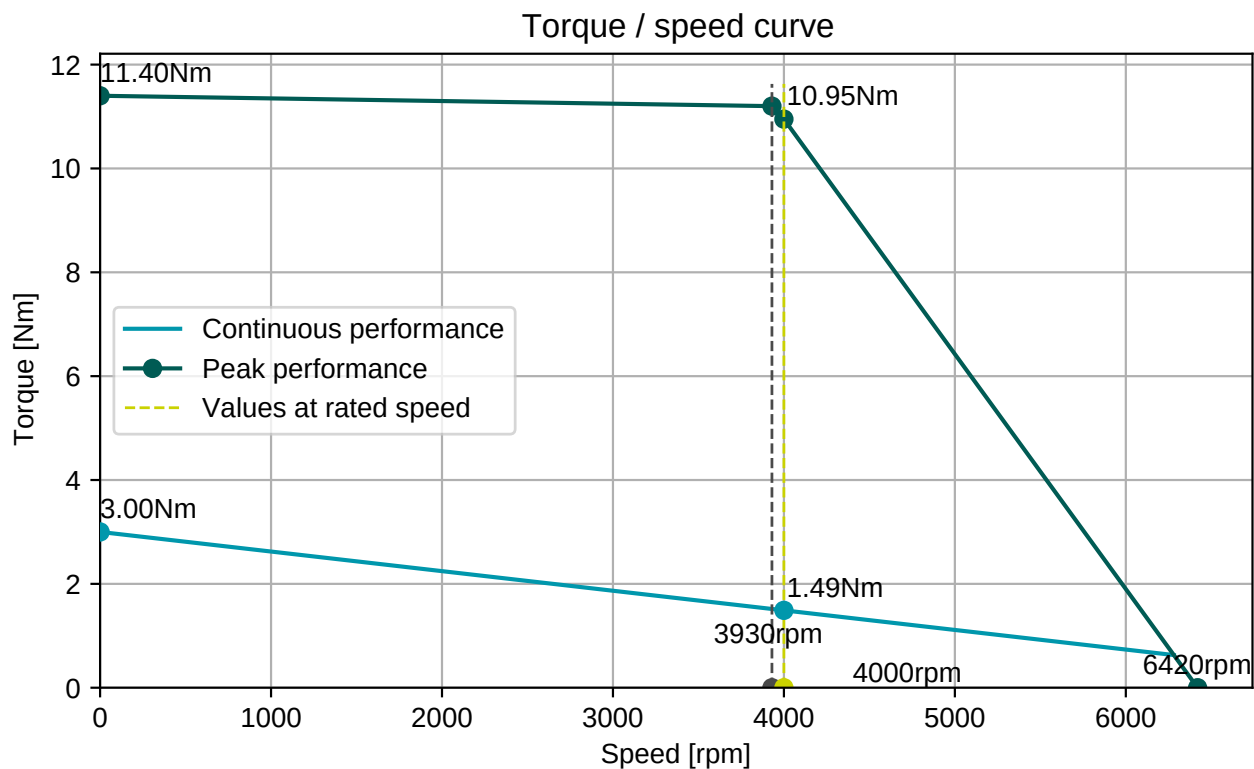


| Engineering data (WIN 1532)          |                            | Mechanical data (setting 48)                                                                    |                       |
|--------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------|-----------------------|
| DC bus voltage                       | 560 V DC                   | Max mechanical speed                                                                            | 12000 rpm             |
| Nominal AC voltage                   | 380 V AC (rms)             | Mech. time constant                                                                             | 1.08 ms               |
| Rated voltage                        | 231 V AC (rms)             | Thermal time constant                                                                           | 40 min                |
| Rated power                          | 624 W                      | Rotor inertia                                                                                   | 1.2 kgcm <sup>2</sup> |
| Rated speed                          | 4000 rpm                   | Protection                                                                                      | IP64                  |
| Rated torque                         | 1.49 Nm                    | Color                                                                                           | RAL 9005              |
| Rated current                        | 1.88 A (rms)               | Cooling                                                                                         | Convection            |
| Peak torque                          | 11.4 Nm                    | Motor-only mass                                                                                 | 2.8 kg                |
| Peak current                         | 13.2 A (rms)               | Max. axial force 20kh                                                                           | 61 N                  |
| Stall torque                         | 3 Nm                       | Max. radial force 20kh                                                                          | 324 N*                |
| Stall current                        | 3.07 A (rms)               | Max. axial force 100kh                                                                          | 36 N                  |
| No load speed                        | 6420 rpm                   | Max. radial force 100kh                                                                         | 189 N*                |
| EMF constant ±10%                    | 59 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                          |                       |
| Theoretical torque constant ±10%     | 0.976 Nm / A<br>(rms)      |                                                                                                 |                       |
| Torque constant ±10%<br>@ rated load | 0.793 Nm / A<br>(rms)      | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKM36 (HDSL) multi-turn, 17 + 12 bits |                       |
| Number of poles                      | 10                         |                                                                                                 |                       |
| Electrical time constant             | 1.63 ms                    |                                                                                                 |                       |
| Winding terminal resistance          | 4.953 Ω                    |                                                                                                 |                       |
| Rotary field terminal inductance     | 8.06 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+ |

