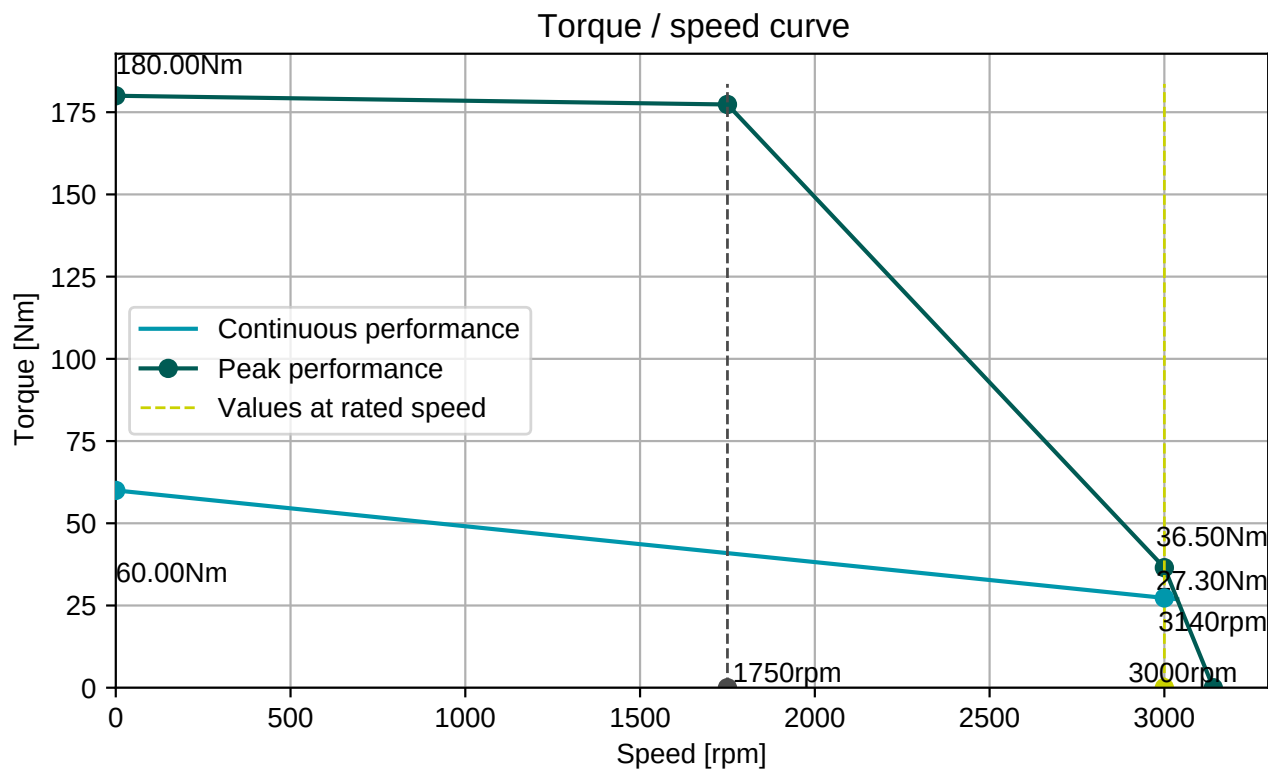


| Engineering data (WIN 1165)          |                             | Mechanical data (setting 48)                                                                     |                       |
|--------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-----------------------|
| DC bus voltage                       | 560 V DC                    | Max mechanical speed                                                                             | 6000 rpm              |
| Nominal AC voltage                   | 380 V AC (rms)              | Mech. time constant                                                                              | 0.69 ms               |
| Rated voltage                        | 349 V AC (rms)              | Thermal time constant                                                                            | 108 min               |
| Rated power                          | 8.6 kW                      | Rotor inertia                                                                                    | 107 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                    | Protection                                                                                       | IP64                  |
| Rated torque                         | 27.30 Nm                    | Color                                                                                            | RAL 9005              |
| Rated current                        | 16.18 A (rms)               | Cooling                                                                                          | Convection            |
| Peak torque                          | 180 Nm                      | Motor-only mass                                                                                  | 24 kg                 |
| Peak current                         | 101.8 A (rms)               | Max. axial force 20kh                                                                            | 264 N                 |
| Stall torque                         | 60 Nm                       | Max. radial force 20kh                                                                           | 1388 N*               |
| Stall current                        | 30 A (rms)                  | Max. axial force 100kh                                                                           | 154 N                 |
| No load speed                        | 3140 rpm                    | Max. radial force 100kh                                                                          | 811 N*                |
| EMF constant ±10%                    | 125 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                           |                       |
| Theoretical torque constant ±10%     | 2.067 Nm / A<br>(rms)       |                                                                                                  |                       |
| Torque constant ±10%<br>@ rated load | 1.687 Nm / A<br>(rms)       | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EDM35 (HDSL) multi-turn,<br>20+12 bits |                       |
| Number of poles                      | 10                          |                                                                                                  |                       |
| Electrical time constant             | 18.75 ms                    |                                                                                                  |                       |
| Winding terminal resistance          | 0.16 Ω                      |                                                                                                  |                       |
| Rotary field terminal inductance     | 3 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+ |

