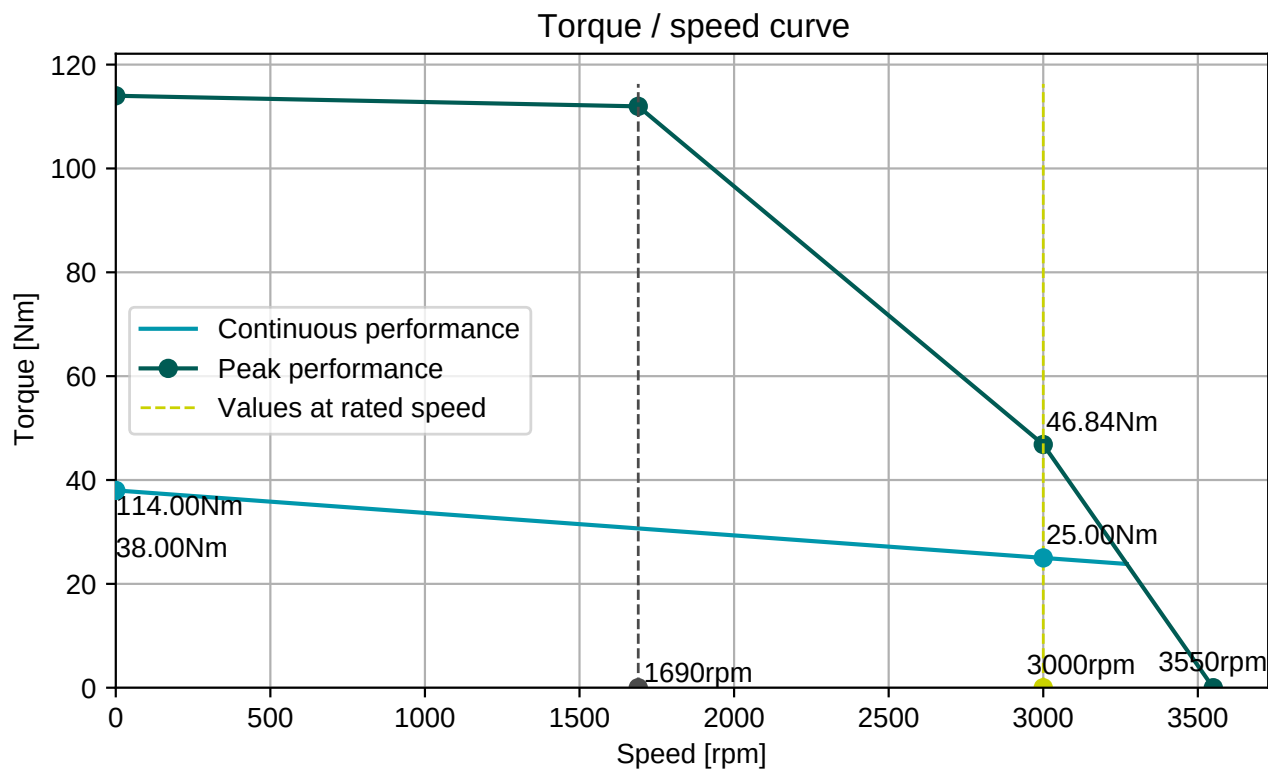


| Engineering data (WIN 940)           |                             | Mechanical data (setting 48)                           |                                        |
|--------------------------------------|-----------------------------|--------------------------------------------------------|----------------------------------------|
| DC bus voltage                       | 560 V DC                    | Max mechanical speed                                   | 6000 rpm                               |
| Nominal AC voltage                   | 380 V AC (rms)              | Mech. time constant                                    | 0.71 ms                                |
| Rated voltage                        | 308 V AC (rms)              | Thermal time constant                                  | 57 min                                 |
| Rated power                          | 7.9 kW                      | Rotor inertia                                          | 39.9 kgcm <sup>2</sup>                 |
| Rated speed                          | 3000 rpm                    | Protection                                             | IP64                                   |
| Rated torque                         | 25.00 Nm                    | Color                                                  | RAL 9005                               |
| Rated current                        | 17.69 A (rms)               | Cooling                                                | Convection                             |
| Peak torque                          | 114 Nm                      | Motor-only mass                                        | 20 kg                                  |
| Peak current                         | 83 A (rms)                  | Max. axial force 20kh                                  | 142 N                                  |
| Stall torque                         | 38 Nm                       | Max. radial force 20kh                                 | 745 N*                                 |
| Stall current                        | 21.5 A (rms)                | Max. axial force 100kh                                 | 83 N                                   |
| No load speed                        | 3550 rpm                    | Max. radial force 100kh                                | 436 N*                                 |
| EMF constant ±10%                    | 107 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                        |
| Theoretical torque constant ±10%     | 1.77 Nm / A<br>(rms)        |                                                        |                                        |
| Torque constant ±10%<br>@ rated load | 1.41 Nm / A<br>(rms)        |                                                        |                                        |
| Number of poles                      | 10                          | Sensors                                                |                                        |
| Electrical time constant             | 13.44 ms                    | Temperature                                            | PT1000 {PT1000}                        |
| Winding terminal resistance          | 0.32 Ω                      | Feedback                                               | EDM35 (HDSL) multi-turn,<br>20+12 bits |
| Rotary field terminal inductance     | 4.3 mH                      | Brake                                                  |                                        |
| Customs info                         |                             | Braking torque                                         | 36.00 Nm                               |
| HS Code                              | 85015230                    | Voltage                                                | 24 V DC                                |
|                                      |                             | Power @20°C                                            | 26.0 W                                 |
|                                      |                             | 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+ |

