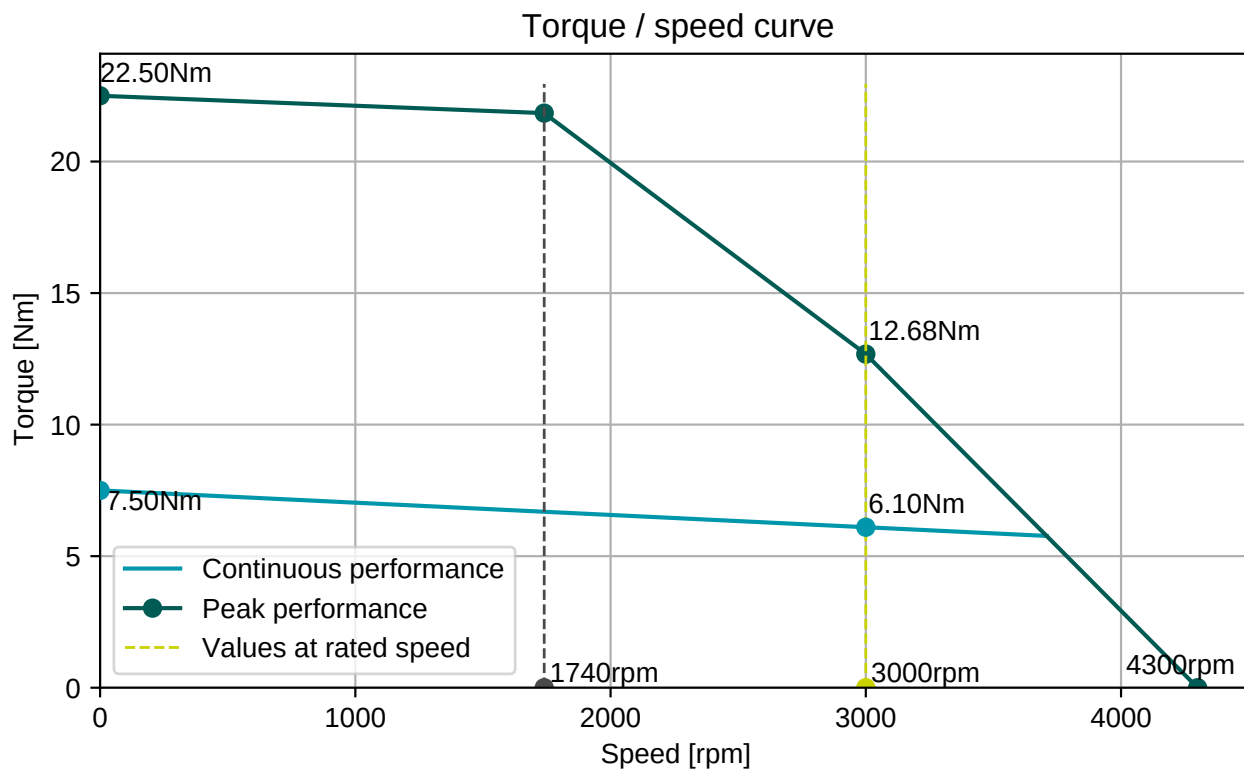


| Engineering data (WIN 710)        |                            | Mechanical data (setting 5)                            |                                                        |
|-----------------------------------|----------------------------|--------------------------------------------------------|--------------------------------------------------------|
| DC bus voltage                    | 320 V DC                   | Max mechanical speed                                   | 9000 rpm                                               |
| Nominal AC voltage                | 220 V AC (rms)             | Mech. time constant                                    | 0.60 ms                                                |
| Rated voltage                     | 162 V AC (rms)             | Thermal time constant                                  | 30 min                                                 |
| Rated power                       | 1.9 kW                     | Rotor inertia                                          | 3.26 kgcm <sup>2</sup>                                 |
| Rated speed                       | 3000 rpm                   | Protection                                             | IP64                                                   |
| Rated torque                      | 6.10 Nm                    | Color                                                  | RAL 9005                                               |
| Rated current                     | 8.77 A (rms)               | Cooling                                                | Convection                                             |
| Peak torque                       | 22.5 Nm                    | Motor-only mass                                        | 5.1 kg                                                 |
| Peak current                      | 40.7 A (rms)               | Max. axial force 20kh                                  | 125 N                                                  |
| Stall torque                      | 7.5 Nm                     | Max. radial force 20kh                                 | 660 N*                                                 |
| Stall current                     | 8.9 A (rms)                | Max. axial force 100kh                                 | 73 N                                                   |
| No load speed                     | 4300 rpm                   | Max. radial force 100kh                                | 386 N*                                                 |
| EMF constant ±10%                 | 51 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                                        |
| Theoretical torque constant ±10%  | 0.84 Nm / A<br>(rms)       | Sensors                                                |                                                        |
| Torque constant ±10% @ rated load | 0.70 Nm / A<br>(rms)       | Temperature                                            | PT1000 {PT1000}                                        |
| Number of poles                   | 10                         | Feedback                                               | 2-pole resolver ( ER5Kd411, TS2620N21E11, RE-15-1-A15) |
| Electrical time constant          | 6.32 ms                    | Brake                                                  |                                                        |
| Winding terminal resistance       | 0.76 Ω                     | Braking torque                                         | 9.00 Nm                                                |
| Rotary field terminal inductance  | 4.8 mH                     | Voltage                                                | 24 V DC                                                |
| Customs info                      |                            | Power @20°C                                            | 18.0 W                                                 |
| HS Code                           | 85015220                   | Current @20°C                                          | 0.75 A                                                 |
|                                   |                            | Inertia                                                | 0.60 kgcm <sup>2</sup>                                 |
|                                   |                            | Mass                                                   | 0.82 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     |

