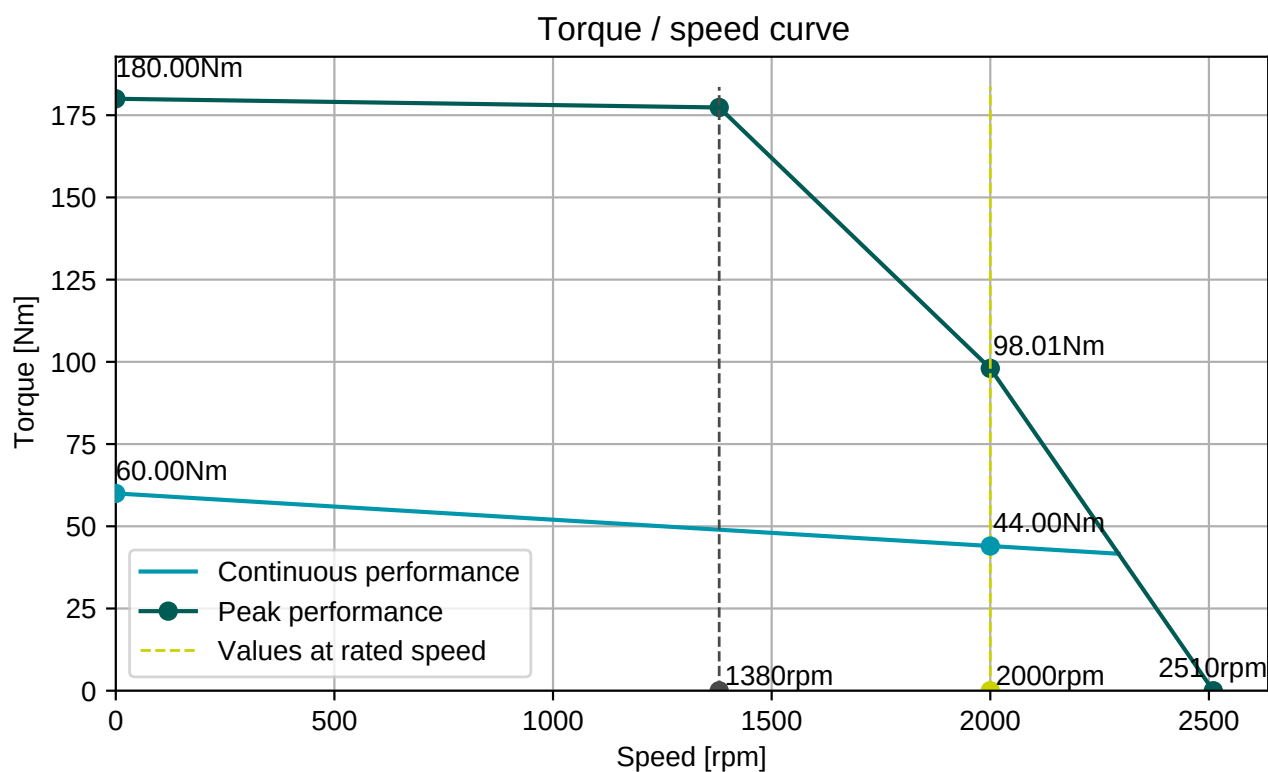


| Engineering data (WIN 945)           |                             | Mechanical data (setting 48)                                                                      |                       |
|--------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------|-----------------------|
| 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                        | 311 V AC (rms)              | Thermal time constant                                                                             | 108 min               |
| Rated power                          | 9.2 kW                      | Rotor inertia                                                                                     | 107 kgcm <sup>2</sup> |
| Rated speed                          | 2000 rpm                    | Protection                                                                                        | IP64                  |
| Rated torque                         | 44.00 Nm                    | Color                                                                                             | RAL 9005              |
| Rated current                        | 19.66 A (rms)               | Cooling                                                                                           | Convection            |
| Peak torque                          | 180 Nm                      | Motor-only mass                                                                                   | 24 kg                 |
| Peak current                         | 81.6 A (rms)                | Max. axial force 20kh                                                                             | 302 N                 |
| Stall torque                         | 60 Nm                       | Max. radial force 20kh                                                                            | 1588 N*               |
| Stall current                        | 24 A (rms)                  | Max. axial force 100kh                                                                            | 176 N                 |
| No load speed                        | 2510 rpm                    | Max. radial force 100kh                                                                           | 929 N*                |
| EMF constant ±10%                    | 151 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                            |                       |
| Theoretical torque constant ±10%     | 2.5 Nm / A<br>(rms)         |                                                                                                   |                       |
| Torque constant ±10%<br>@ rated load | 2.2 Nm / A<br>(rms)         | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKS36 (HDSL) single-turn, 18 bits, SIL2 |                       |
| Number of poles                      | 10                          |                                                                                                   |                       |
| Electrical time constant             | 21.25 ms                    |                                                                                                   |                       |
| Winding terminal resistance          | 0.24 Ω                      |                                                                                                   |                       |
| Rotary field terminal inductance     | 5.1 mH                      |                                                                                                   |                       |
| Customs info                         |                             |                                                                                                   |                       |
| HS Code                              | 85015230                    |                                                                                                   |                       |


**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+ |

