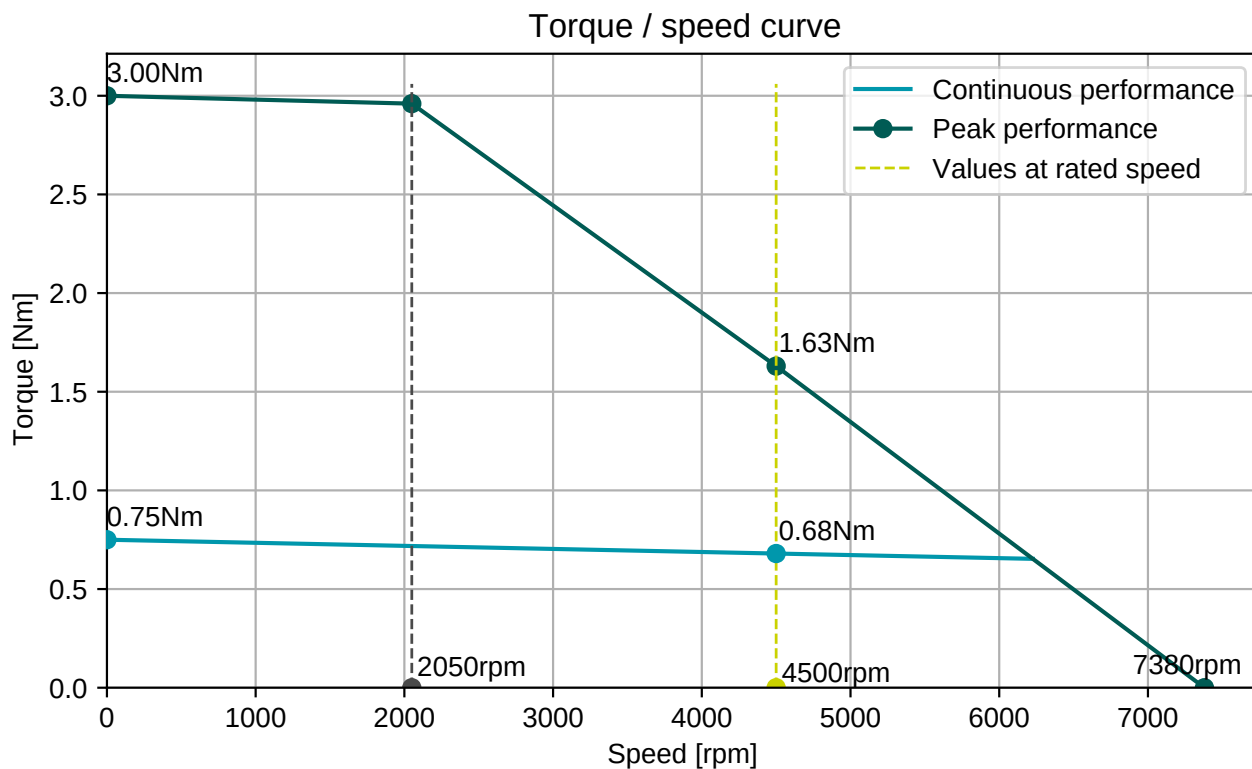


| Engineering data (WIN 792)           |                              | Mechanical data (setting 48)                           |                                        |
|--------------------------------------|------------------------------|--------------------------------------------------------|----------------------------------------|
| 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                                        | 1.75 kg                                |
| Peak current                         | 7.1 A (rms)                  | Max. axial force 20kh                                  | 43 N                                   |
| Stall torque                         | 0.75 Nm                      | Max. radial force 20kh                                 | 227 N*                                 |
| Stall current                        | 1.54 A (rms)                 | Max. axial force 100kh                                 | 25 N                                   |
| No load speed                        | 7380 rpm                     | Max. radial force 100kh                                | 133 N*                                 |
| EMF constant ±10%                    | 29.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                        |
| Theoretical torque constant ±10%     | 0.49 Nm / A<br>(rms)         |                                                        |                                        |
| Torque constant ±10%<br>@ rated load | 0.46 Nm / A<br>(rms)         |                                                        |                                        |
| Number of poles                      | 6                            | Sensors                                                |                                        |
| Electrical time constant             | 1.34 ms                      | Temperature                                            | PT1000 {PT1000}                        |
| Winding terminal resistance          | 16.96 Ω                      | Feedback                                               | EEM37 (HDSL) multi-turn,<br>17+12 bits |
| Rotary field terminal inductance     | 22.7 mH                      | Brake                                                  |                                        |
| Customs info                         |                              | Braking torque                                         | 2.00 Nm                                |
| HS Code                              | 85015100                     | Voltage                                                | 24 V DC                                |
|                                      |                              | Power @20°C                                            | 11.0 W                                 |
|                                      |                              | 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+ |

