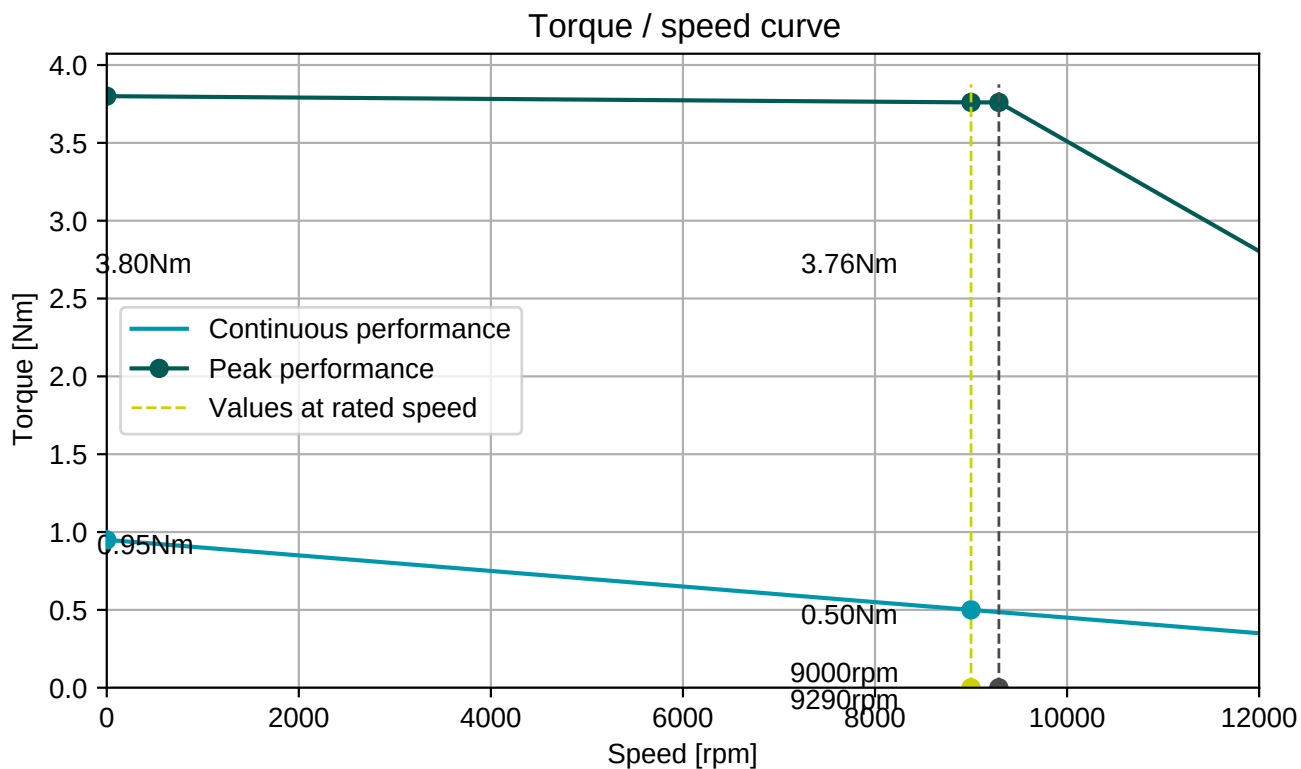


| Engineering data (WIN 943)           |                            | Mechanical data (setting 48)                                                                     |                        |
|--------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 320 V DC                   | Max mechanical speed                                                                             | 12000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)             | Mech. time constant                                                                              | 0.92 ms                |
| Rated voltage                        | 107 V AC (rms)             | Thermal time constant                                                                            | 18 min                 |
| Rated power                          | 471 W                      | Rotor inertia                                                                                    | 0.11 kgcm <sup>2</sup> |
| Rated speed                          | 9000 rpm                   | Protection                                                                                       | IP64                   |
| Rated torque                         | 0.50 Nm                    | Color                                                                                            | RAL 9005               |
| Rated current                        | 2.97 A (rms)               | Cooling                                                                                          | Convection             |
| Peak torque                          | 3.8 Nm                     | Motor-only mass                                                                                  | 1.7 kg                 |
| Peak current                         | 24 A (rms)                 | Max. axial force 20kh                                                                            | 33 N                   |
| Stall torque                         | 0.95 Nm                    | Max. radial force 20kh                                                                           | 176 N*                 |
| Stall current                        | 5.2 A (rms)                | Max. axial force 100kh                                                                           | 20 N                   |
| No load speed                        | 19950 rpm                  | Max. radial force 100kh                                                                          | 103 N*                 |
| EMF constant ±10%                    | 11 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                           |                        |
| Theoretical torque constant ±10%     | 0.18 Nm / A<br>(rms)       |                                                                                                  |                        |
| Torque constant ±10%<br>@ rated load | 0.17 Nm / A<br>(rms)       | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EEM37 (HDSL) multi-turn,<br>17+12 bits |                        |
| Number of poles                      | 6                          |                                                                                                  |                        |
| Electrical time constant             | 1.44 ms                    |                                                                                                  |                        |
| Winding terminal resistance          | 1.6 Ω                      |                                                                                                  |                        |
| Rotary field terminal inductance     | 2.3 mH                     |                                                                                                  |                        |
| Customs info                         |                            |                                                                                                  |                        |
| HS Code                              | 85015100                   |                                                                                                  |                        |


**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+ |

