

**Engineering data (WIN 1156)**

|                                      |                              |
|--------------------------------------|------------------------------|
| DC bus voltage                       | 560 V DC                     |
| Nominal AC voltage                   | 380 V AC (rms)               |
| Rated voltage                        | 264 V AC (rms)               |
| Rated power                          | 1.3 kW                       |
| Rated speed                          | 5000 rpm                     |
| Rated torque                         | 2.40 Nm                      |
| Rated current                        | 4.22 A (rms)                 |
| Peak torque                          | 10.2 Nm                      |
| Peak current                         | 18.9 A (rms)                 |
| Stall torque                         | 3.4 Nm                       |
| Stall current                        | 4.15 A (rms)                 |
| No load speed                        | 7600 rpm                     |
| EMF constant ±10%                    | 49.5 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.82 Nm / A<br>(rms)         |
| Torque constant ±10%<br>@ rated load | 0.57 Nm / A<br>(rms)         |
| Number of poles                      | 10                           |
| Electrical time constant             | 4.63 ms                      |
| Winding terminal<br>resistance       | 2.57 Ω                       |
| Rotary field terminal<br>inductance  | 11.9 mH                      |

**Customs info**

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

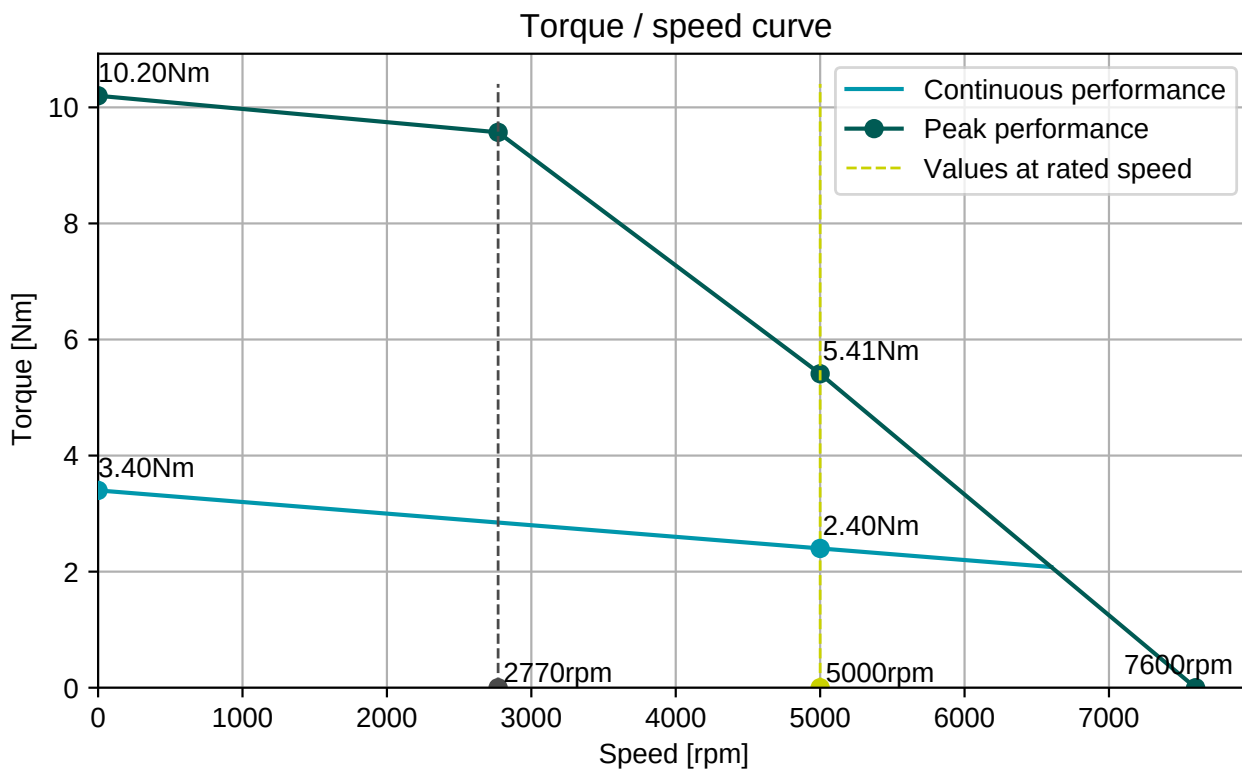
**Mechanical data (setting 48)**

|                         |                        |
|-------------------------|------------------------|
| Max mechanical speed    | 9000 rpm               |
| Mech. time constant     | 1.35 ms                |
| Thermal time constant   | 25 min                 |
| Rotor inertia           | 2.04 kgcm <sup>2</sup> |
| Protection              | IP64                   |
| Color                   | RAL 9005               |
| Cooling                 | Convection             |
| Motor-only mass         | 3.8 kg                 |
| Max. axial force 20kh   | 103 N                  |
| Max. radial force 20kh  | 541 N*                 |
| Max. axial force 100kh  | 60 N                   |
| Max. radial force 100kh | 316 N*                 |

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

**Sensors**

|             |                                   |
|-------------|-----------------------------------|
| Temperature | PT1000 {PT1000}                   |
| Feedback    | EDS35 (HDSL) single-turn, 24 bits |


**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+ |

