

**Engineering data (WIN 933)**

|                                   |                            |
|-----------------------------------|----------------------------|
| DC bus voltage                    | 560 V DC                   |
| Nominal AC voltage                | 380 V AC (rms)             |
| Rated voltage                     | 267 V AC (rms)             |
| Rated power                       | 9.4 kW                     |
| Rated speed                       | 3000 rpm                   |
| Rated torque                      | 30.00 Nm                   |
| Rated current                     | 24.35 A (rms)              |
| Peak torque                       | 132 Nm                     |
| Peak current                      | 101.6 A (rms)              |
| Stall torque                      | 44 Nm                      |
| Stall current                     | 28.3 A (rms)               |
| No load speed                     | 4040 rpm                   |
| EMF constant ±10%                 | 94 V AC (rms)<br>/ 1000rpm |
| Theoretical torque constant ±10%  | 1.55 Nm / A<br>(rms)       |
| Torque constant ±10% @ rated load | 1.23 Nm / A<br>(rms)       |
| Number of poles                   | 10                         |
| Electrical time constant          | 14.74 ms                   |
| Winding terminal resistance       | 0.19 Ω                     |
| Rotary field terminal inductance  | 2.8 mH                     |

**Customs info**

|         |          |
|---------|----------|
| HS Code | 85015230 |
|---------|----------|

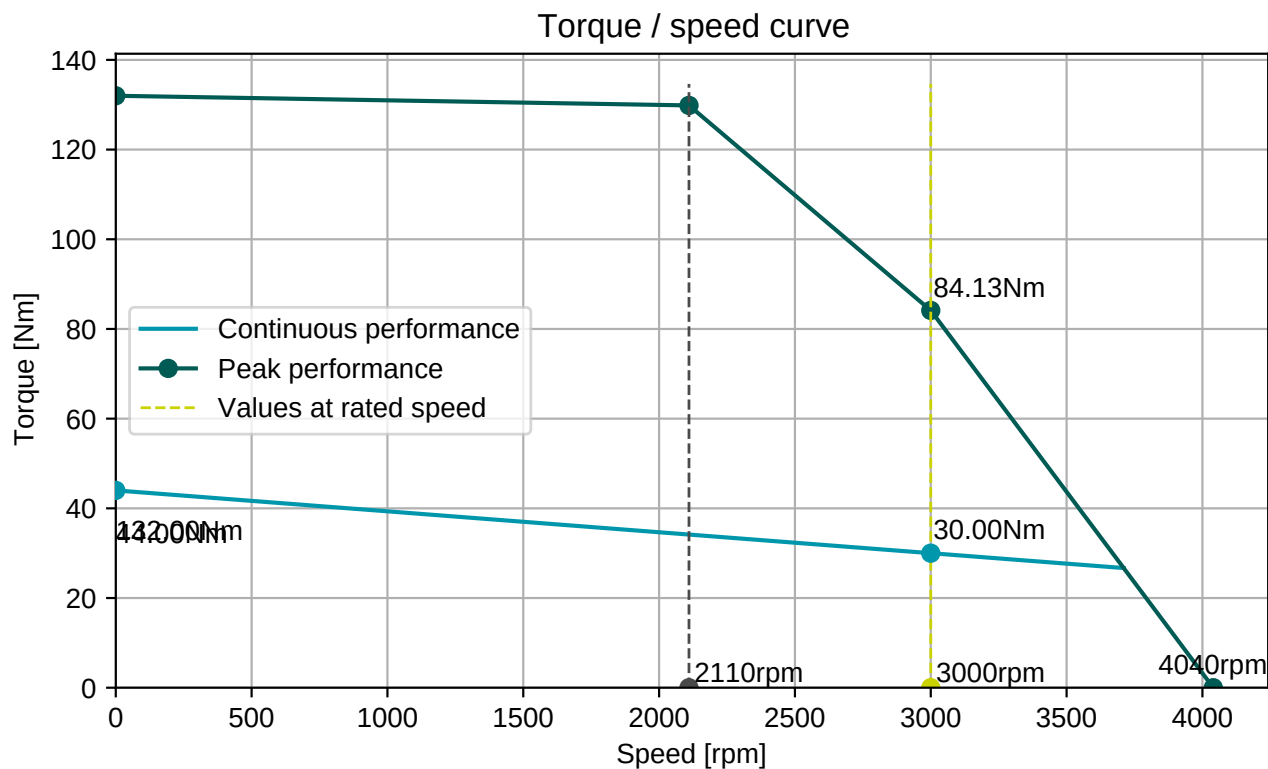
**Mechanical data (setting 48)**

|                         |                      |
|-------------------------|----------------------|
| Max mechanical speed    | 6000 rpm             |
| Mech. time constant     | 0.64 ms              |
| Thermal time constant   | 62 min               |
| Rotor inertia           | 47 kgcm <sup>2</sup> |
| Protection              | IP64                 |
| Color                   | RAL 9005             |
| Cooling                 | Convection           |
| Motor-only mass         | 9.2 kg               |
| Max. axial force 20kh   | 145 N                |
| Max. radial force 20kh  | 761 N*               |
| Max. axial force 100kh  | 85 N                 |
| Max. radial force 100kh | 445 N*               |

\* Defined for point of action at ½ output shaft length

**Sensors**

|             |                                        |
|-------------|----------------------------------------|
| Temperature | PT1000 {PT1000}                        |
| Feedback    | EDM35 (HDSL) multi-turn,<br>20+12 bits |


**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+ |

