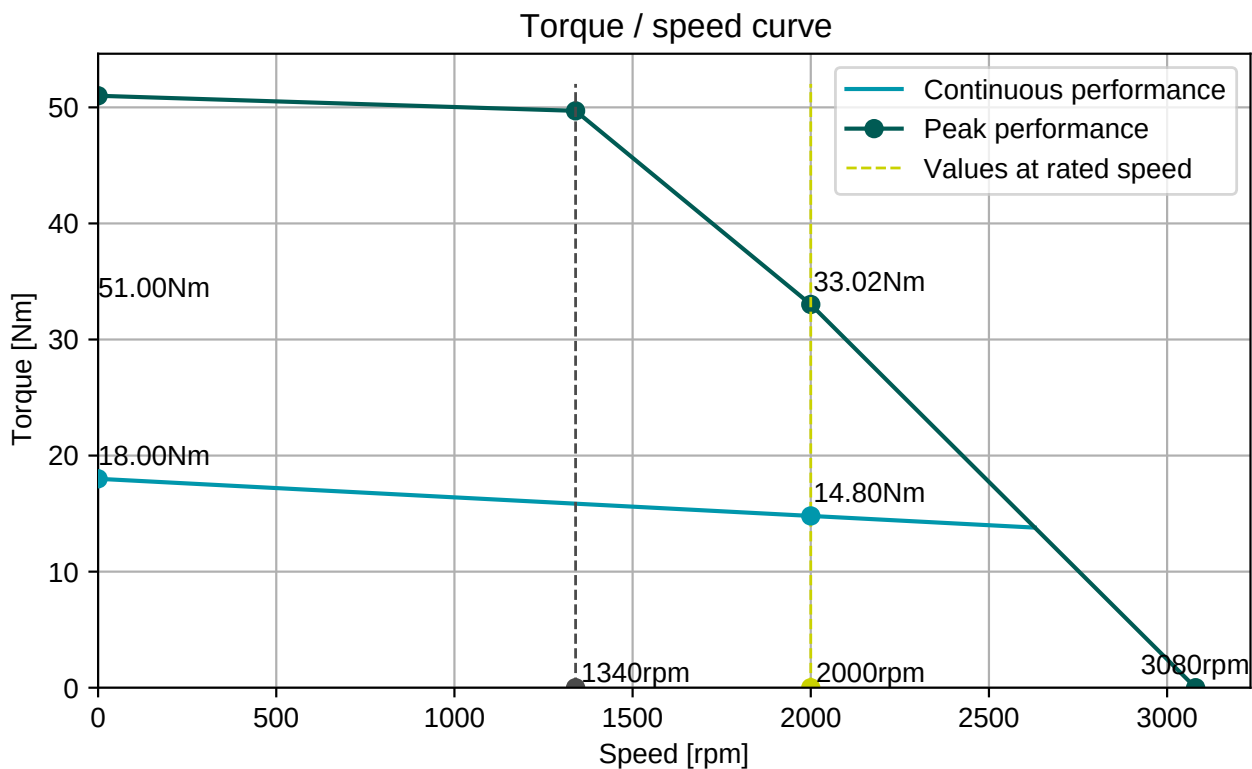


| Engineering data (WIN 976)        |                             | Mechanical data (setting 5)                                   |                                                        |
|-----------------------------------|-----------------------------|---------------------------------------------------------------|--------------------------------------------------------|
| DC bus voltage                    | 560 V DC                    | Max mechanical speed                                          | 6000 rpm                                               |
| Nominal AC voltage                | 380 V AC (rms)              | Mech. time constant                                           | 0.92 ms                                                |
| Rated voltage                     | 269 V AC (rms)              | Thermal time constant                                         | 42 min                                                 |
| Rated power                       | 3.1 kW                      | Rotor inertia                                                 | 18.5 kgcm <sup>2</sup>                                 |
| Rated speed                       | 2000 rpm                    | Protection                                                    | IP64                                                   |
| Rated torque                      | 14.80 Nm                    | Color                                                         | RAL 9005                                               |
| Rated current                     | 8.56 A (rms)                | Cooling                                                       | Convection                                             |
| Peak torque                       | 51 Nm                       | Max. axial force 20kh                                         | 139 N                                                  |
| Peak current                      | 32.9 A (rms)                | Max. radial force 20kh                                        | 729 N*                                                 |
| Stall torque                      | 18 Nm                       | Max. axial force 100kh                                        | 81 N                                                   |
| Stall current                     | 8.8 A (rms)                 | Max. radial force 100kh                                       | 427 N*                                                 |
| No load speed                     | 3080 rpm                    | <i>* Defined for point of action at ½ output shaft length</i> |                                                        |
| EMF constant ±10%                 | 123 V AC (rms)<br>/ 1000rpm | Sensors                                                       |                                                        |
| Theoretical torque constant ±10%  | 2.03 Nm / A (rms)           | Temperature                                                   | PTC 111-K13 {PTC 111-K13 Reissmann}                    |
| Torque constant ±10% @ rated load | 1.73 Nm / A (rms)           | Feedback                                                      | 2-pole resolver ( ER5Kd411, TS2620N21E11, RE-15-1-A15) |
| Number of poles                   | 10                          |                                                               |                                                        |
| Electrical time constant          | 11.51 ms                    |                                                               |                                                        |
| Winding terminal resistance       | 1.19 Ω                      |                                                               |                                                        |
| Rotary field terminal inductance  | 13.7 mH                     |                                                               |                                                        |
| Customs info                      |                             |                                                               |                                                        |
| HS Code                           | 85015220                    |                                                               |                                                        |



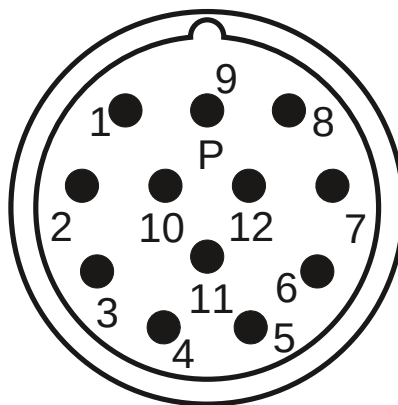
**BGC110N00001216000**

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     |

