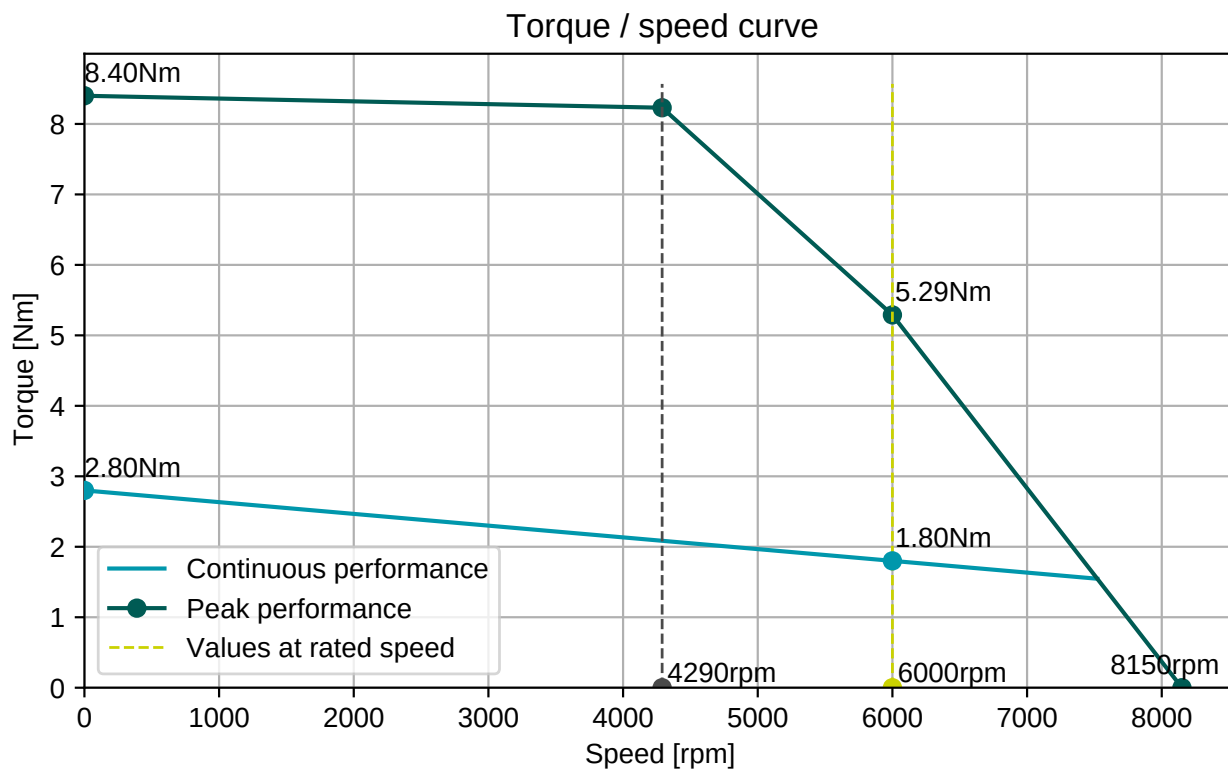


| Engineering data (WIN 1630)          |                              | Mechanical data (setting 48)                           |                                         |
|--------------------------------------|------------------------------|--------------------------------------------------------|-----------------------------------------|
| DC bus voltage                       | 560 V DC                     | Max mechanical speed                                   | 12000 rpm                               |
| Nominal AC voltage                   | 380 V AC (rms)               | Mech. time constant                                    | 0.82 ms                                 |
| Rated voltage                        | 279 V AC (rms)               | Thermal time constant                                  | 25 min                                  |
| Rated power                          | 1.1 kW                       | Rotor inertia                                          | 0.8 kgcm <sup>2</sup>                   |
| Rated speed                          | 6000 rpm                     | Protection                                             | IP64                                    |
| Rated torque                         | 1.80 Nm                      | Color                                                  | RAL 9005                                |
| Rated current                        | 2.79 A (rms)                 | Cooling                                                | Convection                              |
| Peak torque                          | 8.4 Nm                       | Motor-only mass                                        | 3.2 kg                                  |
| Peak current                         | 14.1 A (rms)                 | Max. axial force 20kh                                  | 63 N                                    |
| Stall torque                         | 2.8 Nm                       | Max. radial force 20kh                                 | 332 N*                                  |
| Stall current                        | 3.64 A (rms)                 | Max. axial force 100kh                                 | 37 N                                    |
| No load speed                        | 8150 rpm                     | Max. radial force 100kh                                | 194 N*                                  |
| EMF constant ±10%                    | 46.5 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                         |
| Theoretical torque constant ±10%     | 0.769 Nm / A<br>(rms)        |                                                        |                                         |
| Torque constant ±10%<br>@ rated load | 0.645 Nm / A<br>(rms)        |                                                        |                                         |
| Number of poles                      | 10                           | Sensors                                                |                                         |
| Electrical time constant             | 2.53 ms                      | Temperature                                            | PT1000 {PT1000}                         |
| Winding terminal resistance          | 3.48 Ω                       | Feedback                                               | EKS36 (HDSL) single-turn, 18 bits, SIL2 |
| Rotary field terminal inductance     | 8.8 mH                       | Brake                                                  |                                         |
| Customs info                         |                              | Braking torque                                         | 4.50 Nm                                 |
| HS Code                              | 85015220                     | Voltage                                                | 24 V DC                                 |
|                                      |                              | Power @20°C                                            | 12.0 W                                  |
|                                      |                              | Current @20°C                                          | 0.50 A                                  |
|                                      |                              | Inertia                                                | 0.20 kgcm <sup>2</sup>                  |
|                                      |                              | Mass                                                   | 0.47 kg                                 |



**BGC110N00001216000**

M23, 8 poles, rotary



**Connector 1 (283)**

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

