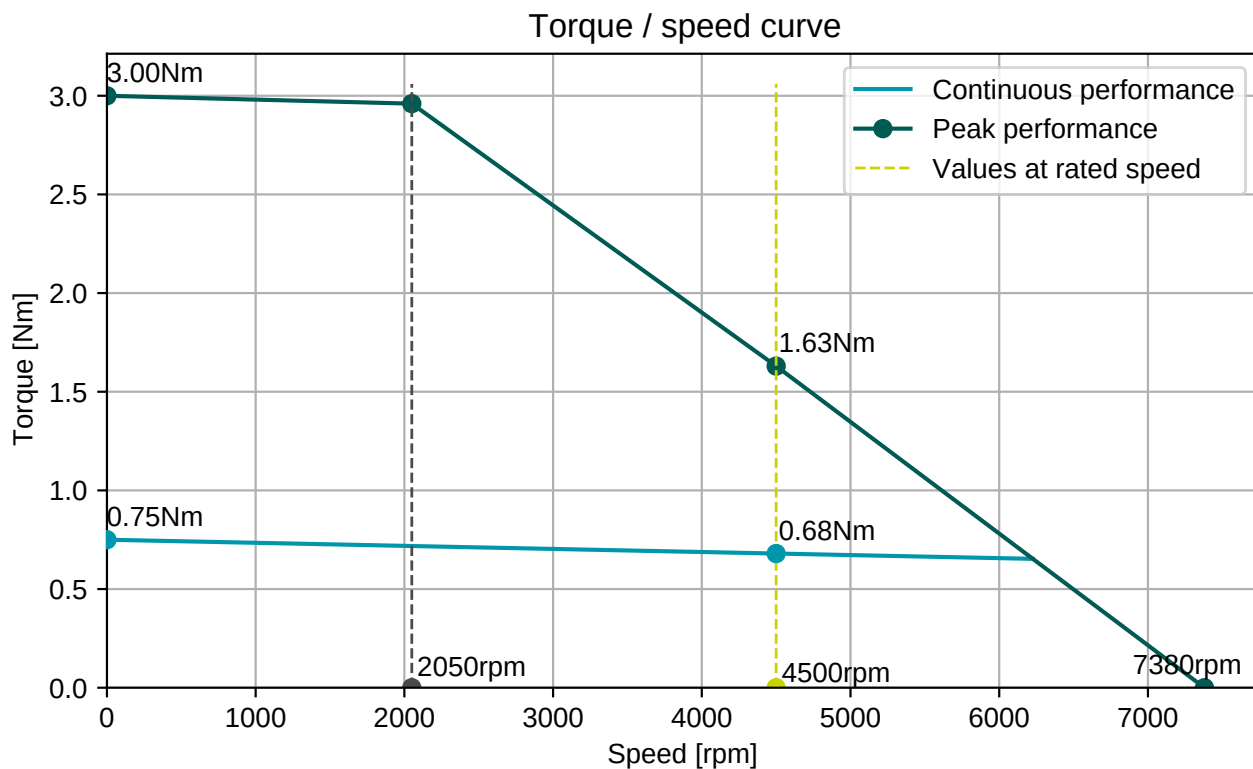


| Engineering data (WIN 792)        |                              | Mechanical data (setting 48)                                  |                                         |
|-----------------------------------|------------------------------|---------------------------------------------------------------|-----------------------------------------|
| DC bus voltage                    | 320 V DC                     | Max mechanical speed                                          | 12000 rpm                               |
| Nominal AC voltage                | 220 V AC (rms)               | Mech. time constant                                           | 1.11 ms                                 |
| Rated voltage                     | 167 V AC (rms)               | Thermal time constant                                         | 12 min                                  |
| Rated power                       | 320 W                        | Rotor inertia                                                 | 0.09 kgcm <sup>2</sup>                  |
| Rated speed                       | 4500 rpm                     | Protection                                                    | IP64                                    |
| Rated torque                      | 0.68 Nm                      | Color                                                         | RAL 9005                                |
| Rated current                     | 1.48 A (rms)                 | Cooling                                                       | Convection                              |
| Peak torque                       | 3 Nm                         | Motor-only mass                                               | 1.15 kg                                 |
| Peak current                      | 7.1 A (rms)                  | Max. axial force 20kh                                         | 49 N                                    |
| Stall torque                      | 0.75 Nm                      | Max. radial force 20kh                                        | 260 N*                                  |
| Stall current                     | 1.54 A (rms)                 | Max. axial force 100kh                                        | 29 N                                    |
| No load speed                     | 7380 rpm                     | Max. radial force 100kh                                       | 152 N*                                  |
| EMF constant ±10%                 | 29.5 V AC (rms)<br>/ 1000rpm | <i>* Defined for point of action at ½ output shaft length</i> |                                         |
| Theoretical torque constant ±10%  | 0.49 Nm / A<br>(rms)         | Sensors                                                       |                                         |
| Torque constant ±10% @ rated load | 0.46 Nm / A<br>(rms)         | Temperature                                                   | PT1000 {PT1000}                         |
| Number of poles                   | 6                            | Feedback                                                      | EKS36 (HDSL) single-turn, 18 bits, SIL2 |
| Electrical time constant          | 1.34 ms                      | Brake                                                         |                                         |
| Winding terminal resistance       | 16.96 Ω                      | Braking torque                                                | 2.00 Nm                                 |
| Rotary field terminal inductance  | 22.7 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+ |

