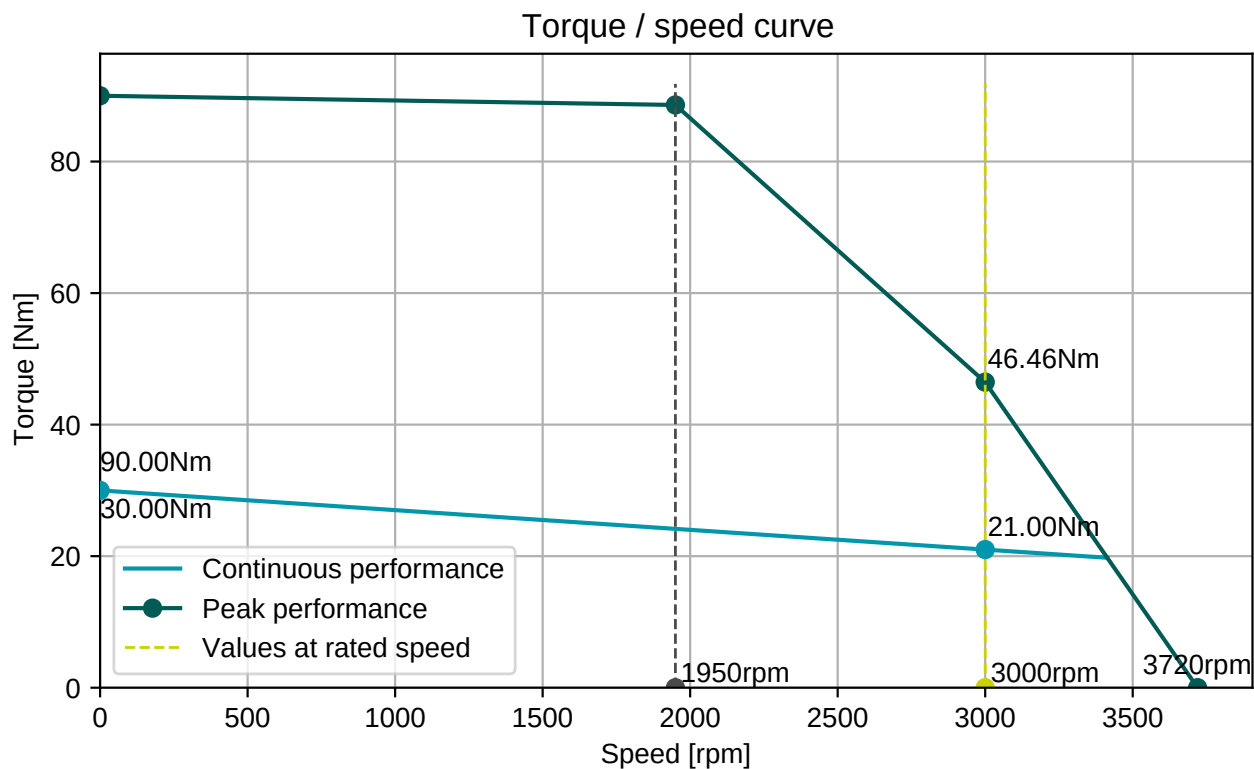


| Engineering data (WIN 993)           |                             | Mechanical data (setting 48)                           |                                        |
|--------------------------------------|-----------------------------|--------------------------------------------------------|----------------------------------------|
| DC bus voltage                       | 560 V DC                    | Max mechanical speed                                   | 6000 rpm                               |
| Nominal AC voltage                   | 380 V AC (rms)              | Mech. time constant                                    | 0.66 ms                                |
| Rated voltage                        | 284 V AC (rms)              | Thermal time constant                                  | 52 min                                 |
| Rated power                          | 6.6 kW                      | Rotor inertia                                          | 32.7 kgcm²                             |
| Rated speed                          | 3000 rpm                    | Protection                                             | IP64                                   |
| Rated torque                         | 21.00 Nm                    | Color                                                  | RAL 9005                               |
| Rated current                        | 16.19 A (rms)               | Cooling                                                | Convection                             |
| Peak torque                          | 90 Nm                       | Motor-only mass                                        | 9.2 kg                                 |
| Peak current                         | 63.9 A (rms)                | Max. axial force 20kh                                  | 136 N                                  |
| Stall torque                         | 30 Nm                       | Max. radial force 20kh                                 | 717 N*                                 |
| Stall current                        | 17.8 A (rms)                | Max. axial force 100kh                                 | 80 N                                   |
| No load speed                        | 3720 rpm                    | Max. radial force 100kh                                | 419 N*                                 |
| EMF constant ±10%                    | 102 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                        |
| Theoretical torque constant ±10%     | 1.69 Nm / A (rms)           |                                                        |                                        |
| Torque constant ±10%<br>@ rated load | 1.30 Nm / A (rms)           | Sensors                                                |                                        |
| Number of poles                      | 10                          | Temperature                                            | PT1000 {PT1000}                        |
| Electrical time constant             | 14.24 ms                    | Feedback                                               | EDM35 (HDSL) multi-turn,<br>20+12 bits |
| Winding terminal resistance          | 0.33 Ω                      |                                                        |                                        |
| Rotary field terminal inductance     | 4.7 mH                      |                                                        |                                        |

| Customs info |          |
|--------------|----------|
| HS Code      | 85015220 |


**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+ |

