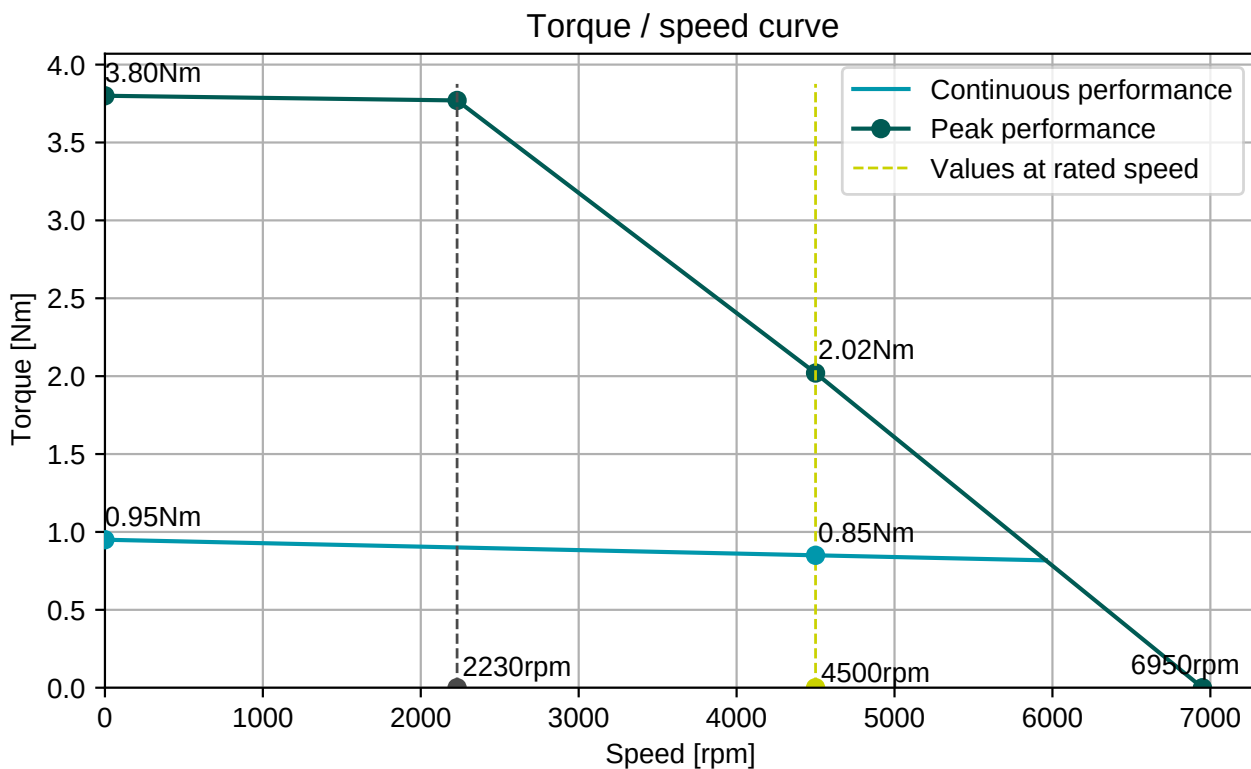


| Engineering data (WIN 745)        |                              | Mechanical data (setting 48)                           |                                       |
|-----------------------------------|------------------------------|--------------------------------------------------------|---------------------------------------|
| DC bus voltage                    | 320 V DC                     | Max mechanical speed                                   | 12000 rpm                             |
| Nominal AC voltage                | 220 V AC (rms)               | Mech. time constant                                    | 0.92 ms                               |
| Rated voltage                     | 172 V AC (rms)               | Thermal time constant                                  | 18 min                                |
| Rated power                       | 401 W                        | Rotor inertia                                          | 0.11 kgcm <sup>2</sup>                |
| Rated speed                       | 4500 rpm                     | Protection                                             | IP64                                  |
| Rated torque                      | 0.85 Nm                      | Color                                                  | RAL 9005                              |
| Rated current                     | 1.7 A (rms)                  | Cooling                                                | Convection                            |
| Peak torque                       | 3.8 Nm                       | Motor-only mass                                        | 1.7 kg                                |
| Peak current                      | 8.4 A (rms)                  | Max. axial force 20kh                                  | 44 N                                  |
| Stall torque                      | 0.95 Nm                      | Max. radial force 20kh                                 | 230 N*                                |
| Stall current                     | 1.82 A (rms)                 | Max. axial force 100kh                                 | 26 N                                  |
| No load speed                     | 6950 rpm                     | Max. radial force 100kh                                | 135 N*                                |
| EMF constant ±10%                 | 31.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                       |
| Theoretical torque constant ±10%  | 0.52 Nm / A (rms)            | Sensors                                                |                                       |
| Torque constant ±10% @ rated load | 0.50 Nm / A (rms)            | Temperature                                            | PT1000 {PT1000}                       |
| Number of poles                   | 6                            | Feedback                                               | EKM36 (HDSL) multi-turn, 17 + 12 bits |
| Electrical time constant          | 1.46 ms                      | Brake                                                  |                                       |
| Winding terminal resistance       | 13.05 Ω                      | Braking torque                                         | 2.00 Nm                               |
| Rotary field terminal inductance  | 19 mH                        | Voltage                                                | 24 V DC                               |
| Customs info                      |                              | Power @20°C                                            | 11.0 W                                |
| HS Code                           | 85015100                     | Current @20°C                                          | 0.46 A                                |
|                                   |                              | Inertia                                                | 0.08 kgcm <sup>2</sup>                |
|                                   |                              | Mass                                                   | 0.20 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+ |

