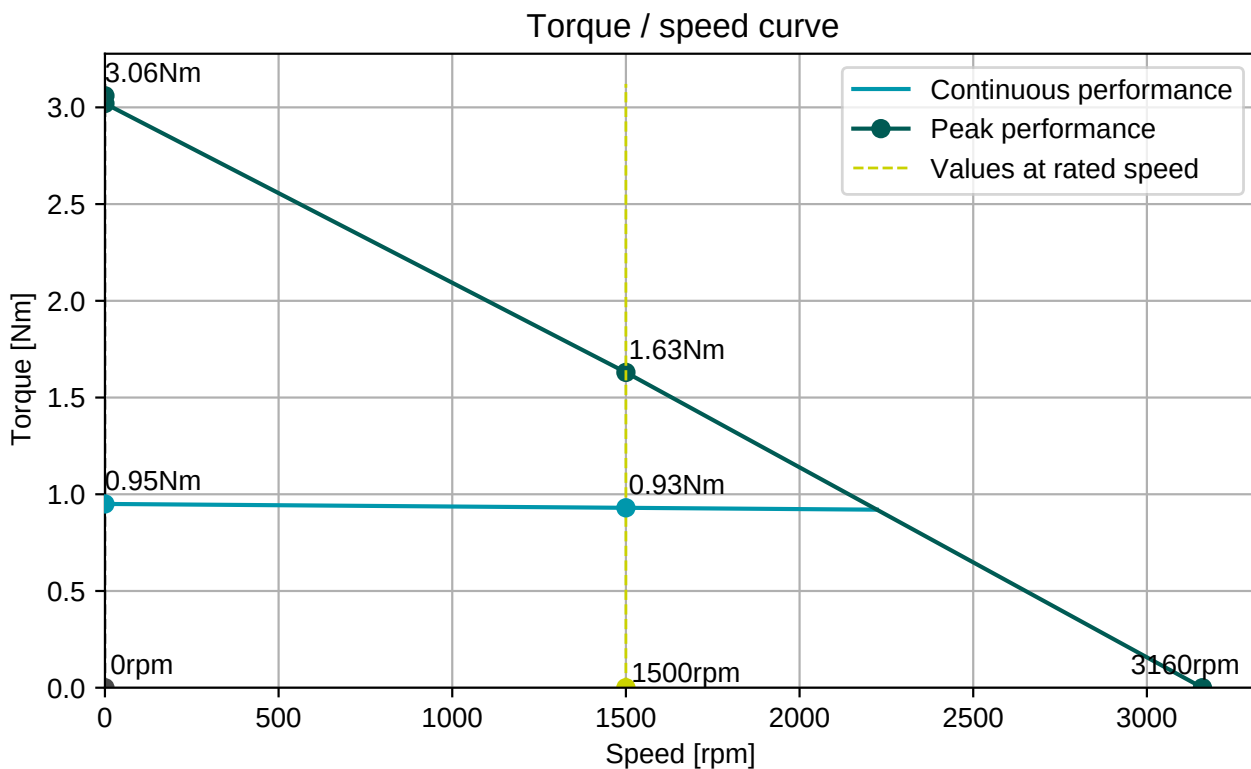


| Engineering data (WIN 769)           |                             | Mechanical data (setting 48)                                                                |                        |
|--------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 36 V DC                     | Max mechanical speed                                                                        | 12000 rpm              |
| Nominal AC voltage                   | 25 V AC (rms)               | Mech. time constant                                                                         | 1.00 ms                |
| Rated voltage                        | 19 V AC (rms)               | Thermal time constant                                                                       | 18 min                 |
| Rated power                          | 146 W                       | Rotor inertia                                                                               | 0.11 kgcm <sup>2</sup> |
| Rated speed                          | 1500 rpm                    | Protection                                                                                  | IP64                   |
| Rated torque                         | 0.93 Nm                     | Color                                                                                       | RAL 9005               |
| Rated current                        | 7.45 A (rms)                | Cooling                                                                                     | Convection             |
| Peak torque                          | 3.06 Nm                     | Motor-only mass                                                                             | 1.7 kg                 |
| Peak current                         | 25.3 A (rms)                | Max. axial force 20kh                                                                       | 61 N                   |
| Stall torque                         | 0.95 Nm                     | Max. radial force 20kh                                                                      | 320 N*                 |
| Stall current                        | 7.3 A (rms)                 | Max. axial force 100kh                                                                      | 36 N                   |
| No load speed                        | 3160 rpm                    | Max. radial force 100kh                                                                     | 187 N*                 |
| EMF constant ±10%                    | 7.8 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                      |                        |
| Theoretical torque constant ±10%     | 0.13 Nm / A<br>(rms)        |                                                                                             |                        |
| Torque constant ±10%<br>@ rated load | 0.12 Nm / A<br>(rms)        | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKS36 (HDSL) single-turn, 17 bits |                        |
| Number of poles                      | 6                           |                                                                                             |                        |
| Electrical time constant             | 1.36 ms                     |                                                                                             |                        |
| Winding terminal resistance          | 0.87 Ω                      |                                                                                             |                        |
| Rotary field terminal inductance     | 1.18 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+ |

