

**Engineering data (WIN 1270)**

|                                      |                              |
|--------------------------------------|------------------------------|
| DC bus voltage                       | 560 V DC                     |
| Nominal AC voltage                   | 380 V AC (rms)               |
| Rated voltage                        | 276 V AC (rms)               |
| Rated power                          | 490 W                        |
| Rated speed                          | 6000 rpm                     |
| Rated torque                         | 0.78 Nm                      |
| Rated current                        | 1.27 A (rms)                 |
| Peak torque                          | 4.94 Nm                      |
| Peak current                         | 8.33 A (rms)                 |
| Stall torque                         | 1.3 Nm                       |
| Stall current                        | 1.77 A (rms)                 |
| No load speed                        | 8140 rpm                     |
| EMF constant ±10%                    | 44.5 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 0.734 Nm / A<br>(rms)        |
| Torque constant ±10%<br>@ rated load | 0.614 Nm / A<br>(rms)        |
| Number of poles                      | 10                           |
| Electrical time constant             | 1.44 ms                      |
| Winding terminal<br>resistance       | 9.598 Ω                      |
| Rotary field terminal<br>inductance  | 13.8 mH                      |

**Customs info**

|         |          |
|---------|----------|
| HS Code | 85015100 |
|---------|----------|

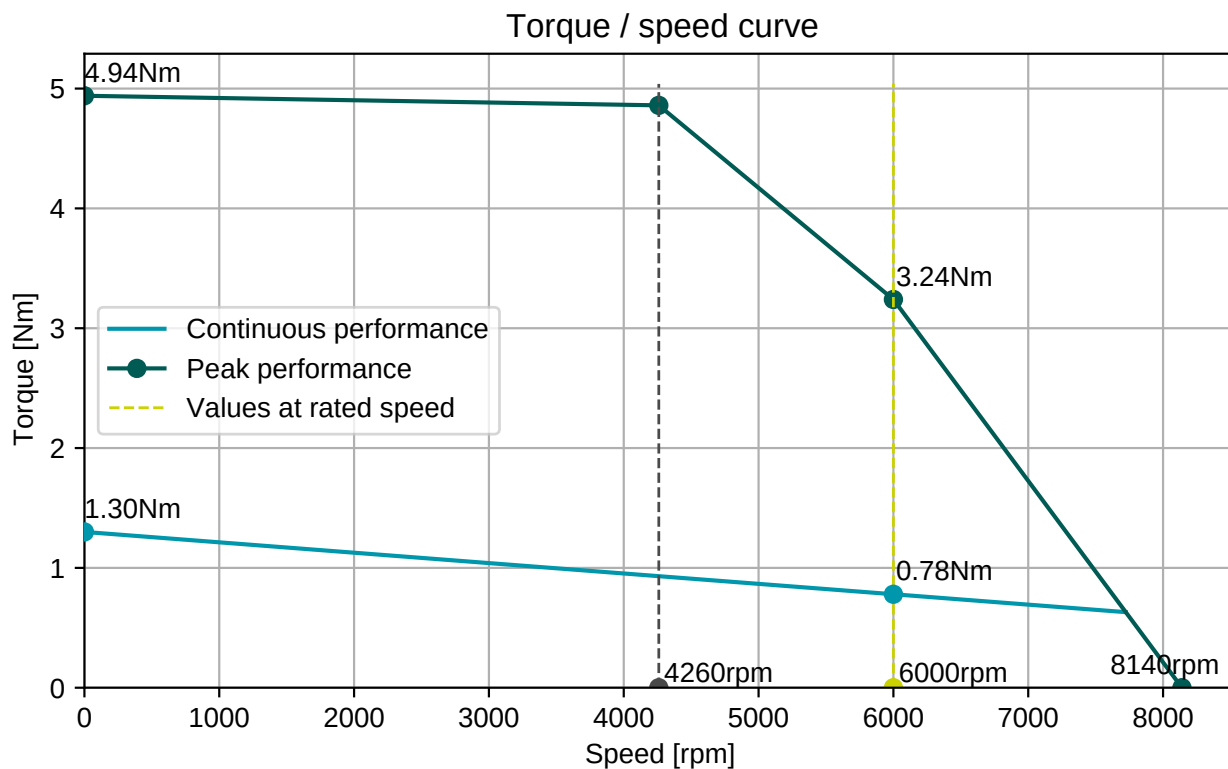
**Mechanical data (setting 48)**

|                         |                       |
|-------------------------|-----------------------|
| Max mechanical speed    | 12000 rpm             |
| Mech. time constant     | 1.53 ms               |
| Thermal time constant   | 24 min                |
| Rotor inertia           | 0.5 kgcm <sup>2</sup> |
| Protection              | IP64                  |
| Color                   | RAL 9005              |
| Cooling                 | Convection            |
| Motor-only mass         | 1.6 kg                |
| Max. axial force 20kh   | 43 N                  |
| Max. radial force 20kh  | 225 N*                |
| Max. axial force 100kh  | 25 N                  |
| Max. radial force 100kh | 131 N*                |

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

**Sensors**

|             |                                        |
|-------------|----------------------------------------|
| Temperature | PT1000 {PT1000}                        |
| Feedback    | EEM37 (HDSL) multi-turn,<br>17+12 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+ |

