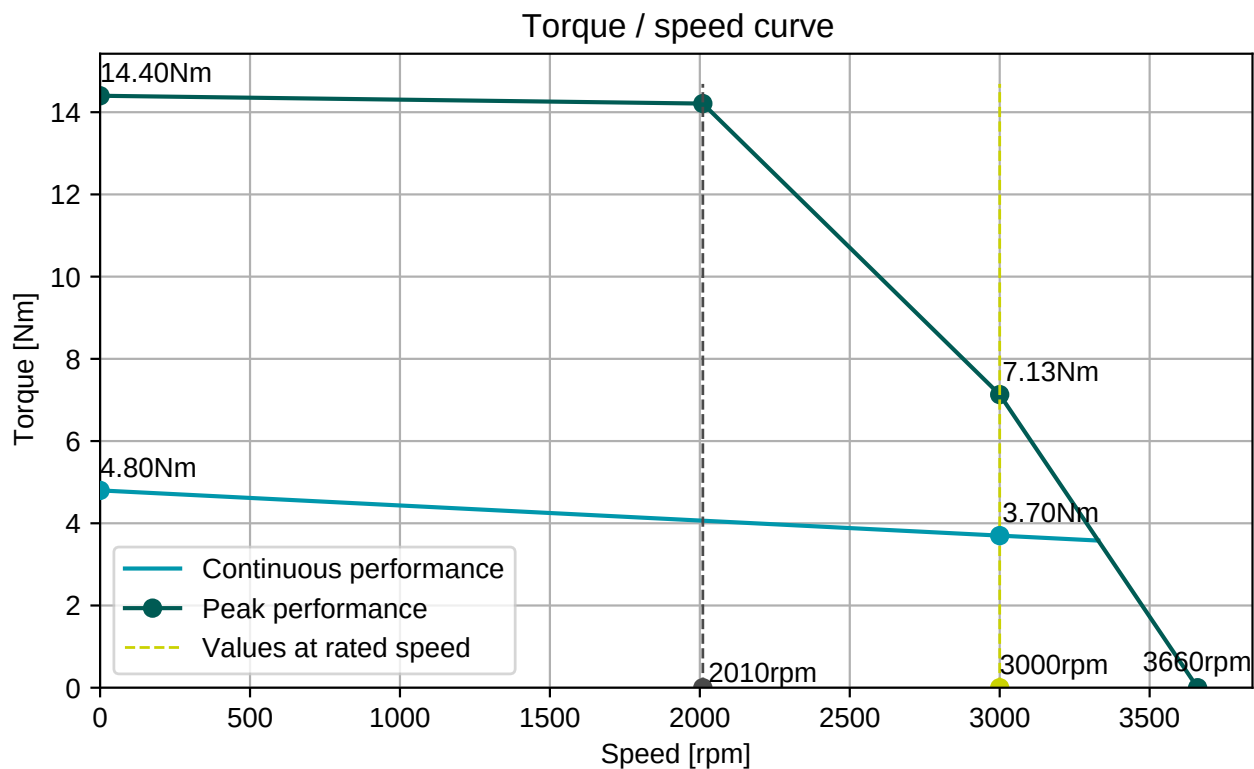


| Engineering data (WIN 807)           |                            | Mechanical data (setting 46)                                                                                  |                        |
|--------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 320 V DC                   | Max mechanical speed                                                                                          | 12000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)             | Mech. time constant                                                                                           | 0.67 ms                |
| Rated voltage                        | 180 V AC (rms)             | Thermal time constant                                                                                         | 30 min                 |
| Rated power                          | 1.2 kW                     | Rotor inertia                                                                                                 | 1.52 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                   | Protection                                                                                                    | IP64                   |
| Rated torque                         | 3.70 Nm                    | Color                                                                                                         | RAL 9005               |
| Rated current                        | 4.46 A (rms)               | Cooling                                                                                                       | Convection             |
| Peak torque                          | 14.4 Nm                    | Motor-only mass                                                                                               | 3.8 kg                 |
| Peak current                         | 17.3 A (rms)               | Max. axial force 20kh                                                                                         | 75 N                   |
| Stall torque                         | 4.8 Nm                     | Max. radial force 20kh                                                                                        | 392 N*                 |
| Stall current                        | 4.84 A (rms)               | Max. axial force 100kh                                                                                        | 44 N                   |
| No load speed                        | 3660 rpm                   | Max. radial force 100kh                                                                                       | 229 N*                 |
| EMF constant ±10%                    | 60 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                                        |                        |
| Theoretical torque constant ±10%     | 0.99 Nm / A<br>(rms)       |                                                                                                               |                        |
| Torque constant ±10%<br>@ rated load | 0.83 Nm / A<br>(rms)       | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback SKM36 (Hiperface) multi-turn,<br>128 sin/cos+12bits |                        |
| Number of poles                      | 10                         |                                                                                                               |                        |
| Electrical time constant             | 3.00 ms                    |                                                                                                               |                        |
| Winding terminal resistance          | 2.5 Ω                      |                                                                                                               |                        |
| Rotary field terminal inductance     | 7.5 mH                     |                                                                                                               |                        |
| Customs info                         |                            |                                                                                                               |                        |
| HS Code                              | 85015220                   |                                                                                                               |                        |


**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      |

