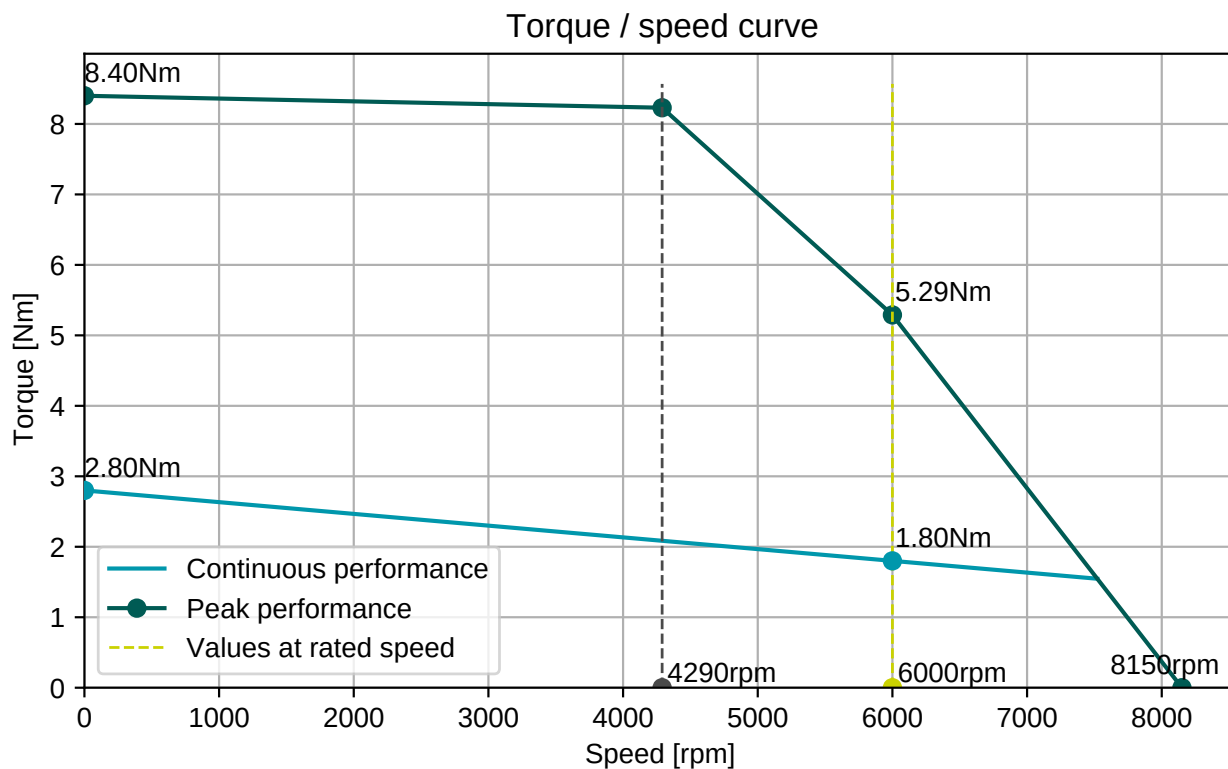


| Engineering data (WIN 1630)          |                              | Mechanical data (setting 16)                                                                                                        |                       |
|--------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| DC bus voltage                       | 560 V DC                     | Max mechanical speed                                                                                                                | 12000 rpm             |
| Nominal AC voltage                   | 380 V AC (rms)               | Mech. time constant                                                                                                                 | 0.82 ms               |
| Rated voltage                        | 279 V AC (rms)               | Thermal time constant                                                                                                               | 25 min                |
| Rated power                          | 1.1 kW                       | Rotor inertia                                                                                                                       | 0.8 kgcm <sup>2</sup> |
| Rated speed                          | 6000 rpm                     | Protection                                                                                                                          | IP64                  |
| Rated torque                         | 1.80 Nm                      | Color                                                                                                                               | RAL 9005              |
| Rated current                        | 2.79 A (rms)                 | Cooling                                                                                                                             | Convection            |
| Peak torque                          | 8.4 Nm                       | Motor-only mass                                                                                                                     | 2.5 kg                |
| Peak current                         | 14.1 A (rms)                 | Max. axial force 20kh                                                                                                               | 54 N                  |
| Stall torque                         | 2.8 Nm                       | Max. radial force 20kh                                                                                                              | 283 N*                |
| Stall current                        | 3.64 A (rms)                 | Max. axial force 100kh                                                                                                              | 31 N                  |
| No load speed                        | 8150 rpm                     | Max. radial force 100kh                                                                                                             | 165 N*                |
| EMF constant ±10%                    | 46.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                                                              |                       |
| Theoretical torque constant ±10%     | 0.769 Nm / A<br>(rms)        |                                                                                                                                     |                       |
| Torque constant ±10%<br>@ rated load | 0.645 Nm / A<br>(rms)        | <div>Sensors</div> <div>Temperature PT1000 {PT1000}</div> <div>Feedback SRM50 (Hiperface) multi-turn,<br/>1024 sin/cos+12bits</div> |                       |
| Number of poles                      | 10                           |                                                                                                                                     |                       |
| Electrical time constant             | 2.53 ms                      |                                                                                                                                     |                       |
| Winding terminal resistance          | 3.48 Ω                       |                                                                                                                                     |                       |
| Rotary field terminal inductance     | 8.8 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      |

