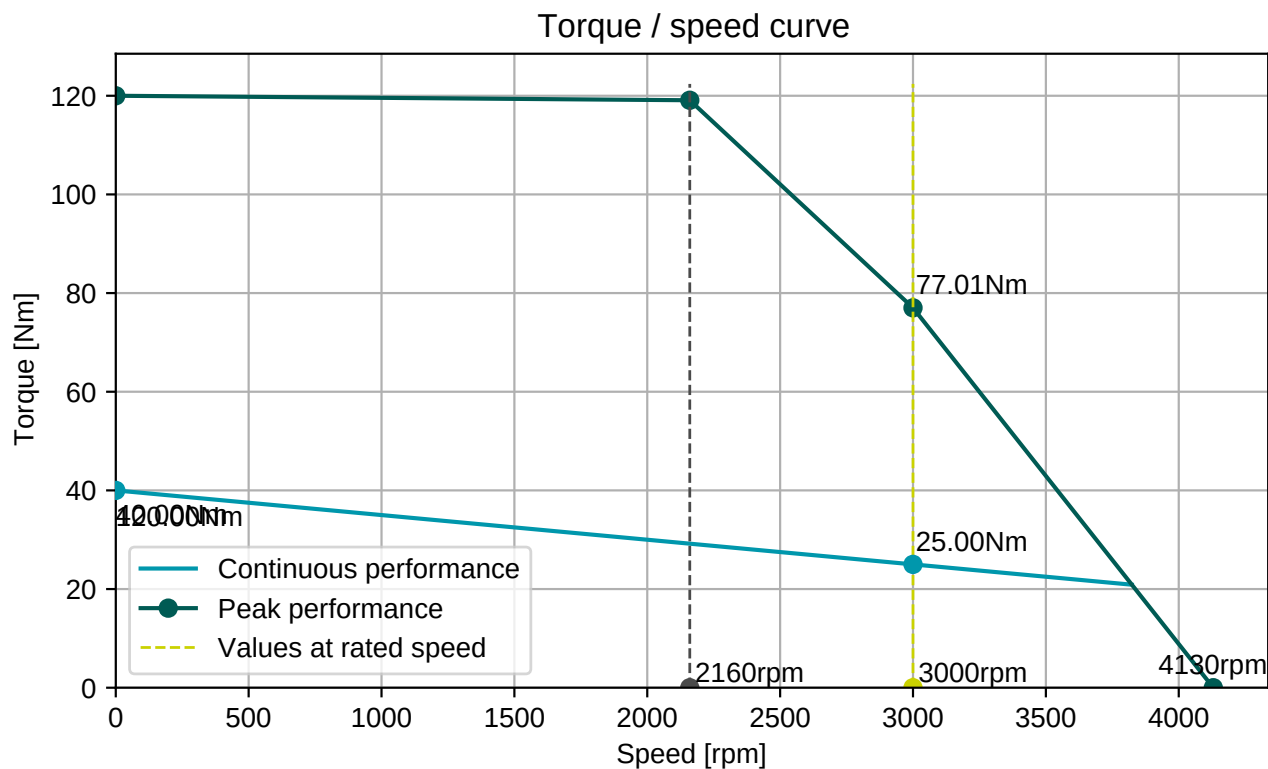


| Engineering data (WIN 833)           |                            | Mechanical data (setting 48)                                                                |                      |
|--------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------|
| DC bus voltage                       | 560 V DC                   | Max mechanical speed                                                                        | 6000 rpm             |
| Nominal AC voltage                   | 380 V AC (rms)             | Mech. time constant                                                                         | 0.88 ms              |
| Rated voltage                        | 257 V AC (rms)             | Thermal time constant                                                                       | 90 min               |
| Rated power                          | 7.9 kW                     | Rotor inertia                                                                               | 69 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                   | Protection                                                                                  | IP64                 |
| Rated torque                         | 25.00 Nm                   | Color                                                                                       | RAL 9005             |
| Rated current                        | 20.1 A (rms)               | Cooling                                                                                     | Convection           |
| Peak torque                          | 120 Nm                     | Motor-only mass                                                                             | 20.2 kg              |
| Peak current                         | 90.2 A (rms)               | Max. axial force 20kh                                                                       | 245 N                |
| Stall torque                         | 40 Nm                      | Max. radial force 20kh                                                                      | 1291 N*              |
| Stall current                        | 26.3 A (rms)               | Max. axial force 100kh                                                                      | 143 N                |
| No load speed                        | 4130 rpm                   | Max. radial force 100kh                                                                     | 755 N*               |
| EMF constant ±10%                    | 92 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                      |                      |
| Theoretical torque constant ±10%     | 1.52 Nm / A<br>(rms)       |                                                                                             |                      |
| Torque constant ±10%<br>@ rated load | 1.24 Nm / A<br>(rms)       | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKS36 (HDSL) single-turn, 17 bits |                      |
| Number of poles                      | 10                         |                                                                                             |                      |
| Electrical time constant             | 18.24 ms                   |                                                                                             |                      |
| Winding terminal resistance          | 0.17 Ω                     |                                                                                             |                      |
| Rotary field terminal inductance     | 3.1 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+ |

