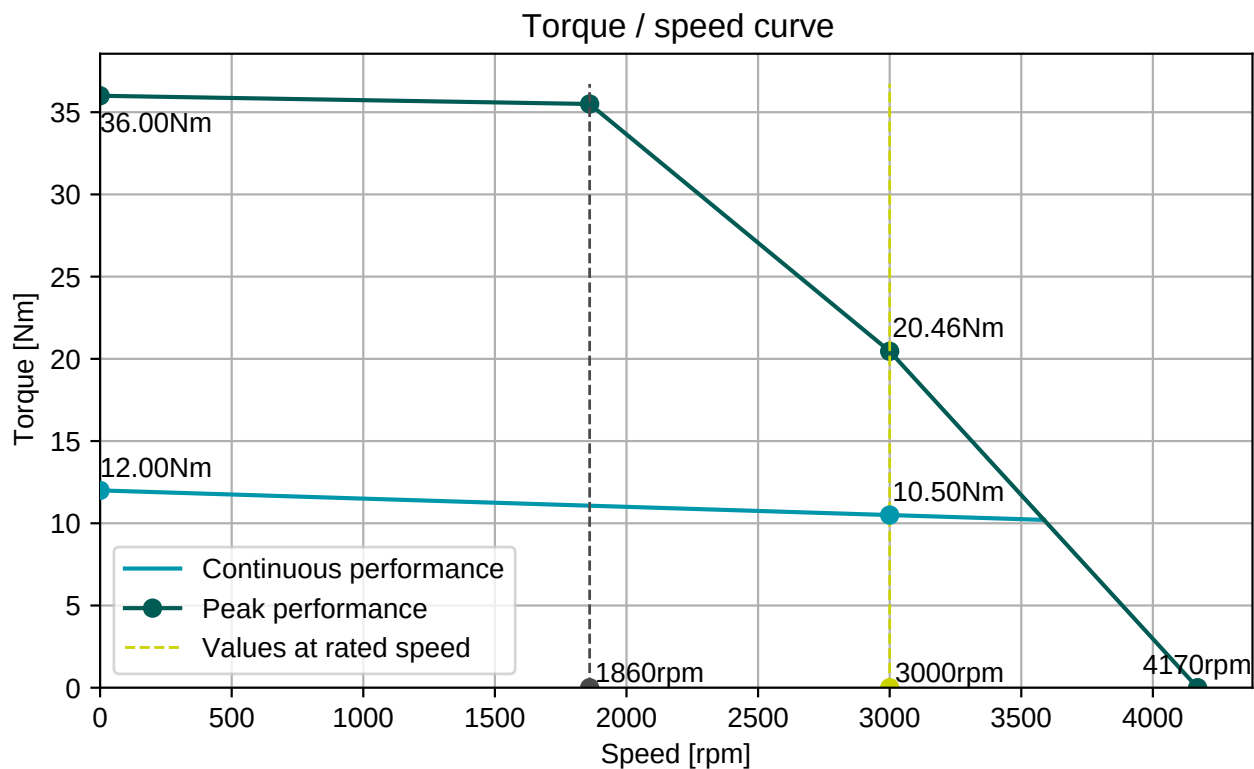


| Engineering data (WIN 729)           |                            | Mechanical data (setting 48)                           |                                        |
|--------------------------------------|----------------------------|--------------------------------------------------------|----------------------------------------|
| DC bus voltage                       | 560 V DC                   | Max mechanical speed                                   | 9000 rpm                               |
| Nominal AC voltage                   | 380 V AC (rms)             | Mech. time constant                                    | 0.80 ms                                |
| Rated voltage                        | 291 V AC (rms)             | Thermal time constant                                  | 45 min                                 |
| Rated power                          | 3.3 kW                     | Rotor inertia                                          | 7.9 kgcm <sup>2</sup>                  |
| Rated speed                          | 3000 rpm                   | Protection                                             | IP64                                   |
| Rated torque                         | 10.50 Nm                   | Color                                                  | RAL 9005                               |
| Rated current                        | 8.25 A (rms)               | Cooling                                                | Convection                             |
| Peak torque                          | 36 Nm                      | Motor-only mass                                        | 11.2 kg                                |
| Peak current                         | 29.4 A (rms)               | Max. axial force 20kh                                  | 129 N                                  |
| Stall torque                         | 12 Nm                      | Max. radial force 20kh                                 | 681 N*                                 |
| Stall current                        | 8 A (rms)                  | Max. axial force 100kh                                 | 76 N                                   |
| No load speed                        | 4170 rpm                   | Max. radial force 100kh                                | 398 N*                                 |
| EMF constant ±10%                    | 91 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                        |
| Theoretical torque constant ±10%     | 1.51 Nm / A<br>(rms)       |                                                        |                                        |
| Torque constant ±10%<br>@ rated load | 1.27 Nm / A<br>(rms)       |                                                        |                                        |
| Number of poles                      | 10                         | Sensors                                                |                                        |
| Electrical time constant             | 8.20 ms                    | Temperature                                            | PT1000 {PT1000}                        |
| Winding terminal resistance          | 1.33 Ω                     | Feedback                                               | EDM35 (HDSL) multi-turn,<br>20+12 bits |
| Rotary field terminal inductance     | 10.9 mH                    | Brake                                                  |                                        |
| Customs info                         |                            | Braking torque                                         | 18.00 Nm                               |
| HS Code                              | 85015220                   | Voltage                                                | 24 V DC                                |
|                                      |                            | Power @20°C                                            | 24.0 W                                 |
|                                      |                            | Current @20°C                                          | 1.00 A                                 |
|                                      |                            | Inertia                                                | 2.00 kgcm <sup>2</sup>                 |
|                                      |                            | Mass                                                   | 1.80 kg                                |


**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+ |

