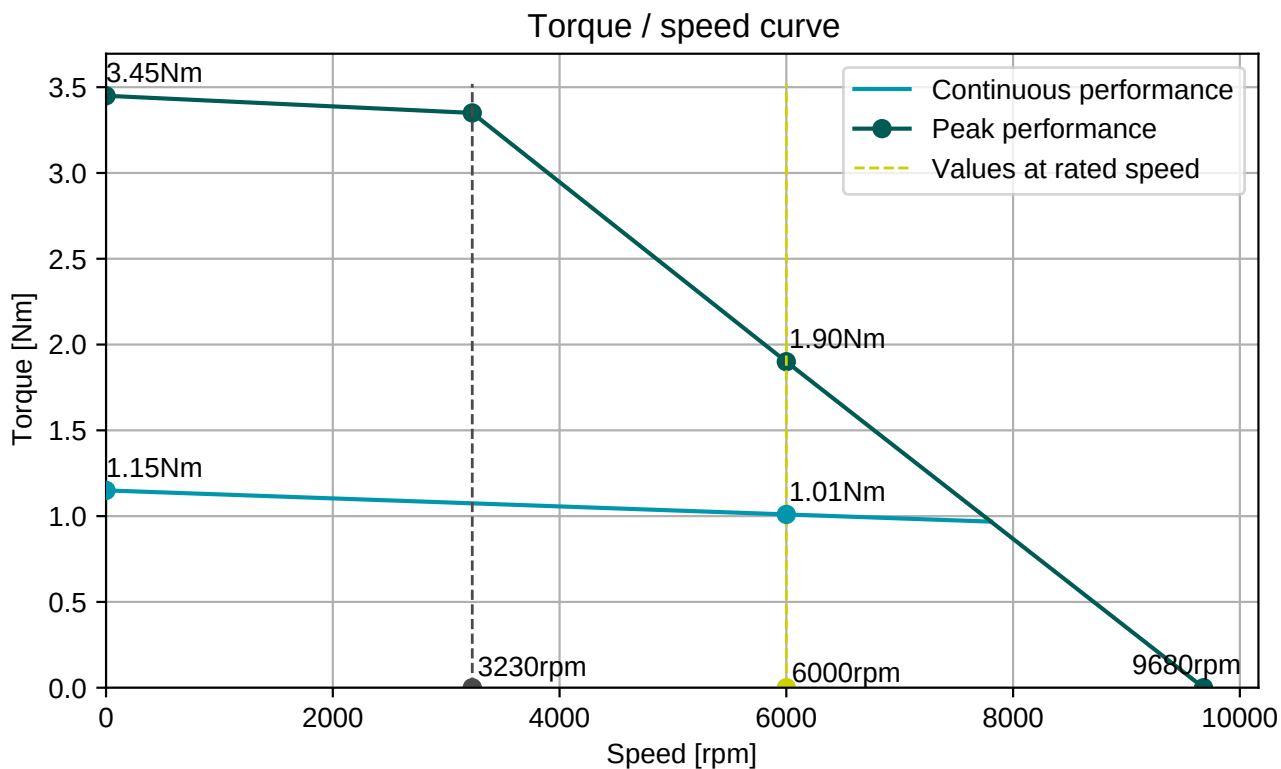


| Engineering data (WIN 719)           |                                                       | Mechanical data (setting 16)                                                                                                                                                                       |            |         |  |             |                 |          |                                                       |
|--------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--|-------------|-----------------|----------|-------------------------------------------------------|
| DC bus voltage                       | 560 V DC                                              | Max mechanical speed                                                                                                                                                                               | 12000 rpm  |         |  |             |                 |          |                                                       |
| Nominal AC voltage                   | 380 V AC (rms)                                        | Mech. time constant                                                                                                                                                                                | 1.38 ms    |         |  |             |                 |          |                                                       |
| Rated voltage                        | 269 V AC (rms)                                        | Thermal time constant                                                                                                                                                                              | 21 min     |         |  |             |                 |          |                                                       |
| Rated power                          | 635 W                                                 | Rotor inertia                                                                                                                                                                                      | 0.31 kgcm² |         |  |             |                 |          |                                                       |
| 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                                                                                                                                                                                    | 1.5 kg     |         |  |             |                 |          |                                                       |
| Peak current                         | 7.8 A (rms)                                           | Max. axial force 20kh                                                                                                                                                                              | 43 N       |         |  |             |                 |          |                                                       |
| Stall torque                         | 1.15 Nm                                               | Max. radial force 20kh                                                                                                                                                                             | 225 N*     |         |  |             |                 |          |                                                       |
| Stall current                        | 1.78 A (rms)                                          | Max. axial force 100kh                                                                                                                                                                             | 25 N       |         |  |             |                 |          |                                                       |
| No load speed                        | 9680 rpm                                              | Max. radial force 100kh                                                                                                                                                                            | 131 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 (rms)                                     |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |
| Torque constant ±10%<br>@ rated load | 0.51 Nm / A (rms)                                     | <table><tr><th colspan="2">Sensors</th></tr><tr><td>Temperature</td><td>PT1000 {PT1000}</td></tr><tr><td>Feedback</td><td>SRS50 (Hiperface) single-turn,<br/>1024 sin/cos+12bits</td></tr></table> |            | Sensors |  | Temperature | PT1000 {PT1000} | Feedback | SRS50 (Hiperface) single-turn,<br>1024 sin/cos+12bits |
| Sensors                              |                                                       |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |
| Temperature                          | PT1000 {PT1000}                                       |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |
| Feedback                             | SRS50 (Hiperface) single-turn,<br>1024 sin/cos+12bits |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |
| Number of poles                      | 10                                                    |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |
| Electrical time constant             | 2.15 ms                                               |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |
| Winding terminal resistance          | 10.71 Ω                                               |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |
| Rotary field terminal inductance     | 23 mH                                                 |                                                                                                                                                                                                    |            |         |  |             |                 |          |                                                       |

| Customs info |          |
|--------------|----------|
| HS Code      | 85015100 |


**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      |

