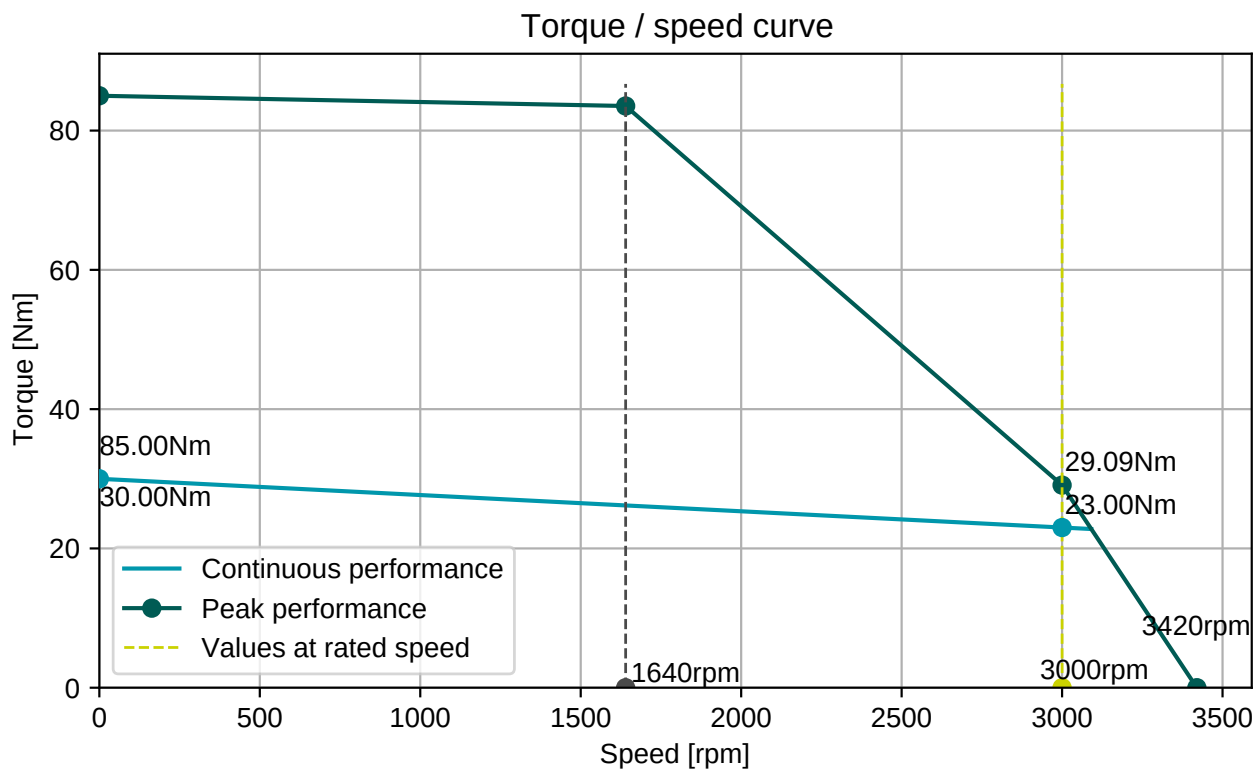
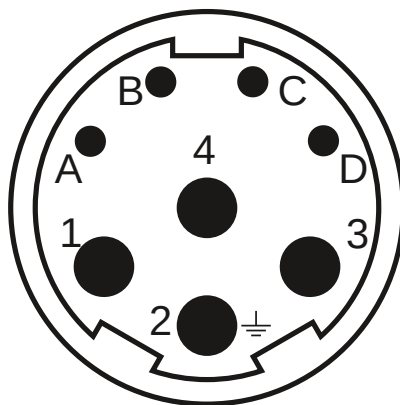


| Engineering data (WIN 861)           |                             | Mechanical data (setting 48)                                                                |                        |
|--------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 560 V DC                    | Max mechanical speed                                                                        | 6000 rpm               |
| Nominal AC voltage                   | 380 V AC (rms)              | Mech. time constant                                                                         | 1.04 ms                |
| Rated voltage                        | 333 V AC (rms)              | Thermal time constant                                                                       | 80 min                 |
| Rated power                          | 7.2 kW                      | Rotor inertia                                                                               | 49.5 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                    | Protection                                                                                  | IP64                   |
| Rated torque                         | 23.00 Nm                    | Color                                                                                       | RAL 9005               |
| Rated current                        | 15.52 A (rms)               | Cooling                                                                                     | Convection             |
| Peak torque                          | 85 Nm                       | Motor-only mass                                                                             | 32 kg                  |
| Peak current                         | 57.7 A (rms)                | Max. axial force 20kh                                                                       | 231 N                  |
| Stall torque                         | 30 Nm                       | Max. radial force 20kh                                                                      | 1214 N*                |
| Stall current                        | 16.3 A (rms)                | Max. axial force 100kh                                                                      | 135 N                  |
| No load speed                        | 3420 rpm                    | Max. radial force 100kh                                                                     | 710 N*                 |
| EMF constant ±10%                    | 111 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                      |                        |
| Theoretical torque constant ±10%     | 1.84 Nm / A<br>(rms)        |                                                                                             |                        |
| Torque constant ±10%<br>@ rated load | 1.48 Nm / A<br>(rms)        | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKS36 (HDSL) single-turn, 17 bits |                        |
| Number of poles                      | 10                          |                                                                                             |                        |
| Electrical time constant             | 15.61 ms                    |                                                                                             |                        |
| Winding terminal resistance          | 0.41 Ω                      |                                                                                             |                        |
| Rotary field terminal inductance     | 6.4 mH                      |                                                                                             |                        |
| Customs info                         |                             |                                                                                             |                        |
| HS Code                              | 85015220                    |                                                                                             |                        |


**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+ |

