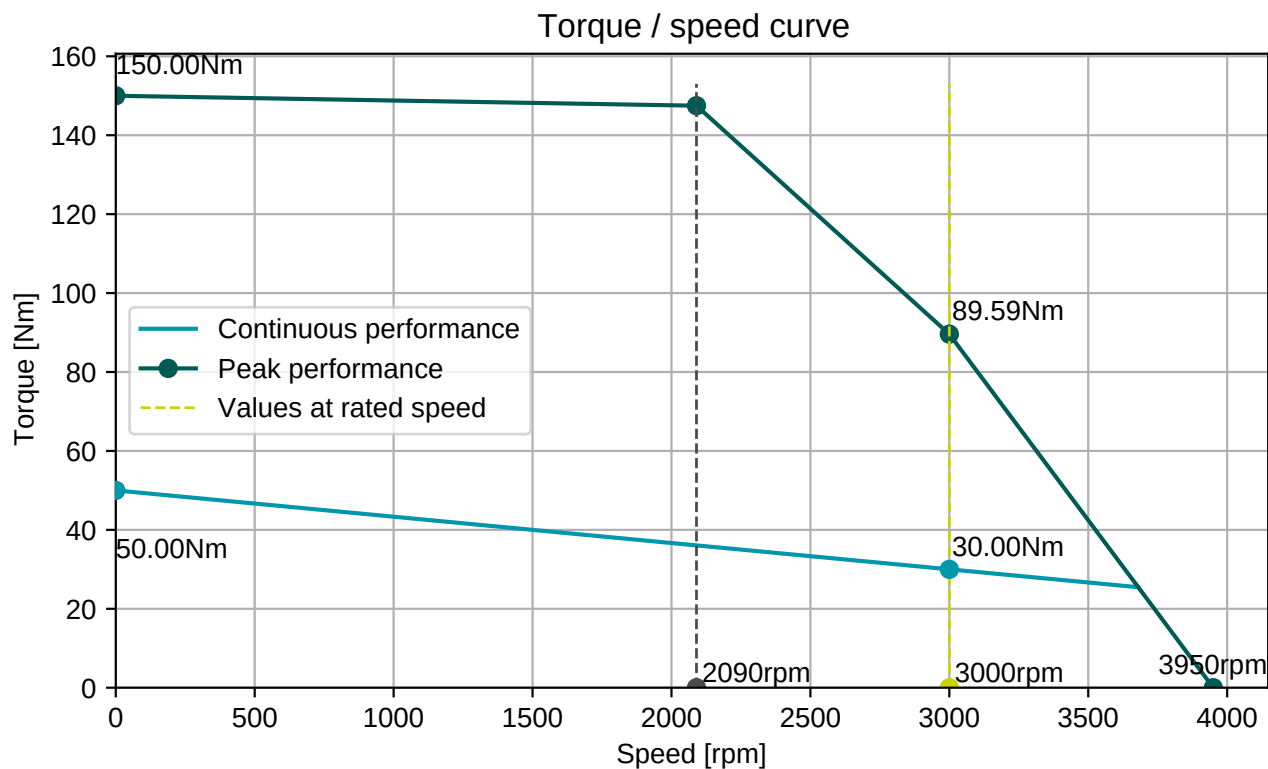


| Engineering data (WIN 860)           |                            | Mechanical data (setting 48)                           |                                        |
|--------------------------------------|----------------------------|--------------------------------------------------------|----------------------------------------|
| DC bus voltage                       | 560 V DC                   | Max mechanical speed                                   | 6000 rpm                               |
| Nominal AC voltage                   | 380 V AC (rms)             | Mech. time constant                                    | 0.75 ms                                |
| Rated voltage                        | 265 V AC (rms)             | Thermal time constant                                  | 100 min                                |
| Rated power                          | 9.4 kW                     | Rotor inertia                                          | 88 kgcm <sup>2</sup>                   |
| Rated speed                          | 3000 rpm                   | Protection                                             | IP64                                   |
| Rated torque                         | 30.00 Nm                   | Color                                                  | RAL 9005                               |
| Rated current                        | 24.35 A (rms)              | Cooling                                                | Convection                             |
| Peak torque                          | 150 Nm                     | Motor-only mass                                        | 24 kg                                  |
| Peak current                         | 109.3 A (rms)              | Max. axial force 20kh                                  | 263 N                                  |
| Stall torque                         | 50 Nm                      | Max. radial force 20kh                                 | 1384 N*                                |
| Stall current                        | 31.5 A (rms)               | Max. axial force 100kh                                 | 154 N                                  |
| No load speed                        | 3950 rpm                   | Max. radial force 100kh                                | 810 N*                                 |
| EMF constant ±10%                    | 98 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                        |
| Theoretical torque constant ±10%     | 1.59 Nm / A<br>(rms)       | Sensors                                                |                                        |
| Torque constant ±10%<br>@ rated load | 1.23 Nm / A<br>(rms)       | Temperature                                            | PT1000 {PT1000}                        |
| Number of poles                      | 10                         | Feedback                                               | EDM35 (HDSL) multi-turn,<br>20+12 bits |
| Electrical time constant             | 20.00 ms                   | Brake                                                  |                                        |
| Winding terminal resistance          | 0.13 Ω                     | Braking torque                                         | 36.00 Nm                               |
| Rotary field terminal inductance     | 2.6 mH                     | Voltage                                                | 24 V DC                                |
| Customs info                         |                            | Power @20°C                                            | 26.0 W                                 |
| HS Code                              | 85015230                   | 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)**

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

