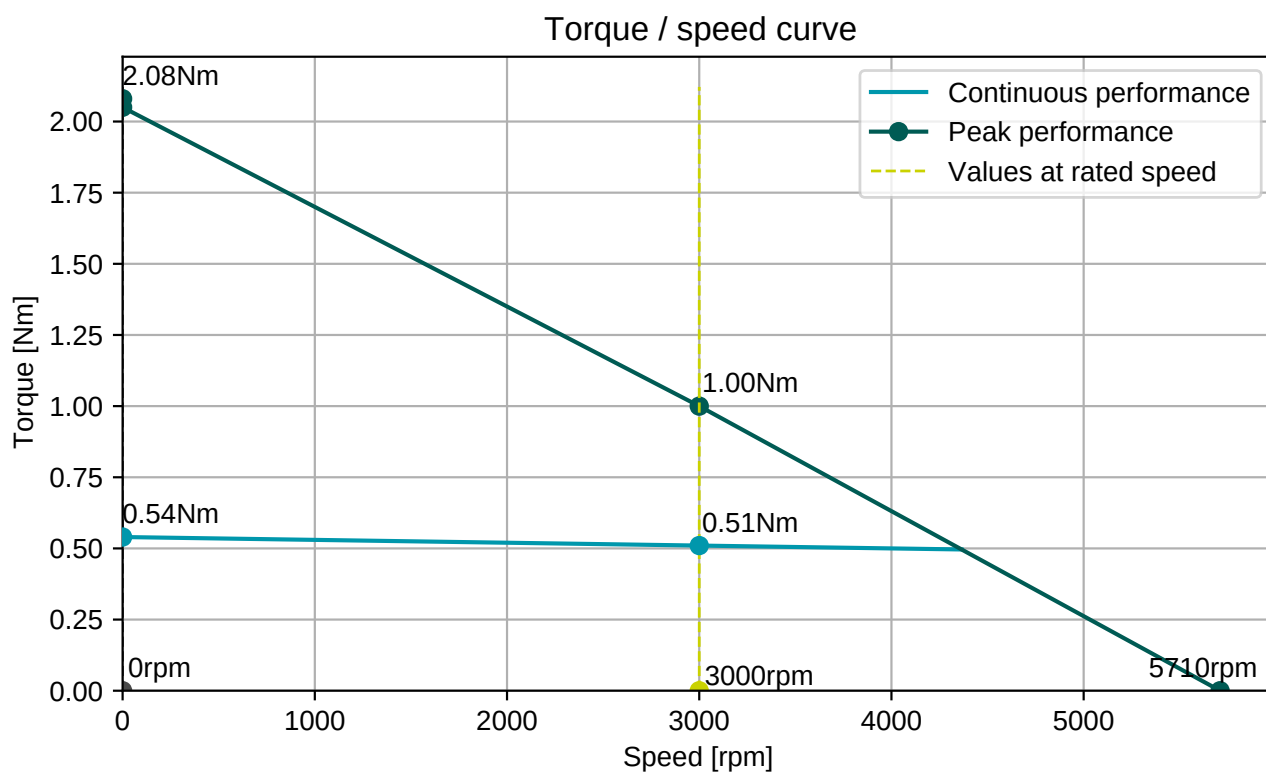


| Engineering data (WIN 777)           |                             | Mechanical data (setting 5)                                                                                         |                        |
|--------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 36 V DC                     | Max mechanical speed                                                                                                | 12000 rpm              |
| Nominal AC voltage                   | 25 V AC (rms)               | Mech. time constant                                                                                                 | 1.49 ms                |
| Rated voltage                        | 19 V AC (rms)               | Thermal time constant                                                                                               | 12 min                 |
| Rated power                          | 160 W                       | Rotor inertia                                                                                                       | 0.07 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                    | Protection                                                                                                          | IP64                   |
| Rated torque                         | 0.51 Nm                     | Color                                                                                                               | RAL 9005               |
| Rated current                        | 7.65 A (rms)                | Cooling                                                                                                             | Convection             |
| Peak torque                          | 2.08 Nm                     | Motor-only mass                                                                                                     | 0.93 kg                |
| Peak current                         | 33.2 A (rms)                | Max. axial force 20kh                                                                                               | 45 N                   |
| Stall torque                         | 0.54 Nm                     | Max. radial force 20kh                                                                                              | 234 N*                 |
| Stall current                        | 7.6 A (rms)                 | Max. axial force 100kh                                                                                              | 26 N                   |
| No load speed                        | 5710 rpm                    | Max. radial force 100kh                                                                                             | 137 N*                 |
| EMF constant ±10%                    | 4.3 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                                              |                        |
| Theoretical torque constant ±10%     | 0.07 Nm / A<br>(rms)        |                                                                                                                     |                        |
| Torque constant ±10%<br>@ rated load | 0.07 Nm / A<br>(rms)        | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback 2-pole resolver ( ER5Kd411,<br>TS2620N21E11, RE-15-1-A15) |                        |
| Number of poles                      | 6                           |                                                                                                                     |                        |
| Electrical time constant             | 1.23 ms                     |                                                                                                                     |                        |
| Winding terminal resistance          | 0.62 Ω                      |                                                                                                                     |                        |
| Rotary field terminal inductance     | 0.76 mH                     |                                                                                                                     |                        |
| Customs info                         |                             |                                                                                                                     |                        |
| HS Code                              | 85015100                    |                                                                                                                     |                        |



**BGC110N00001216000**

M23, 8 poles, rotary



**AGC052N00001215000**

M23, 12 poles, rotary



#### Connector 1 (9)

|   |        |
|---|--------|
| 1 | U      |
| 4 | V      |
| 3 | W      |
| 2 | PE     |
| A | Brake+ |
| B | Brake- |
| C |        |
| D |        |

#### Connector 2 (10)

|   |        |
|---|--------|
| 2 | Therm+ |
| 3 | S4     |
| 4 | S3     |
| 5 | R2     |
| 6 | Therm- |
| 7 | S2     |
| 8 | S1     |
| 9 | R1     |

