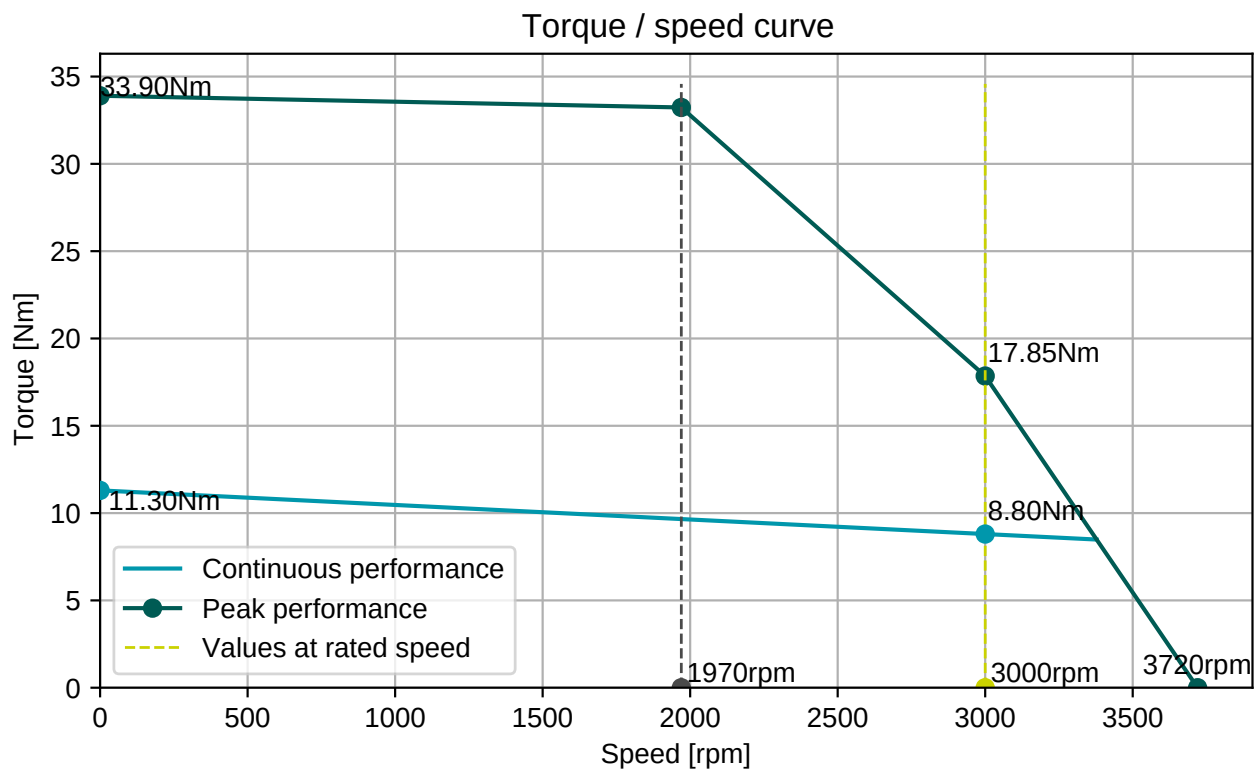


| Engineering data (WIN 829)        |                            | Mechanical data (setting 48)                           |                                   |
|-----------------------------------|----------------------------|--------------------------------------------------------|-----------------------------------|
| DC bus voltage                    | 320 V DC                   | Max mechanical speed                                   | 9000 rpm                          |
| Nominal AC voltage                | 220 V AC (rms)             | Mech. time constant                                    | 0.61 ms                           |
| Rated voltage                     | 172 V AC (rms)             | Thermal time constant                                  | 40 min                            |
| Rated power                       | 2.8 kW                     | Rotor inertia                                          | 5.7 kgcm²                         |
| Rated speed                       | 3000 rpm                   | Protection                                             | IP64                              |
| Rated torque                      | 8.80 Nm                    | Color                                                  | RAL 9005                          |
| Rated current                     | 11.42 A (rms)              | Cooling                                                | Convection                        |
| Peak torque                       | 33.9 Nm                    | Motor-only mass                                        | 6.4 kg                            |
| Peak current                      | 43.1 A (rms)               | Max. axial force 20kh                                  | 135 N                             |
| Stall torque                      | 11.3 Nm                    | Max. radial force 20kh                                 | 713 N*                            |
| Stall current                     | 11.6 A (rms)               | Max. axial force 100kh                                 | 79 N                              |
| No load speed                     | 3720 rpm                   | Max. radial force 100kh                                | 417 N*                            |
| EMF constant ±10%                 | 59 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length |                                   |
| Theoretical torque constant ±10%  | 0.98 Nm / A (rms)          |                                                        |                                   |
| Torque constant ±10% @ rated load | 0.77 Nm / A (rms)          | Sensors                                                |                                   |
| Number of poles                   | 10                         | Temperature                                            | PT1000 {PT1000}                   |
| Electrical time constant          | 6.27 ms                    | Feedback                                               | EDS35 (HDSL) single-turn, 24 bits |
| Winding terminal resistance       | 0.59 Ω                     |                                                        |                                   |
| Rotary field terminal inductance  | 3.7 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+ |

