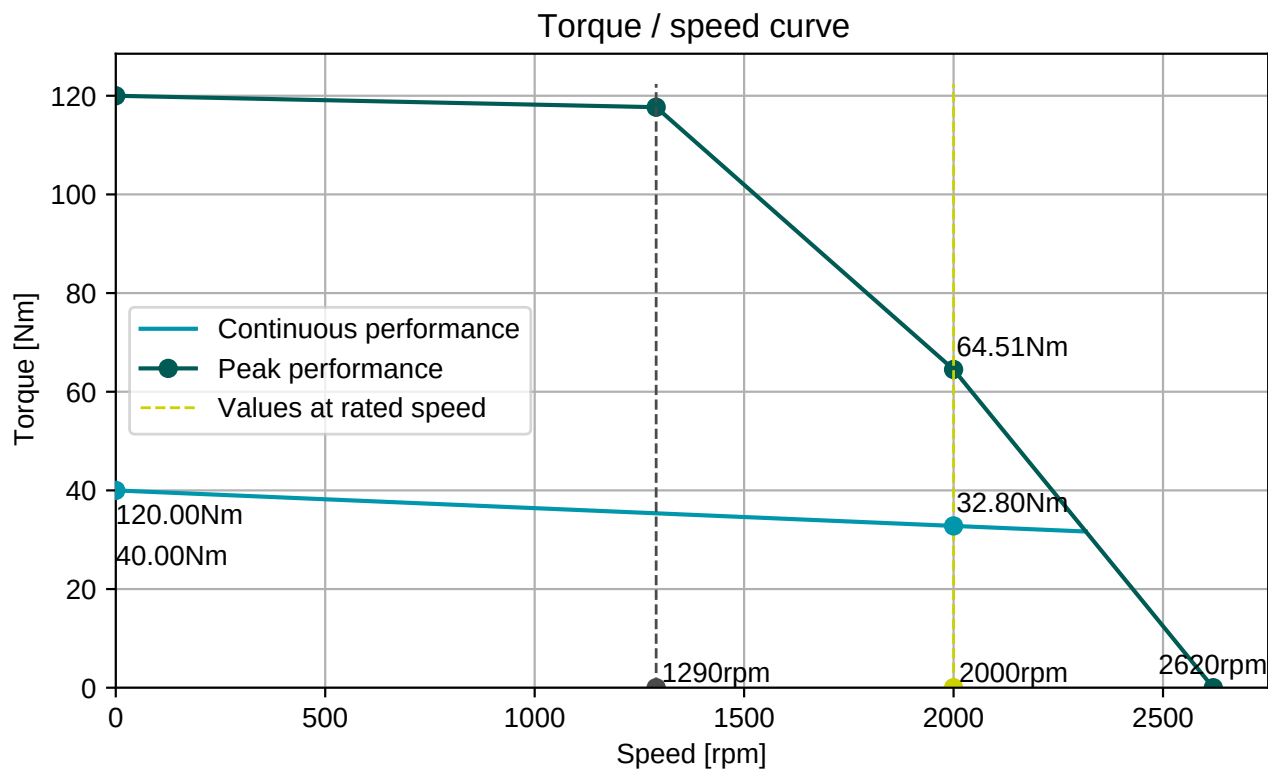


| Engineering data (WIN 879)        |                             | Mechanical data (setting 48)                           |                                              |
|-----------------------------------|-----------------------------|--------------------------------------------------------|----------------------------------------------|
| DC bus voltage                    | 560 V DC                    | Max mechanical speed                                   | 6000 rpm                                     |
| Nominal AC voltage                | 380 V AC (rms)              | Mech. time constant                                    | 0.89 ms                                      |
| Rated voltage                     | 311 V AC (rms)              | Thermal time constant                                  | 90 min                                       |
| Rated power                       | 6.9 kW                      | Rotor inertia                                          | 69 kgcm <sup>2</sup>                         |
| Rated speed                       | 2000 rpm                    | Protection                                             | IP64                                         |
| Rated torque                      | 32.80 Nm                    | Color                                                  | RAL 9005                                     |
| Rated current                     | 15.38 A (rms)               | Cooling                                                | Convection                                   |
| Peak torque                       | 120 Nm                      | Motor-only mass                                        | 23.2 kg                                      |
| Peak current                      | 59.1 A (rms)                | Max. axial force 20kh                                  | 301 N                                        |
| Stall torque                      | 40 Nm                       | Max. radial force 20kh                                 | 1585 N*                                      |
| Stall current                     | 16.7 A (rms)                | Max. axial force 100kh                                 | 176 N                                        |
| No load speed                     | 2620 rpm                    | Max. radial force 100kh                                | 927 N*                                       |
| EMF constant ±10%                 | 145 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                              |
| Theoretical torque constant ±10%  | 2.4 Nm / A (rms)            | Sensors                                                |                                              |
| Torque constant ±10% @ rated load | 2.1 Nm / A (rms)            | Temperature                                            | PT1000 {PT1000}                              |
| Number of poles                   | 10                          | Feedback                                               | EKM36 (HDSL) multi-turn,<br>18+12 bits, SIL2 |
| Electrical time constant          | 18.14 ms                    | Brake                                                  |                                              |
| Winding terminal resistance       | 0.43 Ω                      | Braking torque                                         | 36.00 Nm                                     |
| Rotary field terminal inductance  | 7.8 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)**

|          |          |
|----------|----------|
| <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+ |

