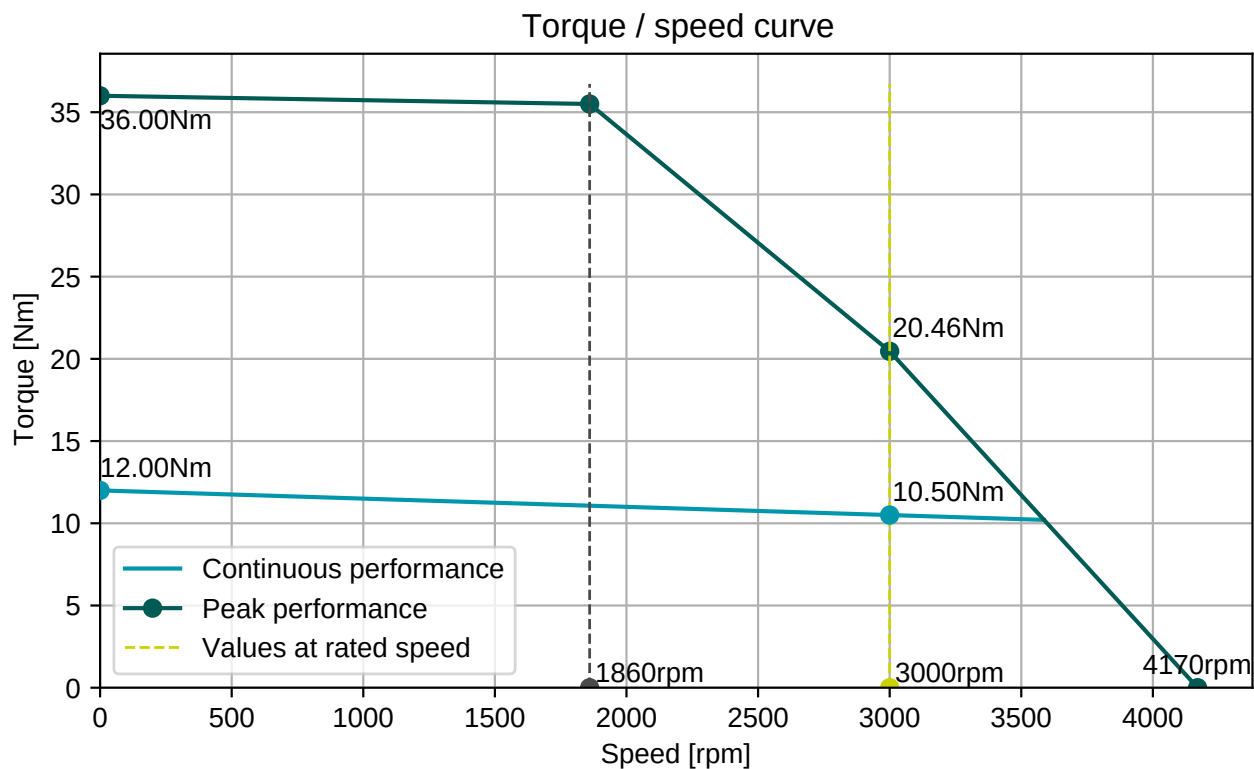


| Engineering data (WIN 729)           |                            | Mechanical data (setting 16)                                                                                    |                       |
|--------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|
| DC bus voltage                       | 560 V DC                   | Max mechanical speed                                                                                            | 9000 rpm              |
| Nominal AC voltage                   | 380 V AC (rms)             | Mech. time constant                                                                                             | 0.80 ms               |
| Rated voltage                        | 291 V AC (rms)             | Thermal time constant                                                                                           | 45 min                |
| Rated power                          | 3.3 kW                     | Rotor inertia                                                                                                   | 7.9 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                   | Protection                                                                                                      | IP64                  |
| Rated torque                         | 10.50 Nm                   | Color                                                                                                           | RAL 9005              |
| Rated current                        | 8.25 A (rms)               | Cooling                                                                                                         | Convection            |
| Peak torque                          | 36 Nm                      | Motor-only mass                                                                                                 | 7.5 kg                |
| Peak current                         | 29.4 A (rms)               | Max. axial force 20kh                                                                                           | 126 N                 |
| Stall torque                         | 12 Nm                      | Max. radial force 20kh                                                                                          | 665 N*                |
| Stall current                        | 8 A (rms)                  | Max. axial force 100kh                                                                                          | 74 N                  |
| No load speed                        | 4170 rpm                   | Max. radial force 100kh                                                                                         | 389 N*                |
| EMF constant ±10%                    | 91 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                                          |                       |
| Theoretical torque constant ±10%     | 1.51 Nm / A<br>(rms)       |                                                                                                                 |                       |
| Torque constant ±10%<br>@ rated load | 1.27 Nm / A<br>(rms)       | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback SRS50 (Hiperface) single-turn,<br>1024 sin/cos+12bits |                       |
| Number of poles                      | 10                         |                                                                                                                 |                       |
| Electrical time constant             | 8.20 ms                    |                                                                                                                 |                       |
| Winding terminal resistance          | 1.33 Ω                     |                                                                                                                 |                       |
| Rotary field terminal inductance     | 10.9 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      |

