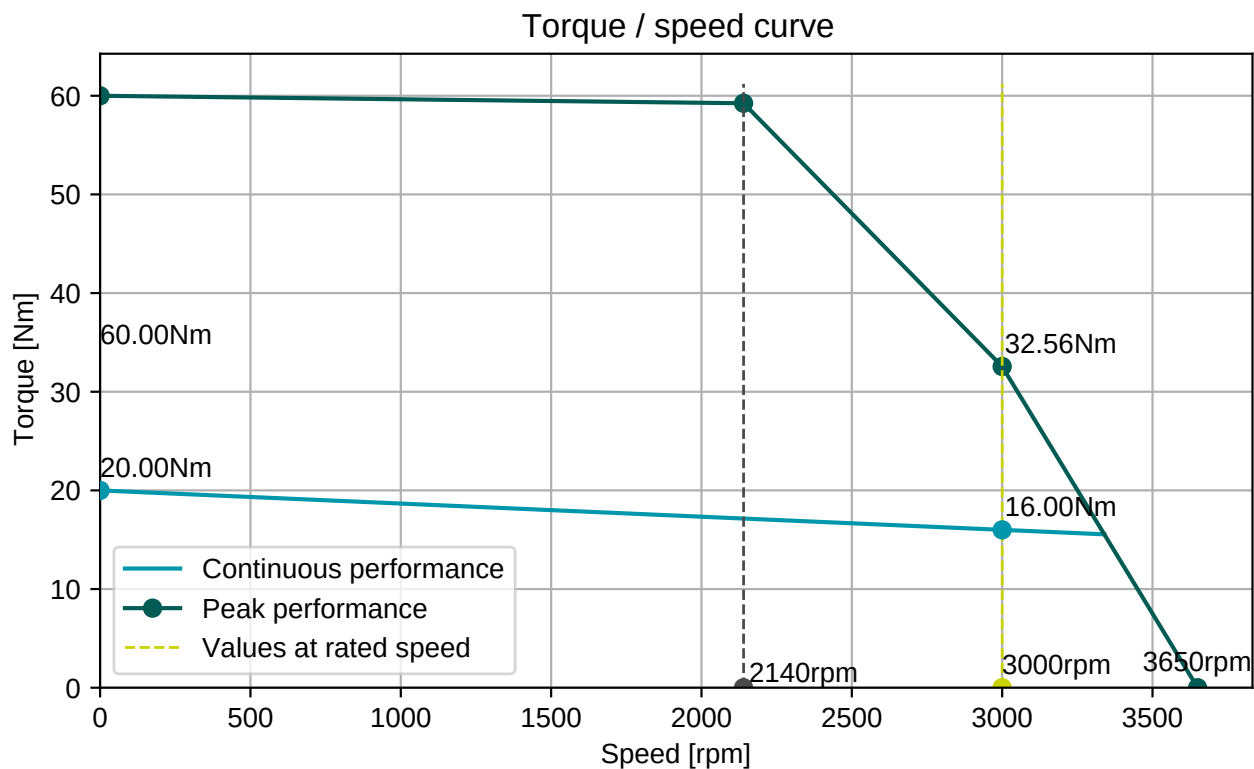
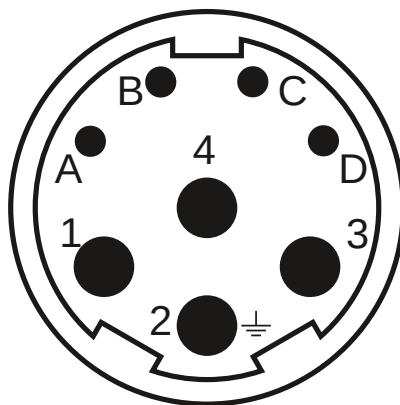


| Engineering data (WIN 733)           |                             | Mechanical data (setting 48)                                                                     |                        |
|--------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|------------------------|
| DC bus voltage                       | 560 V DC                    | Max mechanical speed                                                                             | 9000 rpm               |
| Nominal AC voltage                   | 380 V AC (rms)              | Mech. time constant                                                                              | 0.62 ms                |
| Rated voltage                        | 297 V AC (rms)              | Thermal time constant                                                                            | 65 min                 |
| Rated power                          | 5.0 kW                      | Rotor inertia                                                                                    | 15.1 kgcm <sup>2</sup> |
| Rated speed                          | 3000 rpm                    | Protection                                                                                       | IP64                   |
| Rated torque                         | 16.00 Nm                    | Color                                                                                            | RAL 9005               |
| Rated current                        | 11.5 A (rms)                | Cooling                                                                                          | Convection             |
| Peak torque                          | 60 Nm                       | Motor-only mass                                                                                  | 11.2 kg                |
| Peak current                         | 39.8 A (rms)                | Max. axial force 20kh                                                                            | 142 N                  |
| Stall torque                         | 20 Nm                       | Max. radial force 20kh                                                                           | 746 N*                 |
| Stall current                        | 11.6 A (rms)                | Max. axial force 100kh                                                                           | 83 N                   |
| No load speed                        | 3650 rpm                    | Max. radial force 100kh                                                                          | 436 N*                 |
| EMF constant ±10%                    | 104 V AC (rms)<br>/ 1000rpm | * Defined for point of action at ½ output shaft length                                           |                        |
| Theoretical torque constant ±10%     | 1.72 Nm / A<br>(rms)        |                                                                                                  |                        |
| Torque constant ±10%<br>@ rated load | 1.39 Nm / A<br>(rms)        | <b>Sensors</b><br>Temperature PT1000 {PT1000}<br>Feedback EDM35 (HDSL) multi-turn,<br>20+12 bits |                        |
| Number of poles                      | 10                          |                                                                                                  |                        |
| Electrical time constant             | 8.99 ms                     |                                                                                                  |                        |
| Winding terminal resistance          | 0.701 Ω                     |                                                                                                  |                        |
| Rotary field terminal inductance     | 6.3 mH                      |                                                                                                  |                        |
| Customs info                         |                             |                                                                                                  |                        |
| HS Code                              | 85015220                    |                                                                                                  |                        |



**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+ |

