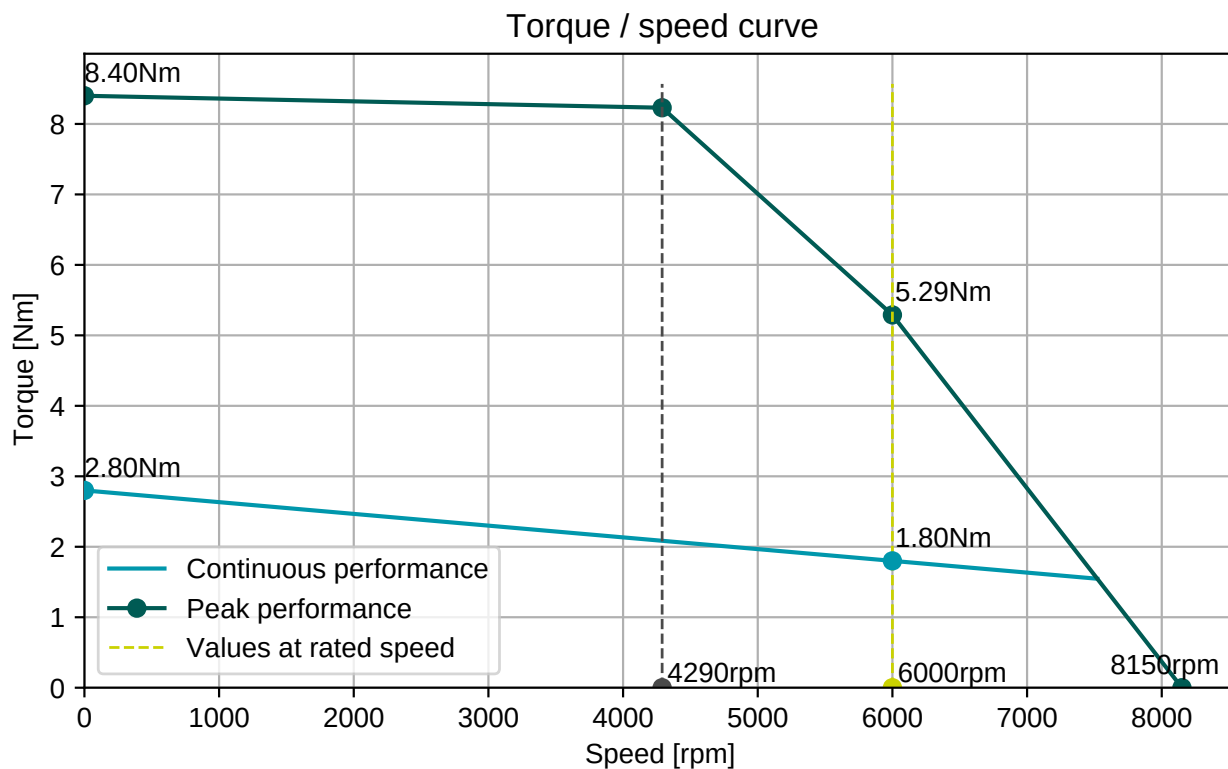


| Engineering data (WIN 1630)          |                              | Mechanical data (setting 5)                            |                                                           |
|--------------------------------------|------------------------------|--------------------------------------------------------|-----------------------------------------------------------|
| DC bus voltage                       | 560 V DC                     | Max mechanical speed                                   | 12000 rpm                                                 |
| Nominal AC voltage                   | 380 V AC (rms)               | Mech. time constant                                    | 0.82 ms                                                   |
| Rated voltage                        | 279 V AC (rms)               | Thermal time constant                                  | 25 min                                                    |
| Rated power                          | 1.1 kW                       | Rotor inertia                                          | 0.8 kgcm <sup>2</sup>                                     |
| Rated speed                          | 6000 rpm                     | Protection                                             | IP64                                                      |
| Rated torque                         | 1.80 Nm                      | Color                                                  | RAL 9005                                                  |
| Rated current                        | 2.79 A (rms)                 | Cooling                                                | Convection                                                |
| Peak torque                          | 8.4 Nm                       | Motor-only mass                                        | 3.1 kg                                                    |
| Peak current                         | 14.1 A (rms)                 | Max. axial force 20kh                                  | 54 N                                                      |
| Stall torque                         | 2.8 Nm                       | Max. radial force 20kh                                 | 286 N*                                                    |
| Stall current                        | 3.64 A (rms)                 | Max. axial force 100kh                                 | 32 N                                                      |
| No load speed                        | 8150 rpm                     | Max. radial force 100kh                                | 167 N*                                                    |
| EMF constant ±10%                    | 46.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                                           |
| Theoretical torque constant ±10%     | 0.769 Nm / A<br>(rms)        |                                                        |                                                           |
| Torque constant ±10%<br>@ rated load | 0.645 Nm / A<br>(rms)        |                                                        |                                                           |
| Number of poles                      | 10                           | Sensors                                                |                                                           |
| Electrical time constant             | 2.53 ms                      | Temperature                                            | PT1000 {PT1000}                                           |
| Winding terminal resistance          | 3.48 Ω                       | Feedback                                               | 2-pole resolver ( ER5Kd411,<br>TS2620N21E11, RE-15-1-A15) |
| Rotary field terminal inductance     | 8.8 mH                       | Brake                                                  |                                                           |
| Customs info                         |                              | Braking torque                                         | 4.50 Nm                                                   |
| HS Code                              | 85015220                     | Voltage                                                | 24 V DC                                                   |
|                                      |                              | Power @20°C                                            | 12.0 W                                                    |
|                                      |                              | Current @20°C                                          | 0.50 A                                                    |
|                                      |                              | Inertia                                                | 0.20 kgcm <sup>2</sup>                                    |
|                                      |                              | Mass                                                   | 0.47 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     |

