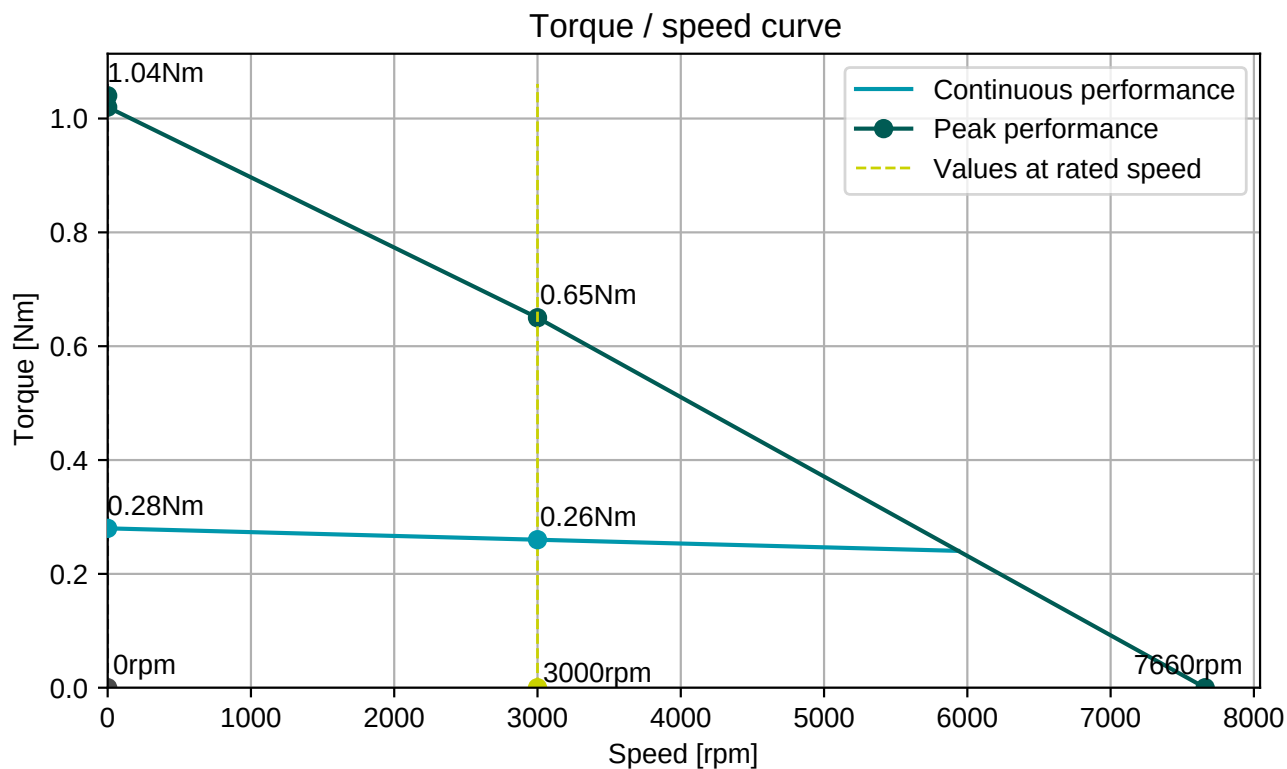


| Engineering data (WIN 740)           |                             | Mechanical data (setting 5)                            |                                                           |
|--------------------------------------|-----------------------------|--------------------------------------------------------|-----------------------------------------------------------|
| DC bus voltage                       | 24 V DC                     | Max mechanical speed                                   | 12000 rpm                                                 |
| Nominal AC voltage                   | 17 V AC (rms)               | Mech. time constant                                    | 2.81 ms                                                   |
| Rated voltage                        | 11 V AC (rms)               | Thermal time constant                                  | 10 min                                                    |
| Rated power                          | 82 W                        | Rotor inertia                                          | 0.05 kgcm <sup>2</sup>                                    |
| Rated speed                          | 3000 rpm                    | Protection                                             | IP64                                                      |
| Rated torque                         | 0.26 Nm                     | Color                                                  | RAL 9005                                                  |
| Rated current                        | 8.04 A (rms)                | Cooling                                                | Convection                                                |
| Peak torque                          | 1.04 Nm                     | Motor-only mass                                        | 1.2 kg                                                    |
| Peak current                         | 32.9 A (rms)                | Max. axial force 20kh                                  | 47 N                                                      |
| Stall torque                         | 0.28 Nm                     | Max. radial force 20kh                                 | 247 N*                                                    |
| Stall current                        | 7.9 A (rms)                 | Max. axial force 100kh                                 | 27 N                                                      |
| No load speed                        | 7660 rpm                    | Max. radial force 100kh                                | 145 N*                                                    |
| EMF constant ±10%                    | 2.2 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                                           |
| Theoretical torque constant ±10%     | 0.04 Nm / A<br>(rms)        | Sensors                                                |                                                           |
| Torque constant ±10%<br>@ rated load | 0.03 Nm / A<br>(rms)        | Temperature                                            | PT1000 {PT1000}                                           |
| Number of poles                      | 6                           | Feedback                                               | 2-pole resolver ( ER5Kd411,<br>TS2620N21E11, RE-15-1-A15) |
| Electrical time constant             | 0.98 ms                     | Brake                                                  |                                                           |
| Winding terminal resistance          | 0.43 Ω                      | Braking torque                                         | 2.00 Nm                                                   |
| Rotary field terminal inductance     | 0.42 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



**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     |

