

**Engineering data (WIN 1154)**

|                                      |                             |
|--------------------------------------|-----------------------------|
| DC bus voltage                       | 560 V DC                    |
| Nominal AC voltage                   | 380 V AC (rms)              |
| Rated voltage                        | 269 V AC (rms)              |
| Rated power                          | 8.5 kW                      |
| Rated speed                          | 2000 rpm                    |
| Rated torque                         | 40.40 Nm                    |
| Rated current                        | 21.82 A (rms)               |
| Peak torque                          | 150 Nm                      |
| Peak current                         | 78.9 A (rms)                |
| Stall torque                         | 50 Nm                       |
| Stall current                        | 22.7 A (rms)                |
| No load speed                        | 2850 rpm                    |
| EMF constant ±10%                    | 133 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 2.2 Nm / A<br>(rms)         |
| Torque constant ±10%<br>@ rated load | 1.9 Nm / A<br>(rms)         |
| Number of poles                      | 10                          |
| Electrical time constant             | 19.60 ms                    |
| Winding terminal<br>resistance       | 0.25 Ω                      |
| Rotary field terminal<br>inductance  | 4.9 mH                      |

**Customs info**

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

**Mechanical data (setting 48)**

|                         |                      |
|-------------------------|----------------------|
| Max mechanical speed    | 6000 rpm             |
| Mech. time constant     | 0.79 ms              |
| Thermal time constant   | 100 min              |
| Rotor inertia           | 88 kgcm <sup>2</sup> |
| Protection              | IP64                 |
| Color                   | RAL 9005             |
| Cooling                 | Convection           |
| Motor-only mass         | 24 kg                |
| Max. axial force 20kh   | 308 N                |
| Max. radial force 20kh  | 1622 N*              |
| Max. axial force 100kh  | 180 N                |
| Max. radial force 100kh | 949 N*               |

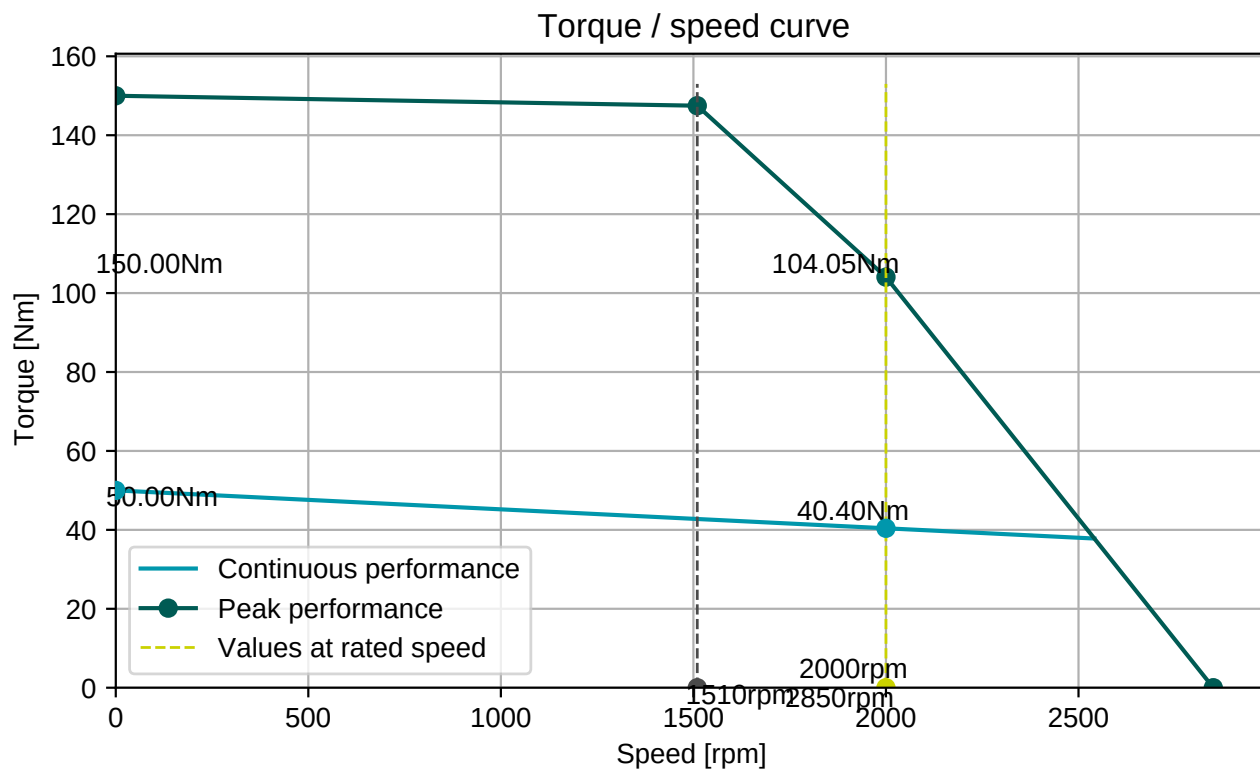
\* Defined for point of action at ½ output shaft length

**Sensors**

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

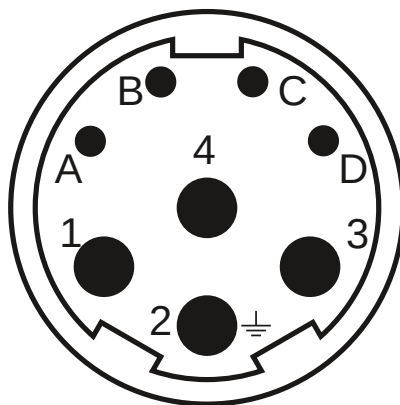
**Brake**

|                |                        |
|----------------|------------------------|
| Braking torque | 36.00 Nm               |
| Voltage        | 24 V DC                |
| Power @20°C    | 26.0 W                 |
| Current @20°C  | 1.08 A                 |
| Inertia        | 6.20 kgcm <sup>2</sup> |
| Mass           | 2.85 kg                |



**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+ |

