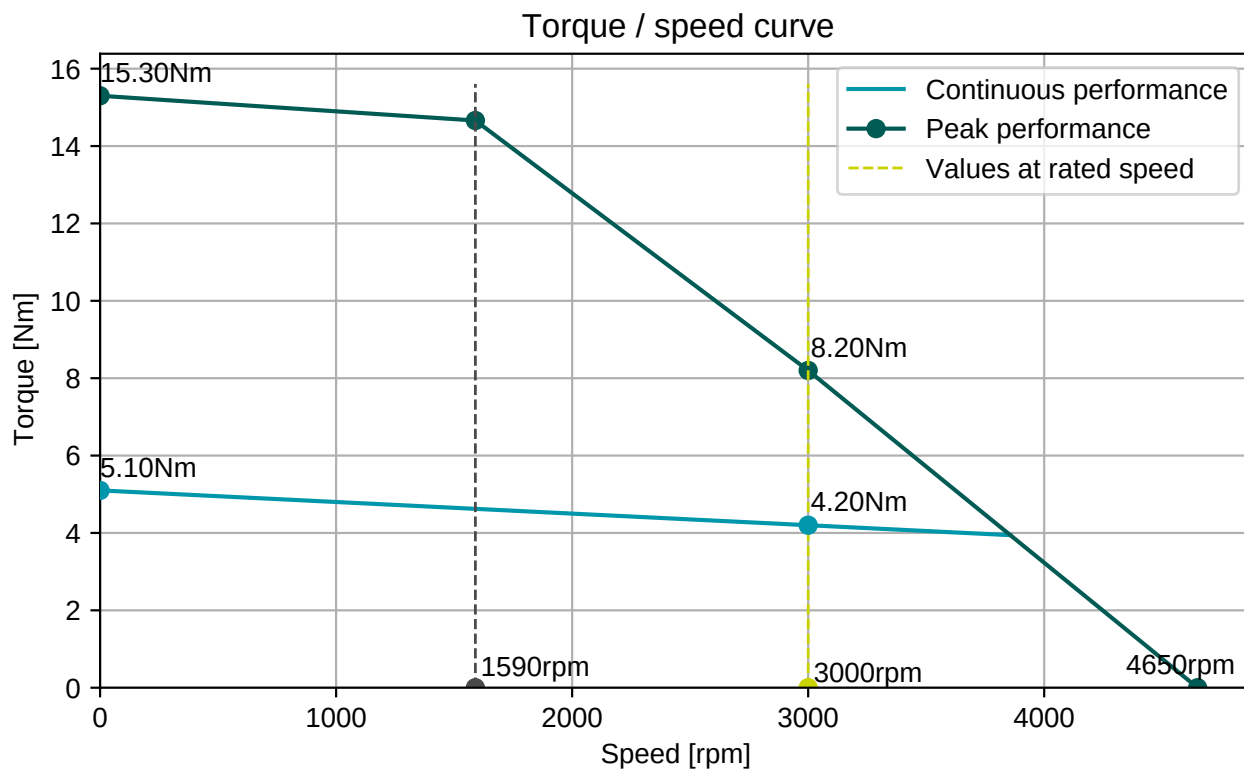


| Engineering data (WIN 709)        |                            | Mechanical data (setting 16)                                  |                                                   |
|-----------------------------------|----------------------------|---------------------------------------------------------------|---------------------------------------------------|
| DC bus voltage                    | 560 V DC                   | Max mechanical speed                                          | 9000 rpm                                          |
| Nominal AC voltage                | 380 V AC (rms)             | Mech. time constant                                           | 0.78 ms                                           |
| Rated voltage                     | 276 V AC (rms)             | Thermal time constant                                         | 25 min                                            |
| Rated power                       | 1.3 kW                     | Rotor inertia                                                 | 2.04 kgcm <sup>2</sup>                            |
| Rated speed                       | 3000 rpm                   | Protection                                                    | IP64                                              |
| Rated torque                      | 4.20 Nm                    | Color                                                         | RAL 9005                                          |
| Rated current                     | 3.94 A (rms)               | Cooling                                                       | Convection                                        |
| Peak torque                       | 15.3 Nm                    | Max. axial force 20kh                                         | 116 N                                             |
| Peak current                      | 17.4 A (rms)               | Max. radial force 20kh                                        | 611 N*                                            |
| Stall torque                      | 5.1 Nm                     | Max. axial force 100kh                                        | 68 N                                              |
| Stall current                     | 3.81 A (rms)               | Max. radial force 100kh                                       | 357 N*                                            |
| No load speed                     | 4650 rpm                   | <i>* Defined for point of action at ½ output shaft length</i> |                                                   |
| EMF constant ±10%                 | 81 V AC (rms)<br>/ 1000rpm | Sensors                                                       |                                                   |
| Theoretical torque constant ±10%  | 1.34 Nm / A (rms)          | Temperature                                                   | PTC 111-K13 {PTC 111-K13 Reissmann}               |
| Torque constant ±10% @ rated load | 1.07 Nm / A (rms)          | Feedback                                                      | SRM50 (Hiperface) multi-turn, 1024 sin/cos+12bits |
| Number of poles                   | 10                         | Brake                                                         |                                                   |
| Electrical time constant          | 5.45 ms                    | Braking torque                                                | 9.00 Nm                                           |
| Winding terminal resistance       | 3.98 Ω                     | Voltage                                                       | 24 V DC                                           |
| Rotary field terminal inductance  | 21.7 mH                    | Power @20°C                                                   | 18.0 W                                            |
|                                   |                            | Current @20°C                                                 | 0.75 A                                            |
|                                   |                            | Inertia                                                       | 0.60 kgcm <sup>2</sup>                            |
|                                   |                            | Mass                                                          | 0.82 kg                                           |
| 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      |

