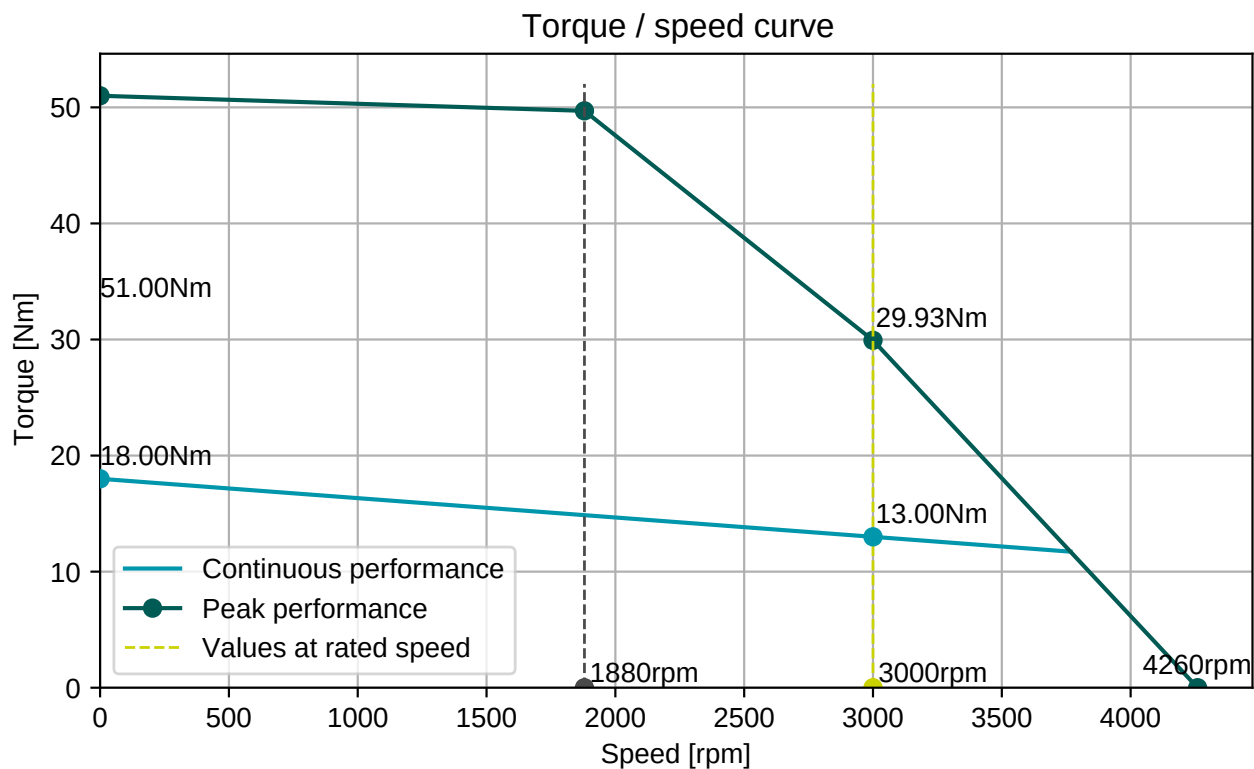


| Engineering data (WIN 1074)       |                            | Mechanical data (setting 48)                           |                                         |
|-----------------------------------|----------------------------|--------------------------------------------------------|-----------------------------------------|
| DC bus voltage                    | 560 V DC                   | Max mechanical speed                                   | 6000 rpm                                |
| Nominal AC voltage                | 380 V AC (rms)             | Mech. time constant                                    | 0.92 ms                                 |
| Rated voltage                     | 274 V AC (rms)             | Thermal time constant                                  | 42 min                                  |
| Rated power                       | 4.1 kW                     | Rotor inertia                                          | 18.5 kgcm <sup>2</sup>                  |
| Rated speed                       | 3000 rpm                   | Protection                                             | IP64                                    |
| Rated torque                      | 13.00 Nm                   | Color                                                  | RAL 9005                                |
| Rated current                     | 10.96 A (rms)              | Cooling                                                | Convection                              |
| Peak torque                       | 51 Nm                      | Motor-only mass                                        | 13.7 kg                                 |
| Peak current                      | 45.4 A (rms)               | Max. axial force 20kh                                  | 133 N                                   |
| Stall torque                      | 18 Nm                      | Max. radial force 20kh                                 | 699 N*                                  |
| Stall current                     | 12.2 A (rms)               | Max. axial force 100kh                                 | 78 N                                    |
| No load speed                     | 4260 rpm                   | Max. radial force 100kh                                | 409 N*                                  |
| EMF constant ±10%                 | 89 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                         |
| Theoretical torque constant ±10%  | 1.47 Nm / A (rms)          | Sensors                                                |                                         |
| Torque constant ±10% @ rated load | 1.19 Nm / A (rms)          | Temperature                                            | PT1000 {PT1000}                         |
| Number of poles                   | 10                         | Feedback                                               | EKS36 (HDSL) single-turn, 18 bits, SIL2 |
| Electrical time constant          | 11.61 ms                   | Brake                                                  |                                         |
| Winding terminal resistance       | 0.62 Ω                     | Braking torque                                         | 36.00 Nm                                |
| Rotary field terminal inductance  | 7.2 mH                     | Voltage                                                | 24 V DC                                 |
| <b>Customs info</b>               |                            | Power @20°C                                            | 26.0 W                                  |
| HS Code                           | 85015220                   | Current @20°C                                          | 1.08 A                                  |
|                                   |                            | Inertia                                                | 6.20 kgcm <sup>2</sup>                  |
|                                   |                            | Mass                                                   | 2.85 kg                                 |


**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+ |

