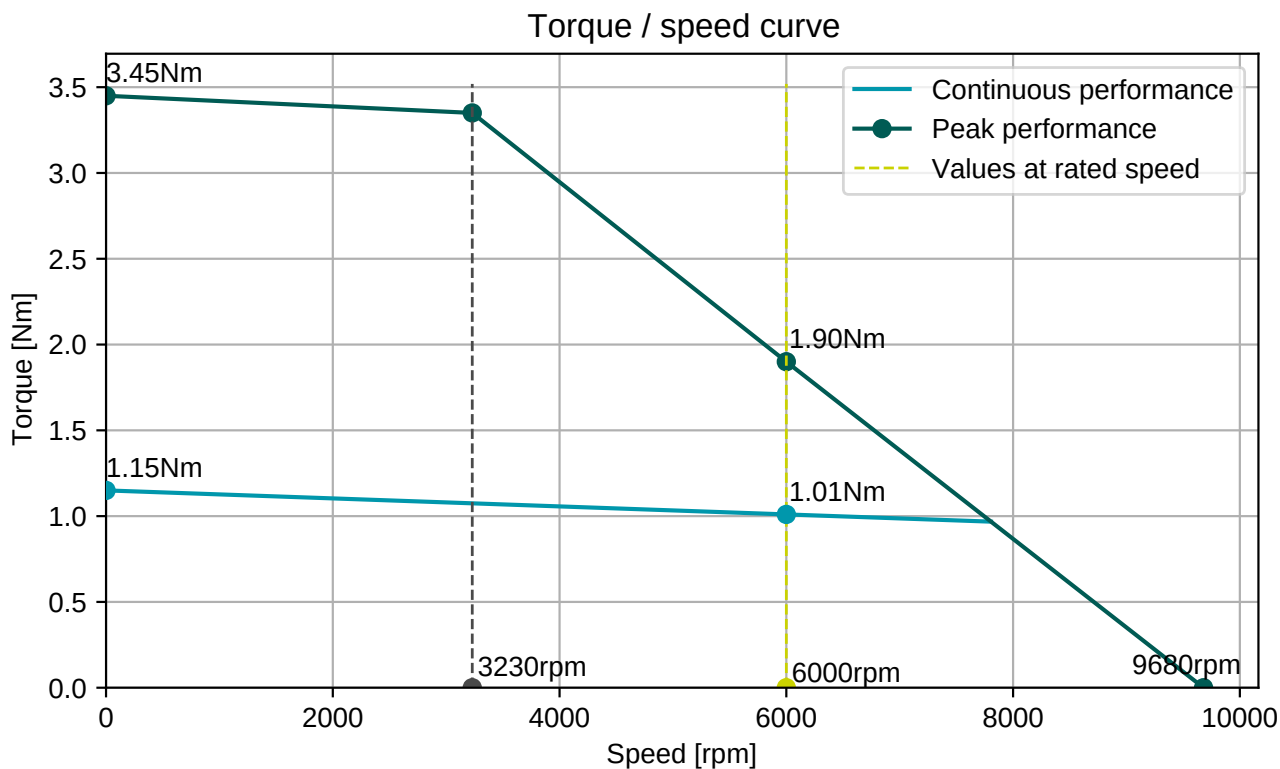


| Engineering data (WIN 719)           |                            | Mechanical data (setting 46)                           |                                               |
|--------------------------------------|----------------------------|--------------------------------------------------------|-----------------------------------------------|
| DC bus voltage                       | 560 V DC                   | Max mechanical speed                                   | 12000 rpm                                     |
| Nominal AC voltage                   | 380 V AC (rms)             | Mech. time constant                                    | 1.38 ms                                       |
| Rated voltage                        | 269 V AC (rms)             | Thermal time constant                                  | 21 min                                        |
| Rated power                          | 635 W                      | Rotor inertia                                          | 0.31 kgcm <sup>2</sup>                        |
| Rated speed                          | 6000 rpm                   | Protection                                             | IP64                                          |
| Rated torque                         | 1.01 Nm                    | Color                                                  | RAL 9005                                      |
| Rated current                        | 1.99 A (rms)               | Cooling                                                | Convection                                    |
| Peak torque                          | 3.45 Nm                    | Motor-only mass                                        | 2 kg                                          |
| Peak current                         | 7.8 A (rms)                | Max. axial force 20kh                                  | 45 N                                          |
| Stall torque                         | 1.15 Nm                    | Max. radial force 20kh                                 | 237 N*                                        |
| Stall current                        | 1.78 A (rms)               | Max. axial force 100kh                                 | 26 N                                          |
| No load speed                        | 9680 rpm                   | Max. radial force 100kh                                | 139 N*                                        |
| EMF constant ±10%                    | 39 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                               |
| Theoretical torque constant ±10%     | 0.65 Nm / A<br>(rms)       |                                                        |                                               |
| Torque constant ±10%<br>@ rated load | 0.51 Nm / A<br>(rms)       |                                                        |                                               |
| Number of poles                      | 10                         |                                                        |                                               |
| Electrical time constant             | 2.15 ms                    |                                                        |                                               |
| Winding terminal resistance          | 10.71 Ω                    |                                                        |                                               |
| Rotary field terminal inductance     | 23 mH                      |                                                        |                                               |
| Customs info                         |                            | Sensors                                                |                                               |
| HS Code                              | 85015100                   | Temperature                                            | PT1000 {PT1000}                               |
|                                      |                            | Feedback                                               | SKS36 (Hiperface) single-turn,<br>128 sin/cos |
|                                      |                            | Brake                                                  |                                               |
|                                      |                            | Braking torque                                         | 4.50 Nm                                       |
|                                      |                            | Voltage                                                | 24 V DC                                       |
|                                      |                            | Power @20°C                                            | 12.0 W                                        |
|                                      |                            | Current @20°C                                          | 0.50 A                                        |
|                                      |                            | Inertia                                                | 0.20 kgcm <sup>2</sup>                        |
|                                      |                            | Mass                                                   | 0.47 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      |

