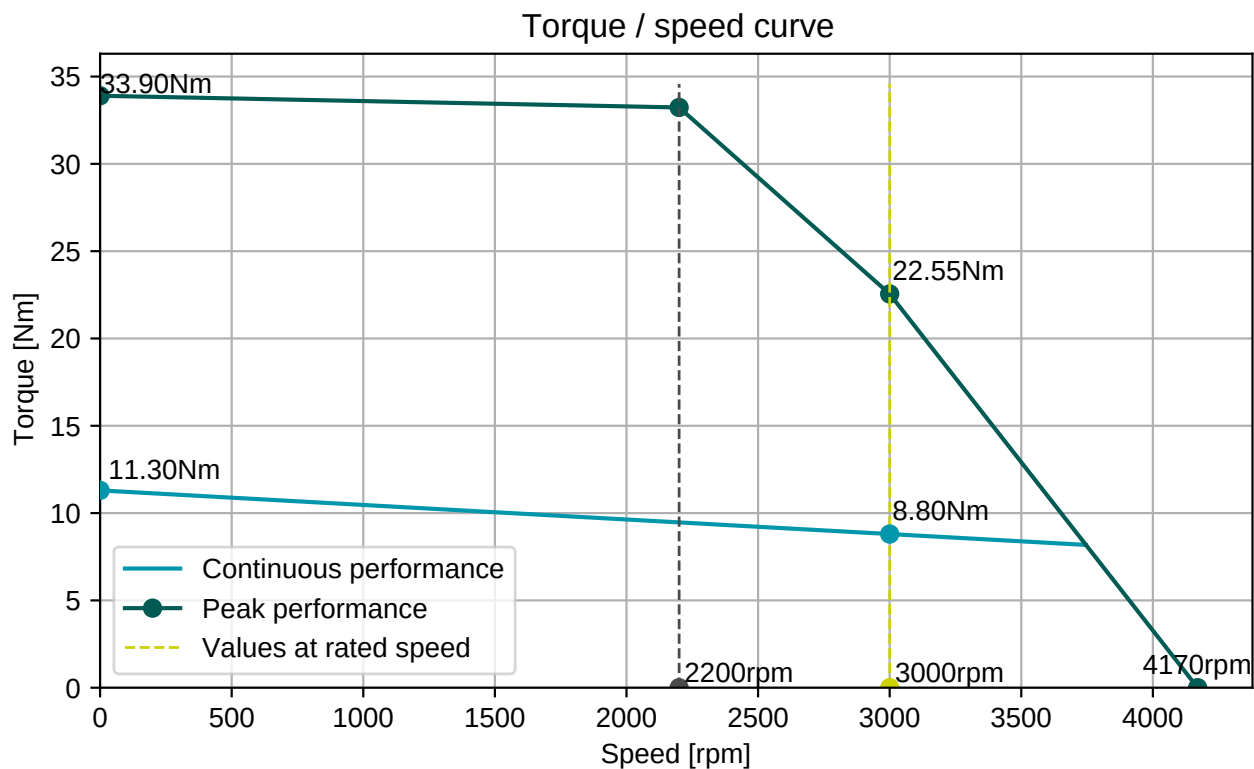


| Engineering data (WIN 816)           |                            | Mechanical data (setting 29)                                                                              |                       |
|--------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| DC bus voltage                       | 560 V DC                   | Max mechanical speed                                                                                      | 9000 rpm              |
| Nominal AC voltage                   | 380 V AC (rms)             | Mech. time constant                                                                                       | 0.62 ms               |
| Rated voltage                        | 266 V AC (rms)             | Thermal time constant                                                                                     | 40 min                |
| Rated power                          | 2.8 kW                     | Rotor inertia                                                                                             | 5.7 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                   | Protection                                                                                                | IP64                  |
| Rated torque                         | 8.80 Nm                    | Color                                                                                                     | RAL 9005              |
| Rated current                        | 7.41 A (rms)               | Cooling                                                                                                   | Convection            |
| Peak torque                          | 33.9 Nm                    | Motor-only mass                                                                                           | 7.7 kg                |
| Peak current                         | 27.9 A (rms)               | Max. axial force 20kh                                                                                     | 135 N                 |
| Stall torque                         | 11.3 Nm                    | Max. radial force 20kh                                                                                    | 713 N*                |
| Stall current                        | 7.5 A (rms)                | Max. axial force 100kh                                                                                    | 79 N                  |
| No load speed                        | 4170 rpm                   | Max. radial force 100kh                                                                                   | 417 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 | 1.19 Nm / A<br>(rms)       | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EQI1131 (EnDat 2.2) multi-turn,<br>19 + 12 bits |                       |
| Number of poles                      | 10                         |                                                                                                           |                       |
| Electrical time constant             | 6.27 ms                    |                                                                                                           |                       |
| Winding terminal resistance          | 1.42 Ω                     |                                                                                                           |                       |
| Rotary field terminal inductance     | 8.9 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 (293)

|    |            |
|----|------------|
| 1  | Vcc (+5V)  |
| 2  | GND        |
| 3  | DATA       |
| 4  | DATA-      |
| 5  | CLOCK      |
| 6  | CLOCK-     |
| 7  | Therm+     |
| 8  | Therm-     |
| 9  | Vcc sensor |
| 10 | GND sensor |

