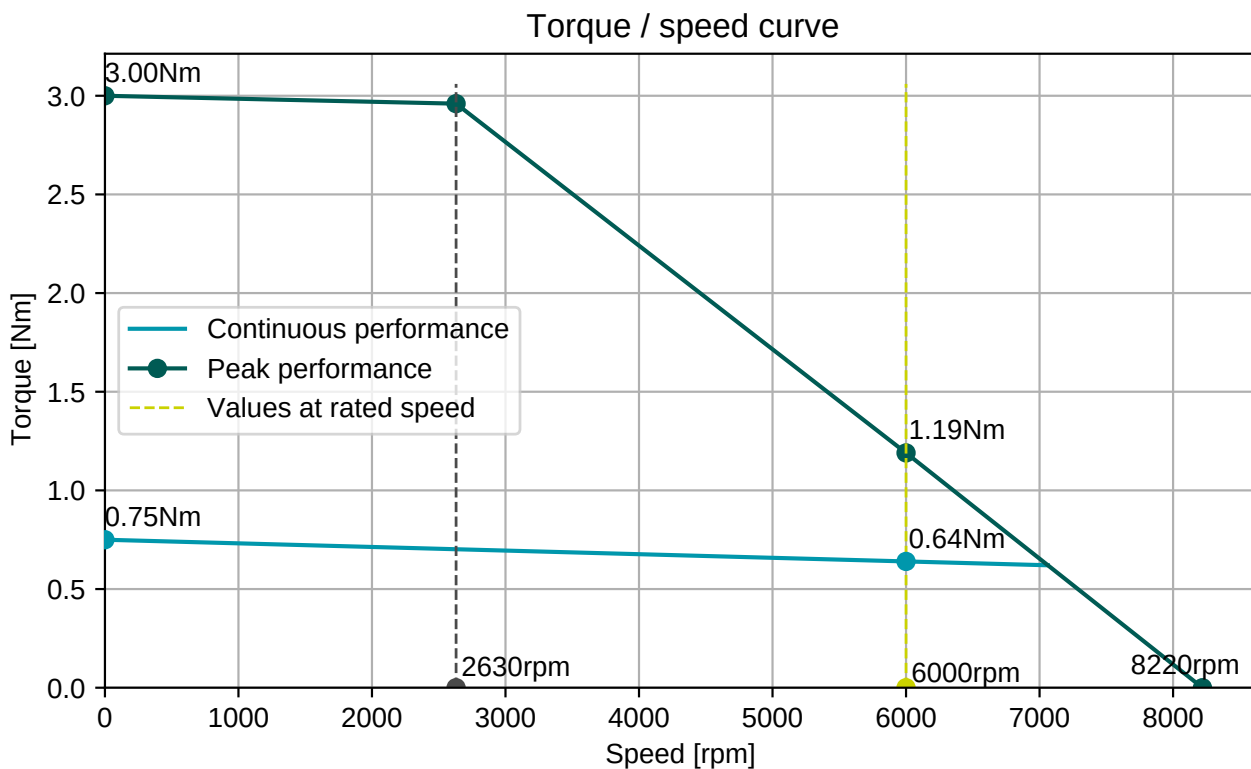


| Engineering data (WIN 819)           |                              | Mechanical data (setting 48)                                                                    |                        |
|--------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 320 V DC                     | Max mechanical speed                                                                            | 12000 rpm              |
| Nominal AC voltage                   | 220 V AC (rms)               | Mech. time constant                                                                             | 1.08 ms                |
| Rated voltage                        | 190 V AC (rms)               | Thermal time constant                                                                           | 12 min                 |
| Rated power                          | 402 W                        | Rotor inertia                                                                                   | 0.09 kgcm <sup>2</sup> |
| Rated speed                          | 6000 rpm                     | Protection                                                                                      | IP64                   |
| Rated torque                         | 0.64 Nm                      | Color                                                                                           | RAL 9005               |
| Rated current                        | 1.57 A (rms)                 | Cooling                                                                                         | Convection             |
| Peak torque                          | 3 Nm                         | Motor-only mass                                                                                 | 1.35 kg                |
| Peak current                         | 7.9 A (rms)                  | Max. axial force 20kh                                                                           | 37 N                   |
| Stall torque                         | 0.75 Nm                      | Max. radial force 20kh                                                                          | 195 N*                 |
| Stall current                        | 1.71 A (rms)                 | Max. axial force 100kh                                                                          | 22 N                   |
| No load speed                        | 8220 rpm                     | Max. radial force 100kh                                                                         | 114 N*                 |
| EMF constant ±10%                    | 26.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                          |                        |
| Theoretical torque constant ±10%     | 0.44 Nm / A<br>(rms)         |                                                                                                 |                        |
| Torque constant ±10%<br>@ rated load | 0.41 Nm / A<br>(rms)         | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKM36 (HDSL) multi-turn, 17 + 12 bits |                        |
| Number of poles                      | 6                            |                                                                                                 |                        |
| Electrical time constant             | 1.35 ms                      |                                                                                                 |                        |
| Winding terminal resistance          | 13.36 Ω                      |                                                                                                 |                        |
| Rotary field terminal inductance     | 18 mH                        |                                                                                                 |                        |
| Customs info                         |                              |                                                                                                 |                        |
| HS Code                              | 85015100                     |                                                                                                 |                        |


**BGC110N00001216000**

M23, 8 poles, rotary


**Connector 1 (283)**

|   |          |
|---|----------|
| 1 | U        |
| 4 | V        |
| 3 | W        |
| 2 | PE       |
| A | Brake+   |
| B | Brake-   |
| C | GND/DSL- |
| D | +Us/DSL+ |

