

**Engineering data (WIN 932)**

|                                      |                            |
|--------------------------------------|----------------------------|
| DC bus voltage                       | 560 V DC                   |
| Nominal AC voltage                   | 380 V AC (rms)             |
| Rated voltage                        | 269 V AC (rms)             |
| Rated power                          | 5.3 kW                     |
| Rated speed                          | 3000 rpm                   |
| Rated torque                         | 17.00 Nm                   |
| Rated current                        | 13.81 A (rms)              |
| Peak torque                          | 72 Nm                      |
| Peak current                         | 59.6 A (rms)               |
| Stall torque                         | 24 Nm                      |
| Stall current                        | 15.3 A (rms)               |
| No load speed                        | 4000 rpm                   |
| EMF constant ±10%                    | 95 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 1.57 Nm / A<br>(rms)       |
| Torque constant ±10%<br>@ rated load | 1.23 Nm / A<br>(rms)       |
| Number of poles                      | 10                         |
| Electrical time constant             | 13.41 ms                   |
| Winding terminal<br>resistance       | 0.41 Ω                     |
| Rotary field terminal<br>inductance  | 5.5 mH                     |

**Customs info**

|         |          |
|---------|----------|
| HS Code | 85015220 |
|---------|----------|

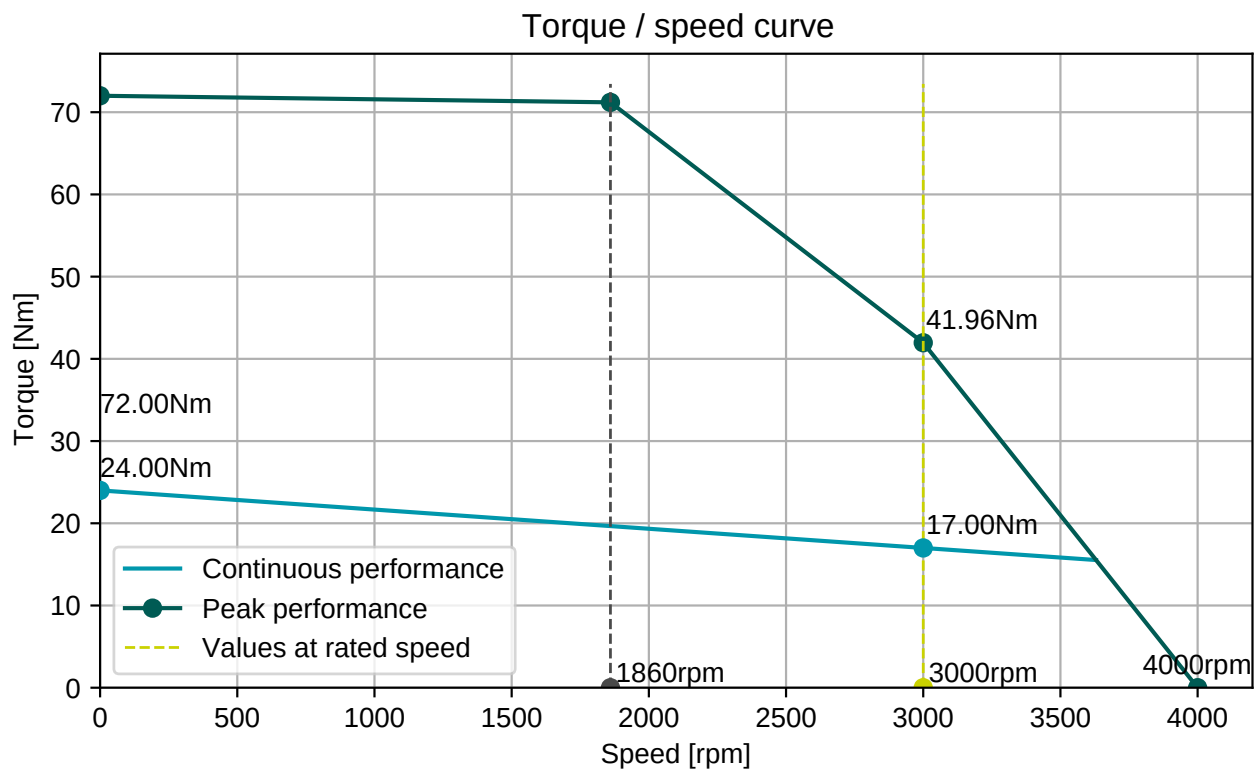
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 6000 rpm               |
| Mech. time constant     | 0.74 ms                |
| Thermal time constant   | 47 min                 |
| Rotor inertia           | 25.6 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 13.8 kg                |
| Max. axial force 20kh   | 130 N                  |
| Max. radial force 20kh  | 684 N*                 |
| Max. axial force 100kh  | 76 N                   |
| Max. radial force 100kh | 400 N*                 |

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

**Sensors**

|             |                                              |
|-------------|----------------------------------------------|
| Temperature | PT1000 {PT1000}                              |
| Feedback    | EKM36 (HDSL) multi-turn,<br>18+12 bits, SIL2 |



**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+ |

