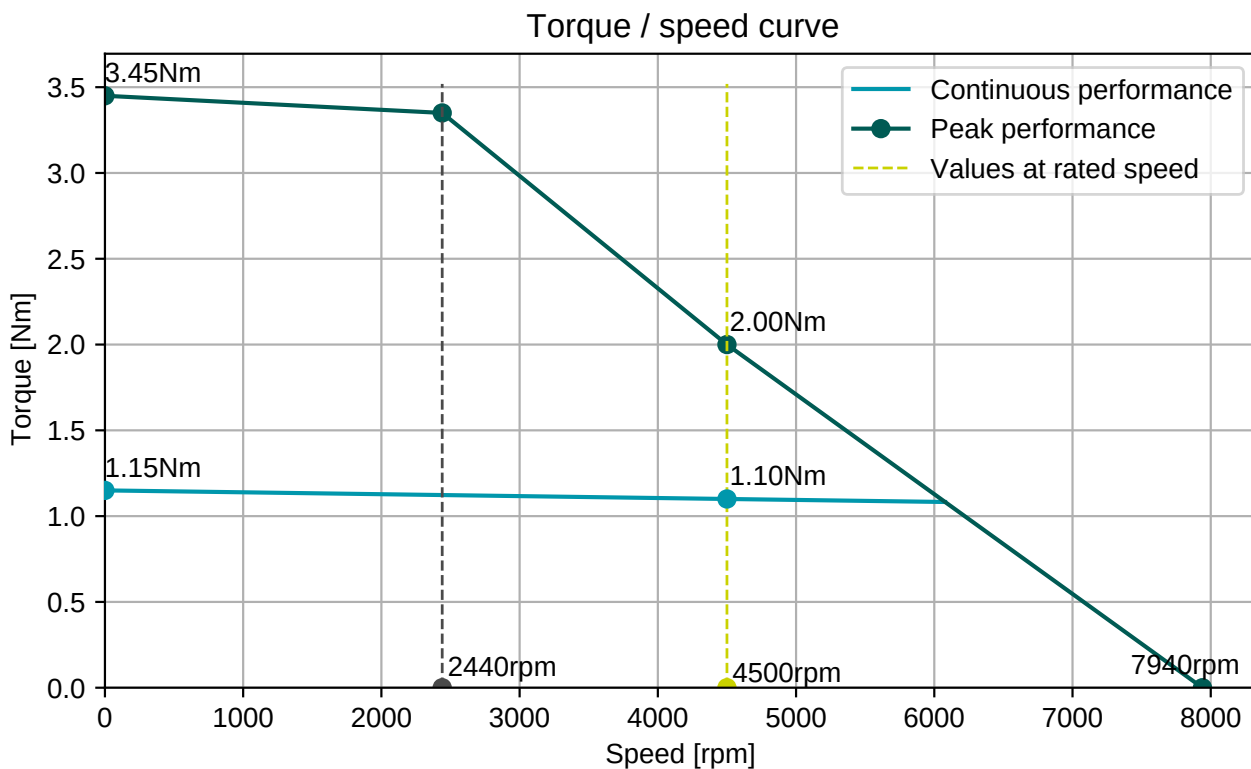


| Engineering data (WIN 960)           |                              | Mechanical data (setting 48)                                                                     |                        |
|--------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 320 V DC                     | Max mechanical speed                                                                             | 12000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)               | Mech. time constant                                                                              | 1.39 ms                |
| Rated voltage                        | 154 V AC (rms)               | Thermal time constant                                                                            | 21 min                 |
| Rated power                          | 518 W                        | Rotor inertia                                                                                    | 0.31 kgcm <sup>2</sup> |
| Rated speed                          | 4500 rpm                     | Protection                                                                                       | IP64                   |
| Rated torque                         | 1.10 Nm                      | Color                                                                                            | RAL 9005               |
| Rated current                        | 2.94 A (rms)                 | Cooling                                                                                          | Convection             |
| Peak torque                          | 3.45 Nm                      | Motor-only mass                                                                                  | 2 kg                   |
| Peak current                         | 11.1 A (rms)                 | Max. axial force 20kh                                                                            | 47 N                   |
| Stall torque                         | 1.15 Nm                      | Max. radial force 20kh                                                                           | 247 N*                 |
| Stall current                        | 2.53 A (rms)                 | Max. axial force 100kh                                                                           | 27 N                   |
| No load speed                        | 7940 rpm                     | Max. radial force 100kh                                                                          | 145 N*                 |
| EMF constant ±10%                    | 27.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                           |                        |
| Theoretical torque constant ±10%     | 0.45 Nm / A<br>(rms)         |                                                                                                  |                        |
| Torque constant ±10%<br>@ rated load | 0.37 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             | 2.23 ms                      |                                                                                                  |                        |
| Winding terminal resistance          | 5.37 Ω                       |                                                                                                  |                        |
| Rotary field terminal inductance     | 12 mH                        |                                                                                                  |                        |
| Customs info                         |                              |                                                                                                  |                        |
| HS Code                              | 85015100                     |                                                                                                  |                        |



**BGC110N00001216000**

M23, 8 poles, rotary



**Connector 1 (283)**

|          |          |
|----------|----------|
| <b>1</b> | U        |
| <b>4</b> | V        |
| <b>3</b> | W        |
| <b>2</b> | PE       |
| <b>A</b> | Brake+   |
| <b>B</b> | Brake-   |
| <b>C</b> | GND/DSL- |
| <b>D</b> | +Us/DSL+ |

