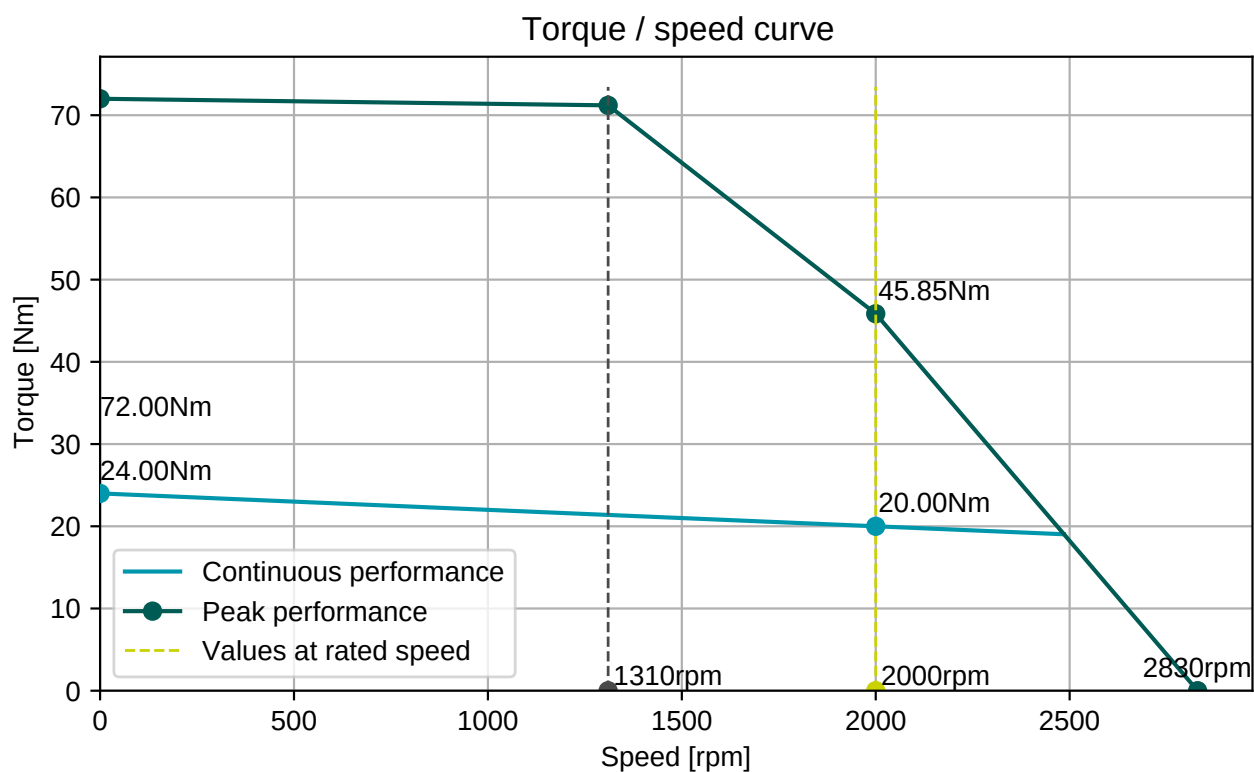


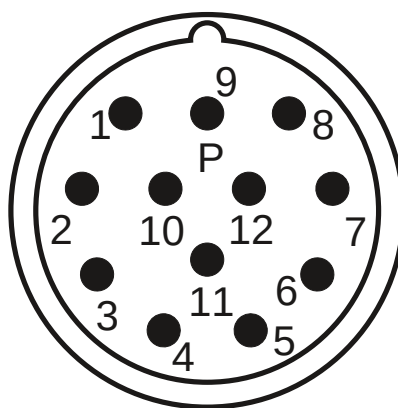
| Engineering data (WIN 880)           |                             | Mechanical data (setting 5)                                                                                         |                        |
|--------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 560 V DC                    | Max mechanical speed                                                                                                | 6000 rpm               |
| Nominal AC voltage                   | 380 V AC (rms)              | Mech. time constant                                                                                                 | 0.73 ms                |
| Rated voltage                        | 274 V AC (rms)              | Thermal time constant                                                                                               | 47 min                 |
| Rated power                          | 4.2 kW                      | Rotor inertia                                                                                                       | 25.6 kgcm <sup>2</sup> |
| Rated speed                          | 2000 rpm                    | Protection                                                                                                          | IP64                   |
| Rated torque                         | 20.00 Nm                    | Color                                                                                                               | RAL 9005               |
| Rated current                        | 10.66 A (rms)               | Cooling                                                                                                             | Convection             |
| Peak torque                          | 72 Nm                       | Motor-only mass                                                                                                     | 13.8 kg                |
| Peak current                         | 42.3 A (rms)                | Max. axial force 20kh                                                                                               | 149 N                  |
| Stall torque                         | 24 Nm                       | Max. radial force 20kh                                                                                              | 782 N*                 |
| Stall current                        | 10.8 A (rms)                | Max. axial force 100kh                                                                                              | 87 N                   |
| No load speed                        | 2830 rpm                    | Max. radial force 100kh                                                                                             | 458 N*                 |
| EMF constant ±10%                    | 134 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                                              |                        |
| Theoretical torque constant ±10%     | 2.22 Nm / A<br>(rms)        |                                                                                                                     |                        |
| Torque constant ±10%<br>@ rated load | 1.88 Nm / A<br>(rms)        | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback 2-pole resolver ( ER5Kd411,<br>TS2620N21E11, RE-15-1-A15) |                        |
| Number of poles                      | 10                          |                                                                                                                     |                        |
| Electrical time constant             | 13.33 ms                    |                                                                                                                     |                        |
| Winding terminal resistance          | 0.81 Ω                      |                                                                                                                     |                        |
| Rotary field terminal inductance     | 10.8 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     |

