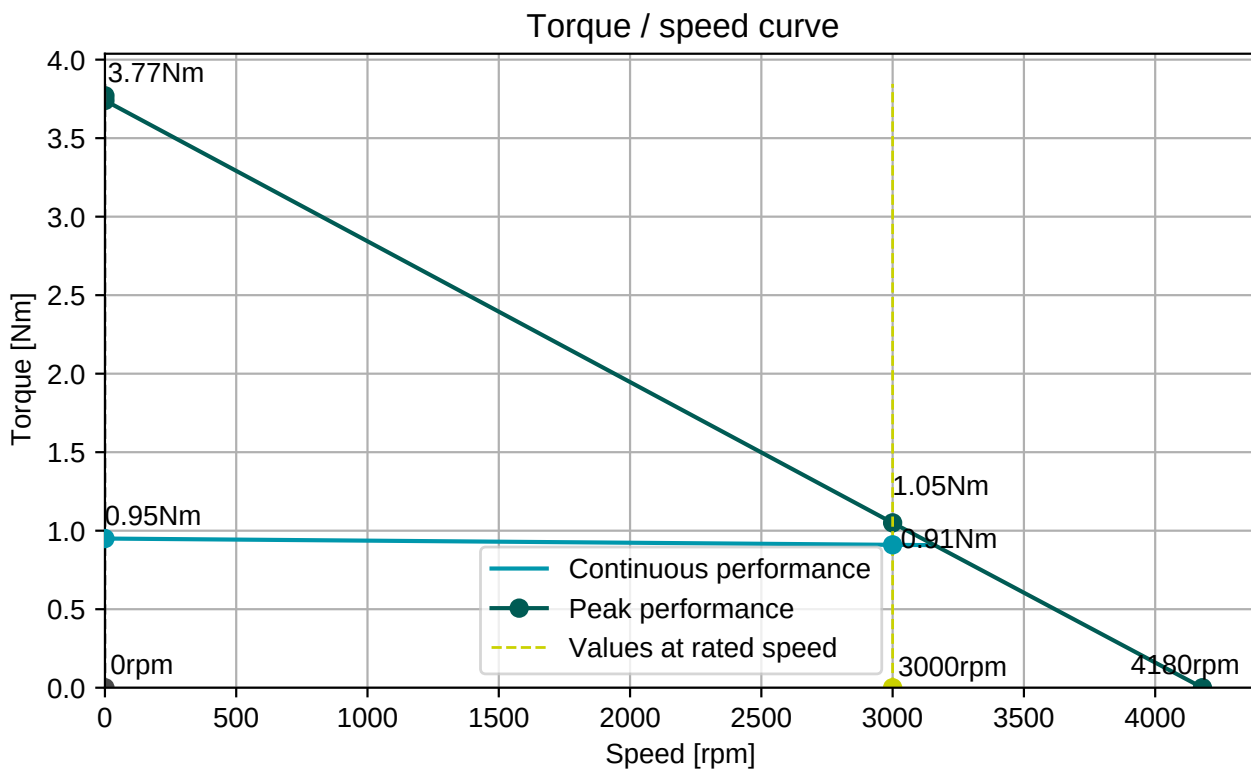


| Engineering data (WIN 1035)       |                             | Mechanical data (setting 48)                           |                                   |
|-----------------------------------|-----------------------------|--------------------------------------------------------|-----------------------------------|
| DC bus voltage                    | 48 V DC                     | Max mechanical speed                                   | 12000 rpm                         |
| Nominal AC voltage                | 33 V AC (rms)               | Mech. time constant                                    | 1.00 ms                           |
| Rated voltage                     | 32 V AC (rms)               | Thermal time constant                                  | 18 min                            |
| Rated power                       | 286 W                       | Rotor inertia                                          | 0.11 kgcm <sup>2</sup>            |
| Rated speed                       | 3000 rpm                    | Protection                                             | IP64                              |
| Rated torque                      | 0.91 Nm                     | Color                                                  | RAL 9005                          |
| Rated current                     | 7.31 A (rms)                | Cooling                                                | Convection                        |
| Peak torque                       | 3.77 Nm                     | Motor-only mass                                        | 1.7 kg                            |
| Peak current                      | 33.4 A (rms)                | Max. axial force 20kh                                  | 50 N                              |
| Stall torque                      | 0.95 Nm                     | Max. radial force 20kh                                 | 264 N*                            |
| Stall current                     | 7.3 A (rms)                 | Max. axial force 100kh                                 | 29 N                              |
| No load speed                     | 4180 rpm                    | Max. radial force 100kh                                | 154 N*                            |
| EMF constant ±10%                 | 7.8 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                   |
| Theoretical torque constant ±10%  | 0.13 Nm / A (rms)           | Sensors                                                |                                   |
| Torque constant ±10% @ rated load | 0.12 Nm / A (rms)           | Temperature                                            | PT1000 {PT1000}                   |
| Number of poles                   | 6                           | Feedback                                               | EKS36 (HDSL) single-turn, 17 bits |
| Electrical time constant          | 1.36 ms                     | Brake                                                  |                                   |
| Winding terminal resistance       | 0.87 Ω                      | Braking torque                                         | 2.00 Nm                           |
| Rotary field terminal inductance  | 1.18 mH                     | Voltage                                                | 24 V DC                           |
| <b>Customs info</b>               |                             | 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+ |

