

**Engineering motordata (WIN 1262)**

|                                      |                            |
|--------------------------------------|----------------------------|
| DC bus voltage                       | 560 V DC                   |
| Nominal AC voltage                   | 380 V AC (rms)             |
| Rated voltage                        | 252 V AC (rms)             |
| Rated power                          | 1.0 kW                     |
| Rated speed                          | 3000 rpm                   |
| Rated torque                         | 3.20 Nm                    |
| Rated current                        | 2.71 A (rms)               |
| Peak torque                          | 11.1 Nm                    |
| Peak current                         | 12.1 A (rms)               |
| Stall torque                         | 4.05 Nm                    |
| Stall current                        | 3.02 A (rms)               |
| No load speed                        | 4680 rpm                   |
| EMF constant ±10%                    | 81 V AC (rms)<br>/ 1000rpm |
| Theoretical torque<br>constant ±10%  | 1.34 Nm / A<br>(rms)       |
| Torque constant ±10%<br>@ rated load | 1.18 Nm / A<br>(rms)       |
| Number of poles                      | 10                         |
| Electrical time constant             | 5.08 ms                    |
| Winding terminal<br>resistance       | 3.98 Ω                     |
| Rotary field terminal<br>inductance  | 20.2 mH                    |

**Customs info**

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

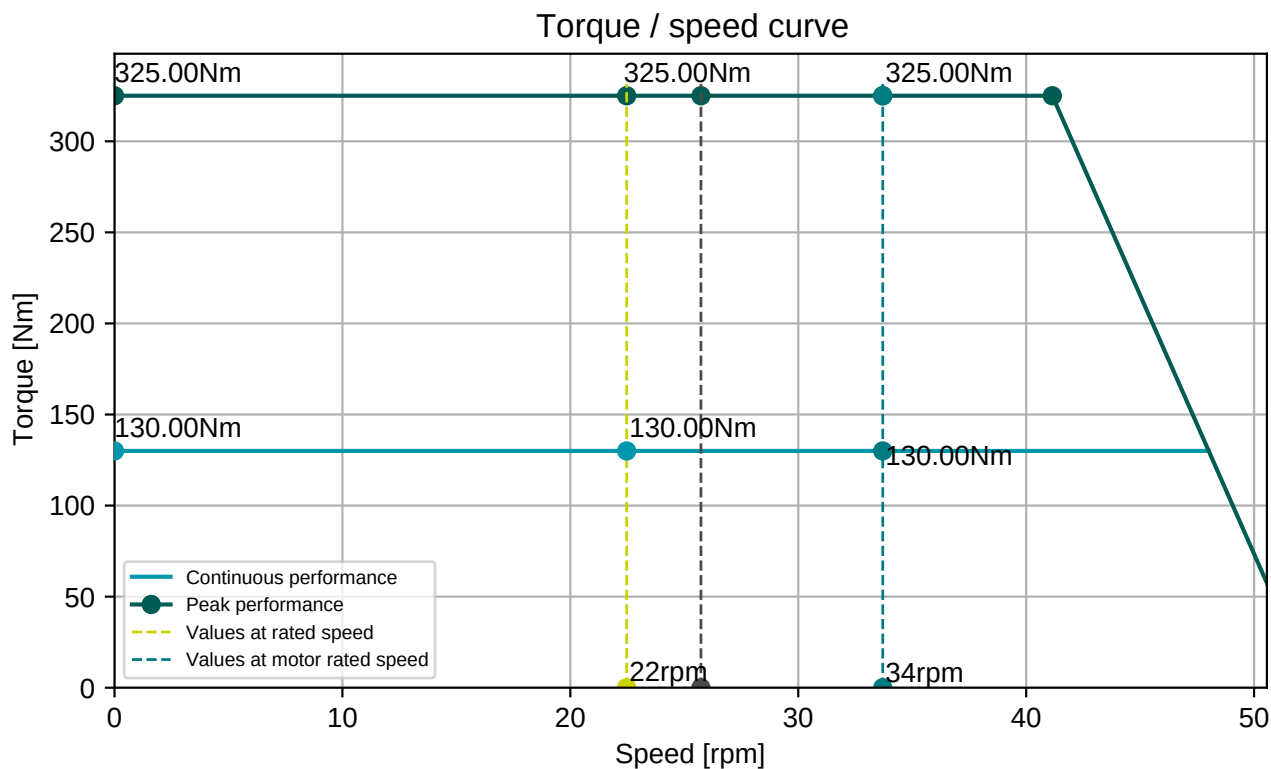
**Mechanical motor data (setting 48)**

|                       |                       |
|-----------------------|-----------------------|
| Max mechanical speed  | 9000 rpm              |
| Mech. time constant   | 0.92 ms               |
| Thermal time constant | 37 min                |
| Rotor inertia         | 2.4 kgcm <sup>2</sup> |
| Protection            | IP64                  |
| Color                 | RAL 9005              |
| Cooling               | Convection            |
| Motor-only mass       | 6 kg                  |

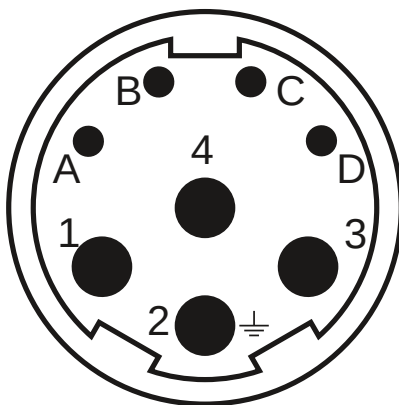
**Sensors**

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

| Gearbox engineering data  |                    | Gearbox mechanical data              |                                |
|---------------------------|--------------------|--------------------------------------|--------------------------------|
| Gear ratio                | 89                 | Max. radial force                    | 9300 N                         |
| Efficiency                | 70 %*              | Max. axial force                     | 13100 N                        |
| Torsional stiffness       | 22 Nm/arcmin       | Output shaft design                  | Flange                         |
| Rated output torque       | 130 Nm             | Mass                                 | 4.2 kg                         |
| Max output torque         | 325 Nm             | Input inertia                        | 0.16 kgcm <sup>2</sup>         |
| Rated input speed         | 2000 rpm           | Protection                           | IP64                           |
| Max input speed           | 4500 rpm           | <b>Actuator data</b>                 |                                |
| Operating temperature     | <-25; 50> °C       | Rated speed                          | 22 rpm                         |
| Max. backlash             | < 1.5 arcmin       | Rated torque                         | 130.00 Nm                      |
| Service life              | 6000 h             | Peak torque                          | 325.00 Nm                      |
| * at rated speed & torque |                    | EMF constant ±10%                    | 7209.0 V AC (rms)<br>/ 1000rpm |
| Lubrication               |                    | Torque constant ±10% @<br>rated load | 73.56 Nm / A<br>(rms)          |
| Type                      | Standard           | Total mass                           | 10.20 kg                       |
| Lubricant                 | Mobil Gear SHC 150 | Output inertia                       | 20277.8 kgcm <sup>2</sup>      |


**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+ |

