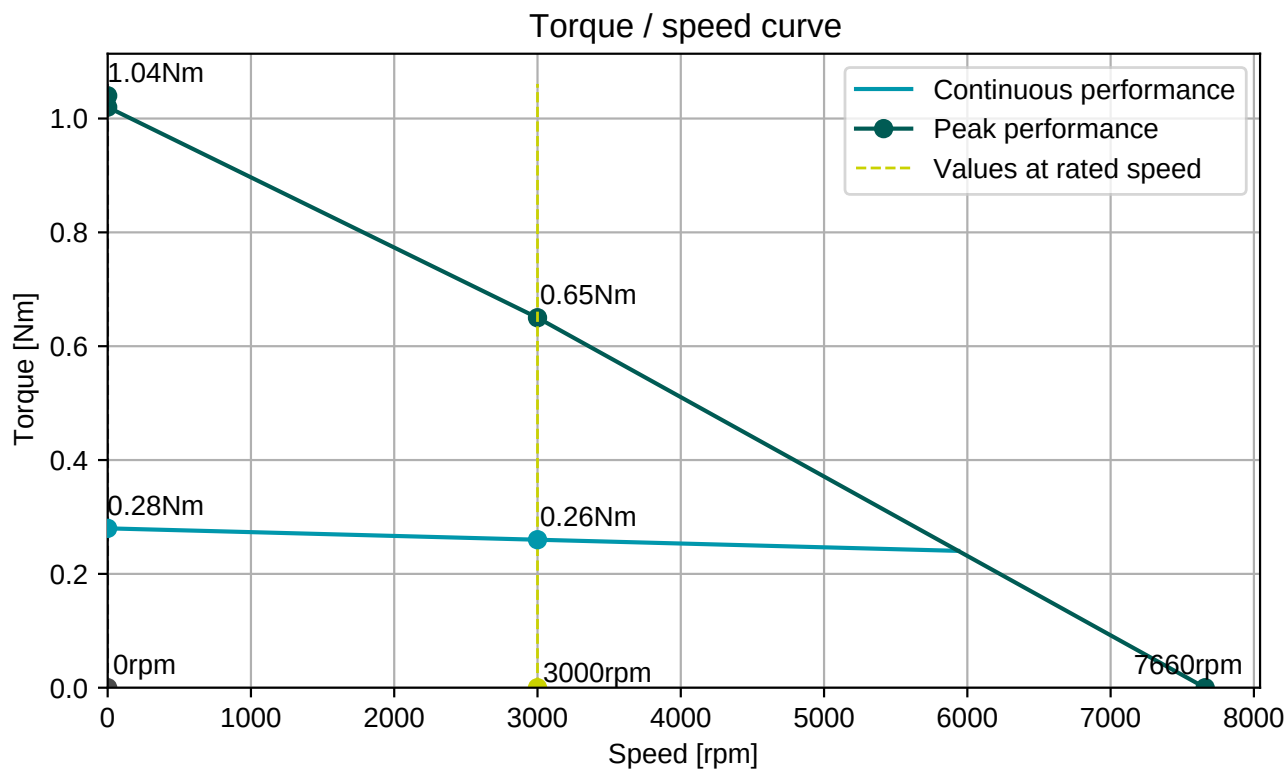


| Engineering data (WIN 740)        |                             | Mechanical data (setting 49)                           |                                               |
|-----------------------------------|-----------------------------|--------------------------------------------------------|-----------------------------------------------|
| 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% @ rated load | 0.03 Nm / A<br>(rms)        | Temperature                                            | PT1000 {PT1000}                               |
| Number of poles                   | 6                           | Feedback                                               | SKS36 (Hiperface) single-turn,<br>128 sin/cos |
| 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


**AGC113N00001215000**

M23, 17 poles, rotary


**Connector 1 (9)**

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

**Connector 2 (130)**

|      |            |
|------|------------|
| 1/9  | SIN/REFSIN |
| 3/11 | COS/REFCOS |
| 5/13 | DATA/DATA- |
| 4/2  | Us/GND     |
| 14/7 | Therm      |

