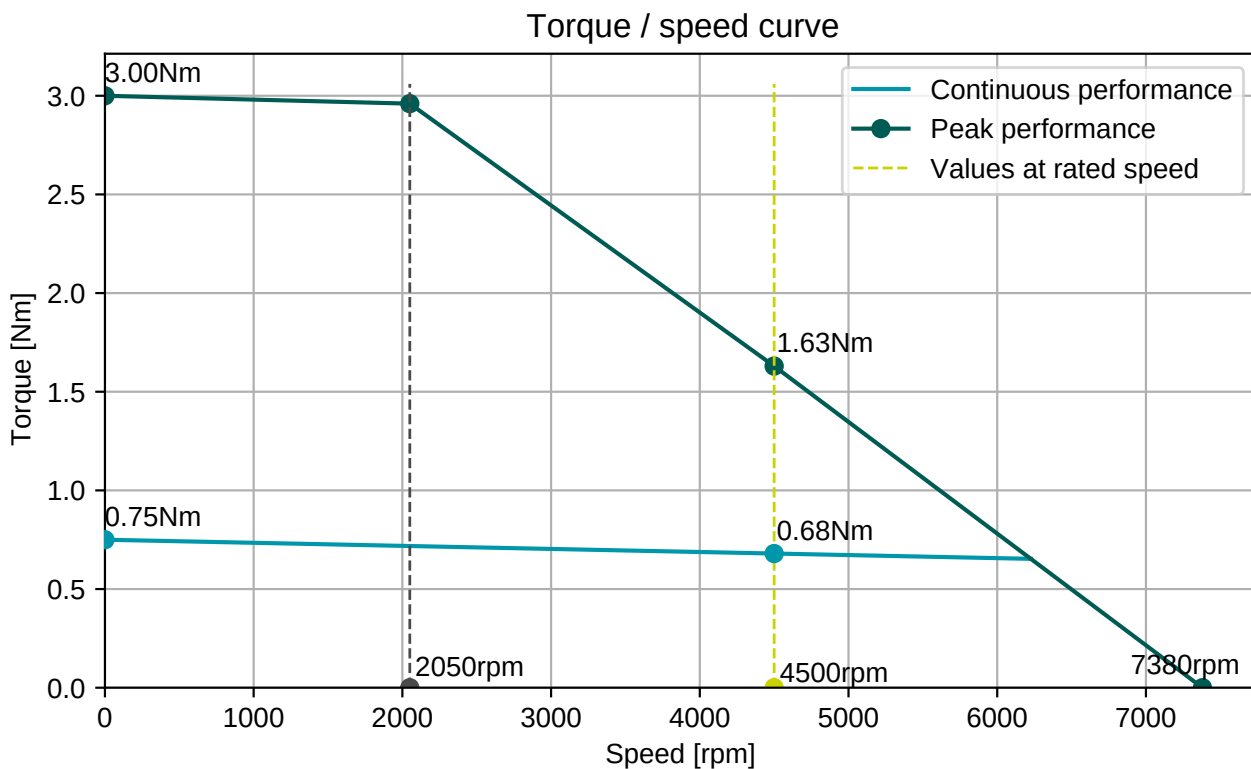


| Engineering data (WIN 792)        |                              | Mechanical data (setting 48)                                                                        |                        |
|-----------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|
| 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                                                                                     | 1.35 kg                |
| Peak current                      | 7.1 A (rms)                  | Max. axial force 20kh                                                                               | 41 N                   |
| Stall torque                      | 0.75 Nm                      | Max. radial force 20kh                                                                              | 215 N*                 |
| Stall current                     | 1.54 A (rms)                 | Max. axial force 100kh                                                                              | 24 N                   |
| No load speed                     | 7380 rpm                     | Max. radial force 100kh                                                                             | 126 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 (rms)            |                                                                                                     |                        |
| Torque constant ±10% @ rated load | 0.46 Nm / A (rms)            | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKM36 (HDSL) multi-turn, 18+12 bits, SIL2 |                        |
| Number of poles                   | 6                            |                                                                                                     |                        |
| Electrical time constant          | 1.34 ms                      |                                                                                                     |                        |
| Winding terminal resistance       | 16.96 Ω                      |                                                                                                     |                        |
| Rotary field terminal inductance  | 22.7 mH                      |                                                                                                     |                        |
| Customs info                      |                              |                                                                                                     |                        |
| HS Code                           | 85015100                     |                                                                                                     |                        |



**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+ |

