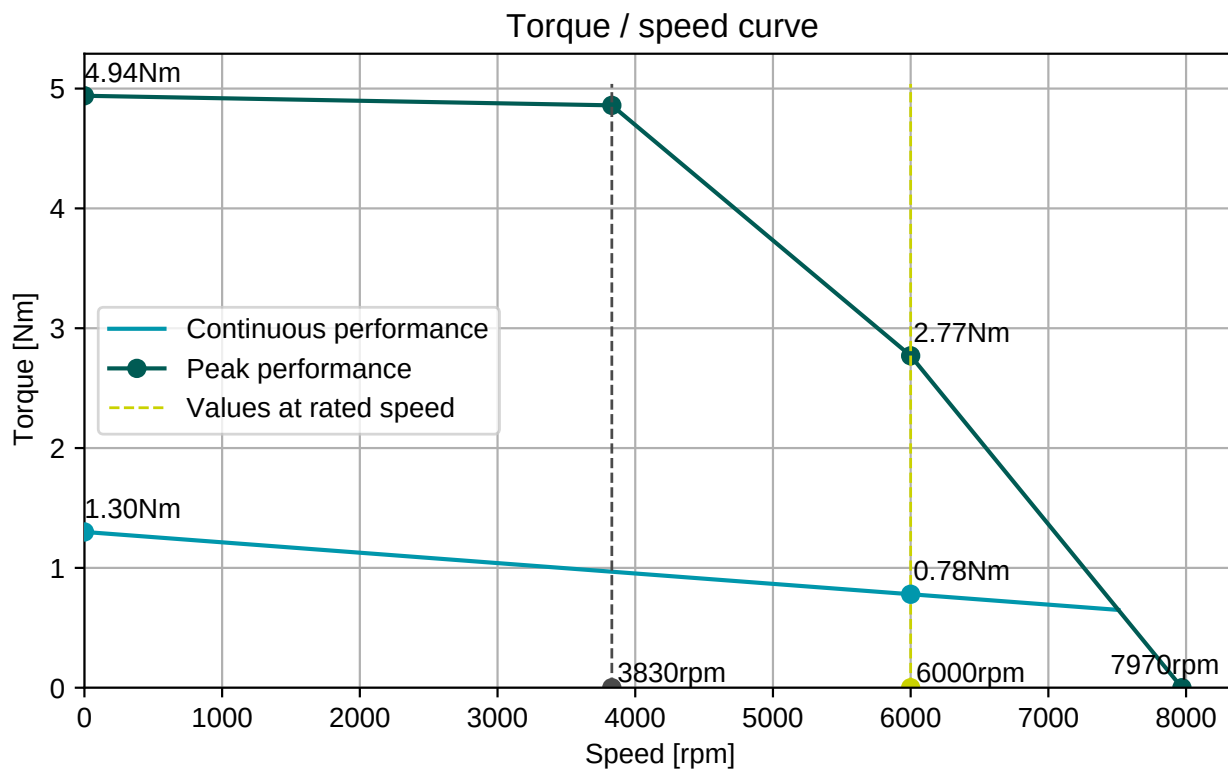


| Engineering data (WIN 1439)          |                              | Mechanical data (setting 48)                                                                |                       |
|--------------------------------------|------------------------------|---------------------------------------------------------------------------------------------|-----------------------|
| DC bus voltage                       | 320 V DC                     | Max mechanical speed                                                                        | 12000 rpm             |
| Nominal AC voltage                   | 220 V AC (rms)               | Mech. time constant                                                                         | 1.67 ms               |
| Rated voltage                        | 165 V AC (rms)               | Thermal time constant                                                                       | 24 min                |
| Rated power                          | 490 W                        | Rotor inertia                                                                               | 0.5 kgcm <sup>2</sup> |
| Rated speed                          | 6000 rpm                     | Protection                                                                                  | IP64                  |
| Rated torque                         | 0.78 Nm                      | Color                                                                                       | RAL 9005              |
| Rated current                        | 2.06 A (rms)                 | Cooling                                                                                     | Convection            |
| Peak torque                          | 4.94 Nm                      | Motor-only mass                                                                             | 1.6 kg                |
| Peak current                         | 13.5 A (rms)                 | Max. axial force 20kh                                                                       | 43 N                  |
| Stall torque                         | 1.3 Nm                       | Max. radial force 20kh                                                                      | 225 N*                |
| Stall current                        | 2.86 A (rms)                 | Max. axial force 100kh                                                                      | 25 N                  |
| No load speed                        | 7970 rpm                     | Max. radial force 100kh                                                                     | 131 N*                |
| EMF constant ±10%                    | 27.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                      |                       |
| Theoretical torque constant ±10%     | 0.455 Nm / A<br>(rms)        |                                                                                             |                       |
| Torque constant ±10%<br>@ rated load | 0.379 Nm / A<br>(rms)        | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EKS36 (HDSL) single-turn, 17 bits |                       |
| Number of poles                      | 10                           |                                                                                             |                       |
| Electrical time constant             | 1.34 ms                      |                                                                                             |                       |
| Winding terminal resistance          | 3.99 Ω                       |                                                                                             |                       |
| Rotary field terminal inductance     | 5.35 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+ |

