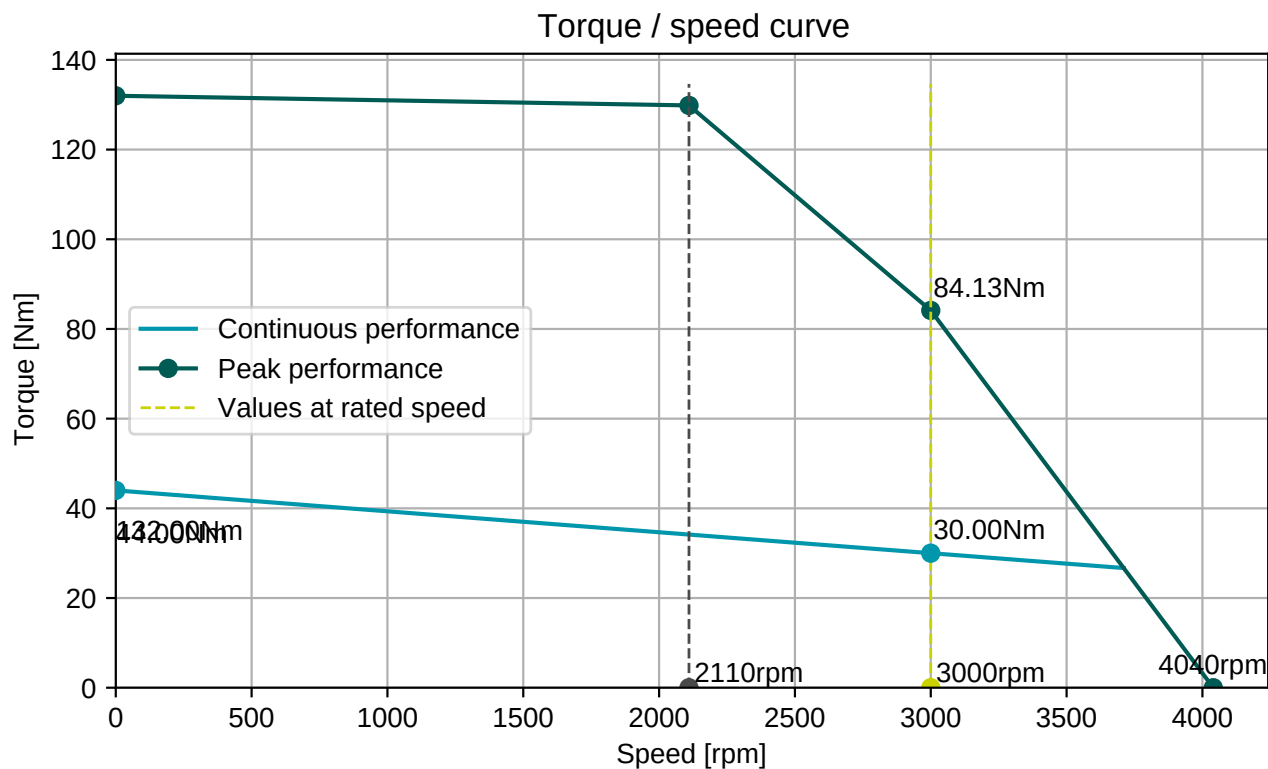


| Engineering data (WIN 933)        |                            | Mechanical data (setting 16)                           |                                                      |
|-----------------------------------|----------------------------|--------------------------------------------------------|------------------------------------------------------|
| DC bus voltage                    | 560 V DC                   | Max mechanical speed                                   | 6000 rpm                                             |
| Nominal AC voltage                | 380 V AC (rms)             | Mech. time constant                                    | 0.64 ms                                              |
| Rated voltage                     | 267 V AC (rms)             | Thermal time constant                                  | 62 min                                               |
| Rated power                       | 9.4 kW                     | Rotor inertia                                          | 47 kgcm <sup>2</sup>                                 |
| Rated speed                       | 3000 rpm                   | Protection                                             | IP64                                                 |
| Rated torque                      | 30.00 Nm                   | Color                                                  | RAL 9005                                             |
| Rated current                     | 24.35 A (rms)              | Cooling                                                | Convection                                           |
| Peak torque                       | 132 Nm                     | Motor-only mass                                        | 30.4 kg                                              |
| Peak current                      | 101.6 A (rms)              | Max. axial force 20kh                                  | 143 N                                                |
| Stall torque                      | 44 Nm                      | Max. radial force 20kh                                 | 755 N*                                               |
| Stall current                     | 28.3 A (rms)               | Max. axial force 100kh                                 | 84 N                                                 |
| No load speed                     | 4040 rpm                   | Max. radial force 100kh                                | 442 N*                                               |
| EMF constant ±10%                 | 94 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                                      |
| Theoretical torque constant ±10%  | 1.55 Nm / A (rms)          | Sensors                                                |                                                      |
| Torque constant ±10% @ rated load | 1.23 Nm / A (rms)          | Temperature                                            | PT1000 {PT1000}                                      |
| Number of poles                   | 10                         | Feedback                                               | SRM50 (Hiperface) multi-turn,<br>1024 sin/cos+12bits |
| Electrical time constant          | 14.74 ms                   | Brake                                                  |                                                      |
| Winding terminal resistance       | 0.19 Ω                     | Braking torque                                         | 36.00 Nm                                             |
| Rotary field terminal inductance  | 2.8 mH                     | Voltage                                                | 24 V DC                                              |
| Customs info                      |                            | Power @20°C                                            | 26.0 W                                               |
| HS Code                           | 85015230                   | 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      |

