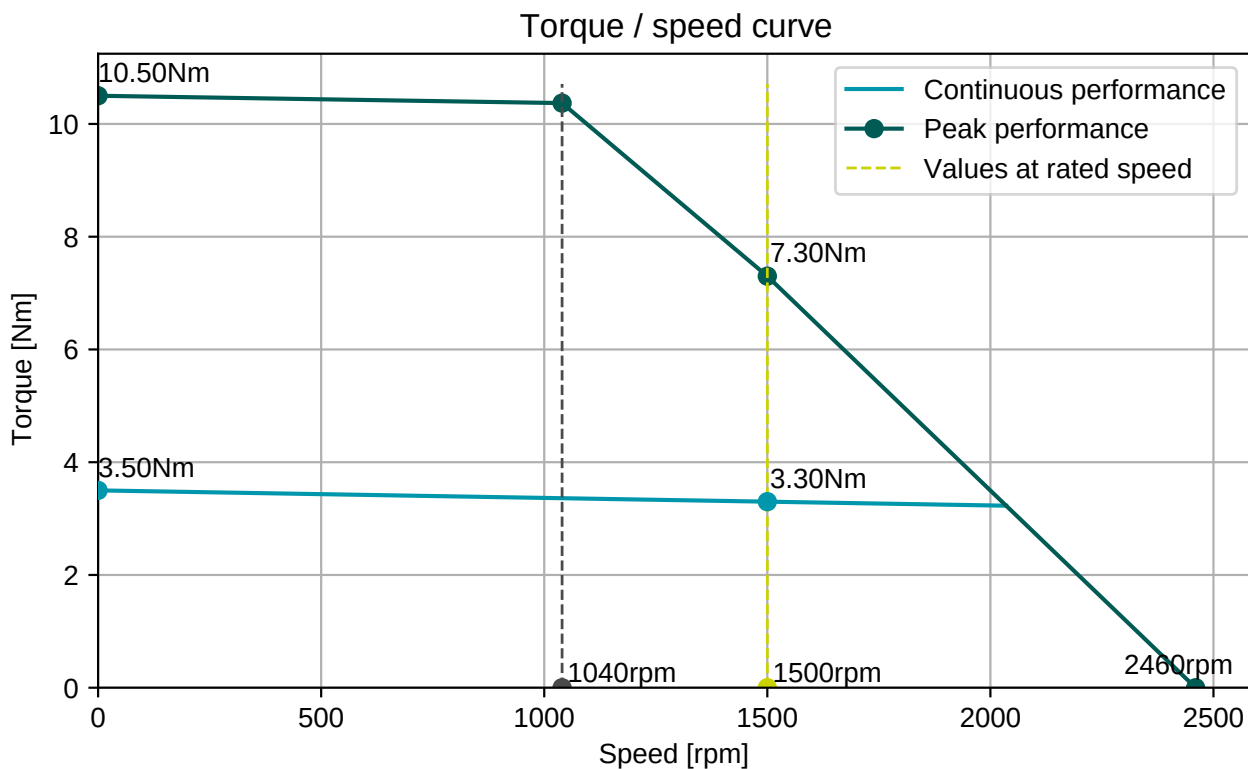


| Engineering data (WIN 1073)          |                            | Mechanical data (setting 48)                                                                      |                        |
|--------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 320 V DC                   | Max mechanical speed                                                                              | 12000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)             | Mech. time constant                                                                               | 0.74 ms                |
| Rated voltage                        | 160 V AC (rms)             | Thermal time constant                                                                             | 27 min                 |
| Rated power                          | 518 W                      | Rotor inertia                                                                                     | 1.04 kgcm <sup>2</sup> |
| Rated speed                          | 1500 rpm                   | Protection                                                                                        | IP64                   |
| Rated torque                         | 3.30 Nm                    | Color                                                                                             | RAL 9005               |
| Rated current                        | 2.48 A (rms)               | Cooling                                                                                           | Convection             |
| Peak torque                          | 10.5 Nm                    | Motor-only mass                                                                                   | 2 kg                   |
| Peak current                         | 8.6 A (rms)                | Max. axial force 20kh                                                                             | 85 N                   |
| Stall torque                         | 3.5 Nm                     | Max. radial force 20kh                                                                            | 449 N*                 |
| Stall current                        | 2.38 A (rms)               | Max. axial force 100kh                                                                            | 50 N                   |
| No load speed                        | 2460 rpm                   | Max. radial force 100kh                                                                           | 262 N*                 |
| EMF constant ±10%                    | 89 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                            |                        |
| Theoretical torque constant ±10%     | 1.47 Nm / A<br>(rms)       |                                                                                                   |                        |
| Torque constant ±10%<br>@ rated load | 1.33 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             | 2.88 ms                    |                                                                                                   |                        |
| Winding terminal resistance          | 8.89 Ω                     |                                                                                                   |                        |
| Rotary field terminal inductance     | 25.6 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+ |

