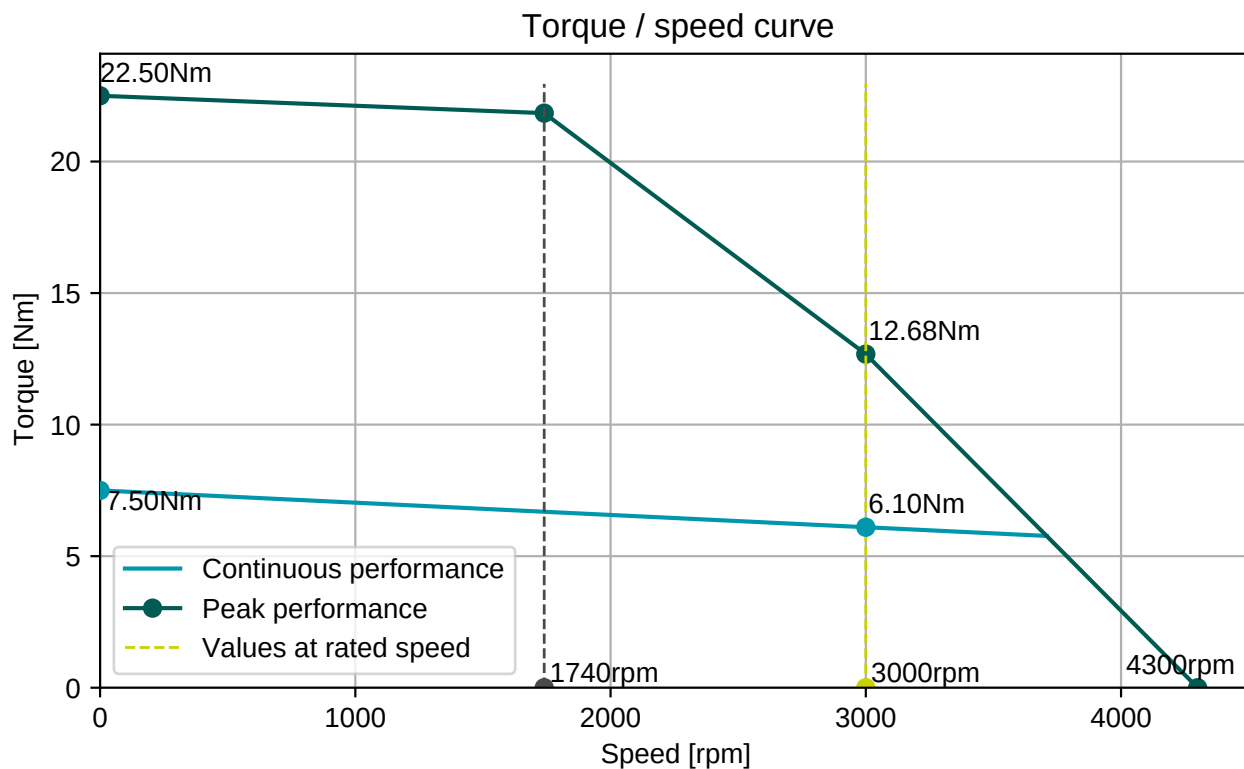
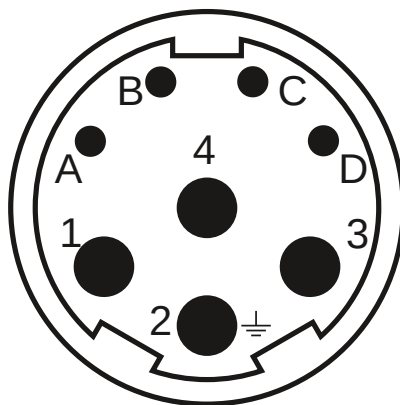


| Engineering data (WIN 710)        |                            | Mechanical data (setting 48)                           |                                   |
|-----------------------------------|----------------------------|--------------------------------------------------------|-----------------------------------|
| DC bus voltage                    | 320 V DC                   | Max mechanical speed                                   | 9000 rpm                          |
| Nominal AC voltage                | 220 V AC (rms)             | Mech. time constant                                    | 0.60 ms                           |
| Rated voltage                     | 162 V AC (rms)             | Thermal time constant                                  | 30 min                            |
| Rated power                       | 1.9 kW                     | Rotor inertia                                          | 3.26 kgcm <sup>2</sup>            |
| Rated speed                       | 3000 rpm                   | Protection                                             | IP64                              |
| Rated torque                      | 6.10 Nm                    | Color                                                  | RAL 9005                          |
| Rated current                     | 8.77 A (rms)               | Cooling                                                | Convection                        |
| Peak torque                       | 22.5 Nm                    | Motor-only mass                                        | 4.7 kg                            |
| Peak current                      | 40.7 A (rms)               | Max. axial force 20kh                                  | 125 N                             |
| Stall torque                      | 7.5 Nm                     | Max. radial force 20kh                                 | 660 N*                            |
| Stall current                     | 8.9 A (rms)                | Max. axial force 100kh                                 | 73 N                              |
| No load speed                     | 4300 rpm                   | Max. radial force 100kh                                | 386 N*                            |
| EMF constant ±10%                 | 51 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                   |
| Theoretical torque constant ±10%  | 0.84 Nm / A<br>(rms)       | Sensors                                                |                                   |
| Torque constant ±10% @ rated load | 0.70 Nm / A<br>(rms)       | Temperature                                            | PT1000 {PT1000}                   |
| Number of poles                   | 10                         | Feedback                                               | EDS35 (HDSL) single-turn, 24 bits |
| Electrical time constant          | 6.32 ms                    | Brake                                                  |                                   |
| Winding terminal resistance       | 0.76 Ω                     | Braking torque                                         | 9.00 Nm                           |
| Rotary field terminal inductance  | 4.8 mH                     | Voltage                                                | 24 V DC                           |
| Customs info                      |                            | Power @20°C                                            | 18.0 W                            |
| HS Code                           | 85015220                   | Current @20°C                                          | 0.75 A                            |
|                                   |                            | Inertia                                                | 0.60 kgcm <sup>2</sup>            |
|                                   |                            | Mass                                                   | 0.82 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+ |

