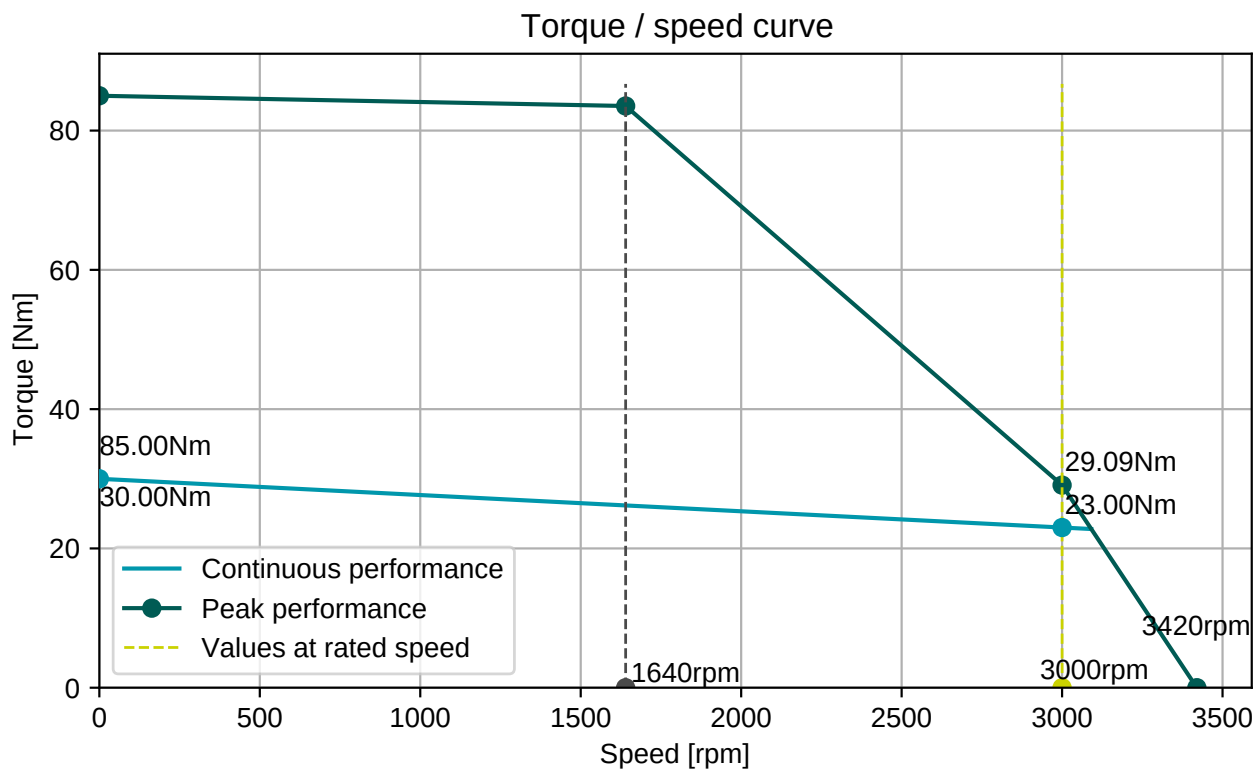


| Engineering data (WIN 861)        |                             | Mechanical data (setting 48)                           |                                         |
|-----------------------------------|-----------------------------|--------------------------------------------------------|-----------------------------------------|
| DC bus voltage                    | 560 V DC                    | Max mechanical speed                                   | 6000 rpm                                |
| Nominal AC voltage                | 380 V AC (rms)              | Mech. time constant                                    | 1.04 ms                                 |
| Rated voltage                     | 333 V AC (rms)              | Thermal time constant                                  | 80 min                                  |
| Rated power                       | 7.2 kW                      | Rotor inertia                                          | 49.5 kgcm <sup>2</sup>                  |
| Rated speed                       | 3000 rpm                    | Protection                                             | IP64                                    |
| Rated torque                      | 23.00 Nm                    | Color                                                  | RAL 9005                                |
| Rated current                     | 15.52 A (rms)               | Cooling                                                | Convection                              |
| Peak torque                       | 85 Nm                       | Motor-only mass                                        | 18.5 kg                                 |
| Peak current                      | 57.7 A (rms)                | Max. axial force 20kh                                  | 255 N                                   |
| Stall torque                      | 30 Nm                       | Max. radial force 20kh                                 | 1342 N*                                 |
| Stall current                     | 16.3 A (rms)                | Max. axial force 100kh                                 | 149 N                                   |
| No load speed                     | 3420 rpm                    | Max. radial force 100kh                                | 785 N*                                  |
| EMF constant ±10%                 | 111 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                         |
| Theoretical torque constant ±10%  | 1.84 Nm / A<br>(rms)        |                                                        |                                         |
| Torque constant ±10% @ rated load | 1.48 Nm / A<br>(rms)        |                                                        |                                         |
| Number of poles                   | 10                          | Sensors                                                |                                         |
| Electrical time constant          | 15.61 ms                    | Temperature                                            | PT1000 {PT1000}                         |
| Winding terminal resistance       | 0.41 Ω                      | Feedback                                               | EKS36 (HDSL) single-turn, 18 bits, SIL2 |
| Rotary field terminal inductance  | 6.4 mH                      | Brake                                                  |                                         |
| Customs info                      |                             | Braking torque                                         | 36.00 Nm                                |
| HS Code                           | 85015220                    | Voltage                                                | 24 V DC                                 |
|                                   |                             | Power @20°C                                            | 26.0 W                                  |
|                                   |                             | 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+ |

