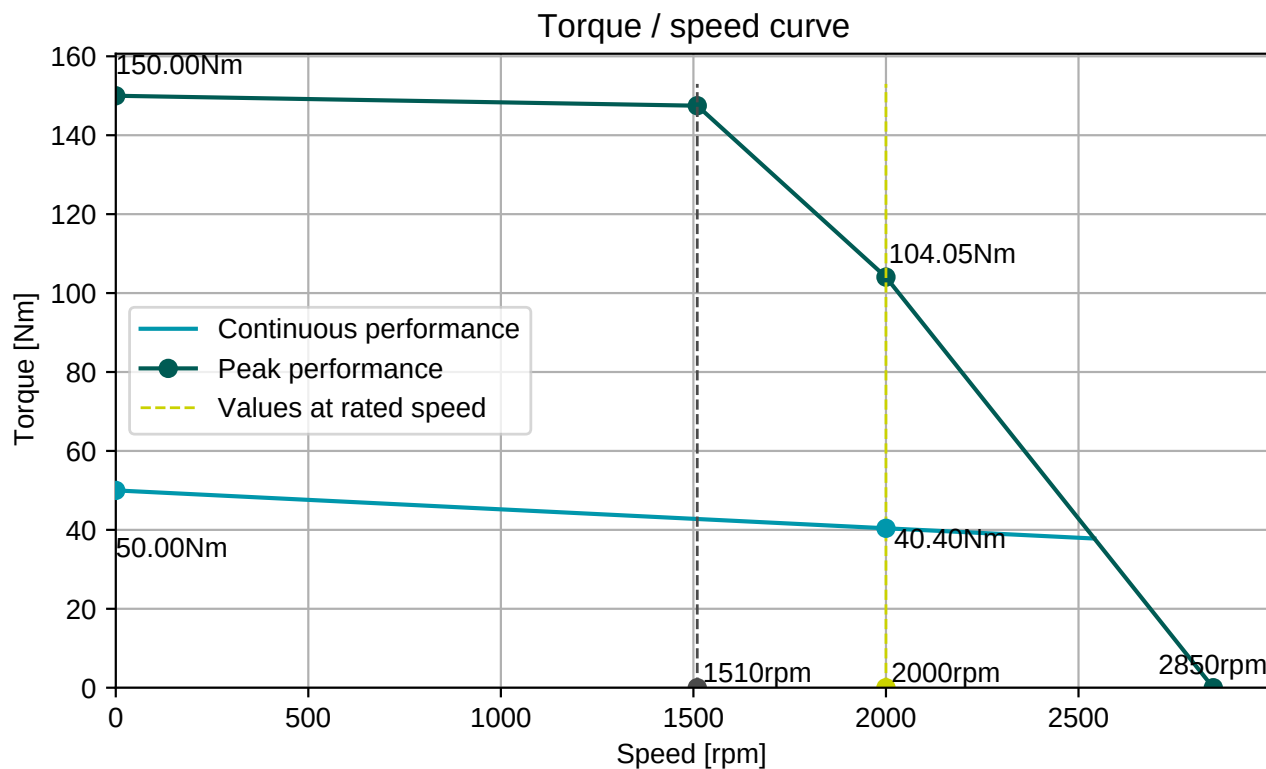


| Engineering data (WIN 1154)          |                             | Mechanical data (setting 16)                                                                                   |                      |
|--------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------|----------------------|
| DC bus voltage                       | 560 V DC                    | Max mechanical speed                                                                                           | 6000 rpm             |
| Nominal AC voltage                   | 380 V AC (rms)              | Mech. time constant                                                                                            | 0.79 ms              |
| Rated voltage                        | 269 V AC (rms)              | Thermal time constant                                                                                          | 100 min              |
| Rated power                          | 8.5 kW                      | Rotor inertia                                                                                                  | 88 kgcm <sup>2</sup> |
| Rated speed                          | 2000 rpm                    | Protection                                                                                                     | IP64                 |
| Rated torque                         | 40.40 Nm                    | Color                                                                                                          | RAL 9005             |
| Rated current                        | 21.82 A (rms)               | Cooling                                                                                                        | Convection           |
| Peak torque                          | 150 Nm                      | Motor-only mass                                                                                                | 24 kg                |
| Peak current                         | 78.9 A (rms)                | Max. axial force 20kh                                                                                          | 293 N                |
| Stall torque                         | 50 Nm                       | Max. radial force 20kh                                                                                         | 1541 N*              |
| Stall current                        | 22.7 A (rms)                | Max. axial force 100kh                                                                                         | 171 N                |
| No load speed                        | 2850 rpm                    | Max. radial force 100kh                                                                                        | 901 N*               |
| EMF constant ±10%                    | 133 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                                         |                      |
| Theoretical torque constant ±10%     | 2.2 Nm / A<br>(rms)         |                                                                                                                |                      |
| Torque constant ±10%<br>@ rated load | 1.9 Nm / A<br>(rms)         | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback SRM50 (Hiperface) multi-turn,<br>1024 sin/cos+12bits |                      |
| Number of poles                      | 10                          |                                                                                                                |                      |
| Electrical time constant             | 19.60 ms                    |                                                                                                                |                      |
| Winding terminal resistance          | 0.25 Ω                      |                                                                                                                |                      |
| Rotary field terminal inductance     | 4.9 mH                      |                                                                                                                |                      |
| Customs info                         |                             |                                                                                                                |                      |
| HS Code                              | 85015230                    |                                                                                                                |                      |


**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      |

