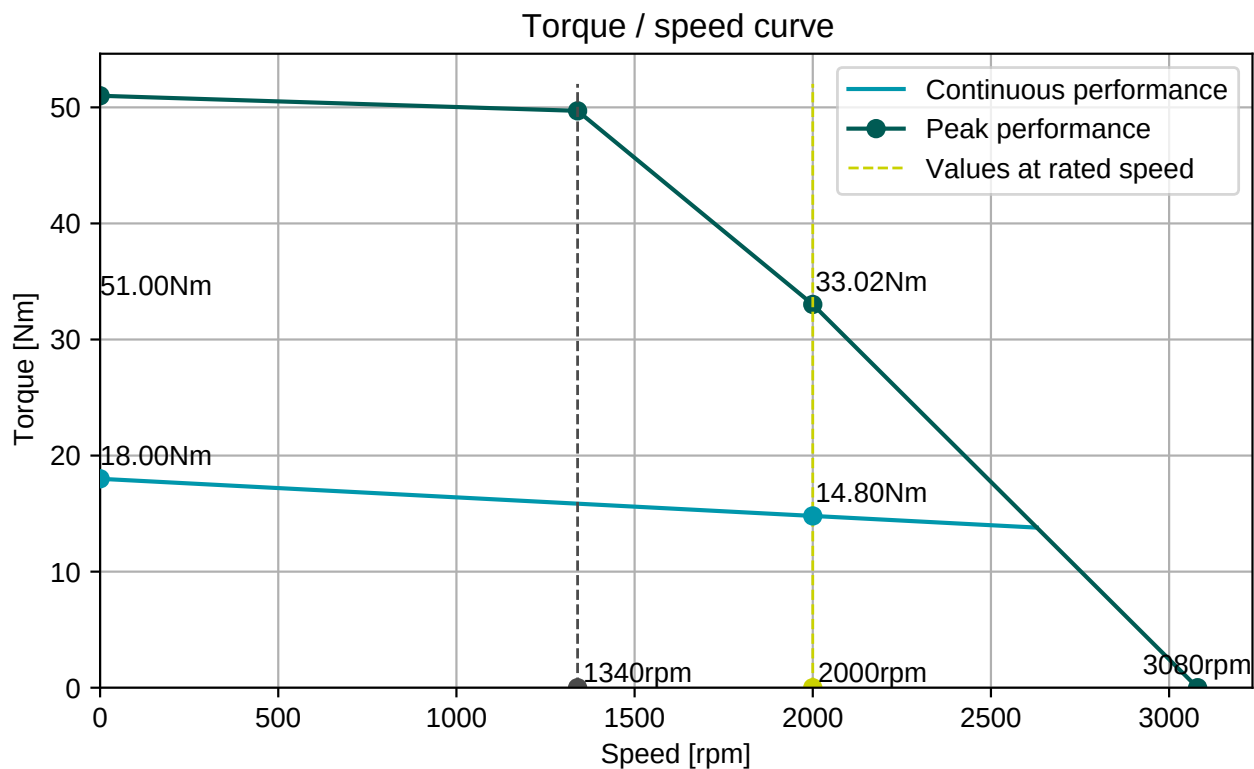


| Engineering data (WIN 976)        |                             | Mechanical data (setting 46)                           |                                                     |
|-----------------------------------|-----------------------------|--------------------------------------------------------|-----------------------------------------------------|
| 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                       | Motor-only mass                                        | 13.7 kg                                             |
| Peak current                      | 32.9 A (rms)                | Max. axial force 20kh                                  | 152 N                                               |
| Stall torque                      | 18 Nm                       | Max. radial force 20kh                                 | 800 N*                                              |
| Stall current                     | 8.8 A (rms)                 | Max. axial force 100kh                                 | 89 N                                                |
| No load speed                     | 3080 rpm                    | Max. radial force 100kh                                | 468 N*                                              |
| EMF constant ±10%                 | 123 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                                     |
| Theoretical torque constant ±10%  | 2.03 Nm / A<br>(rms)        | Sensors                                                |                                                     |
| Torque constant ±10% @ rated load | 1.73 Nm / A<br>(rms)        | Temperature                                            | PT1000 {PT1000}                                     |
| Number of poles                   | 10                          | Feedback                                               | SKM36 (Hiperface) multi-turn,<br>128 sin/cos+12bits |
| Electrical time constant          | 11.51 ms                    | Brake                                                  |                                                     |
| Winding terminal resistance       | 1.19 Ω                      | Braking torque                                         | 36.00 Nm                                            |
| Rotary field terminal inductance  | 13.7 mH                     | Voltage                                                | 24 V DC                                             |
| <b>Customs info</b>               |                             | Power @20°C                                            | 26.0 W                                              |
| HS Code                           | 85015220                    | Current @20°C                                          | 1.08 A                                              |
|                                   |                             | Inertia                                                | 6.20 kgcm <sup>2</sup>                              |
|                                   |                             | Mass                                                   | 2.85 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      |

