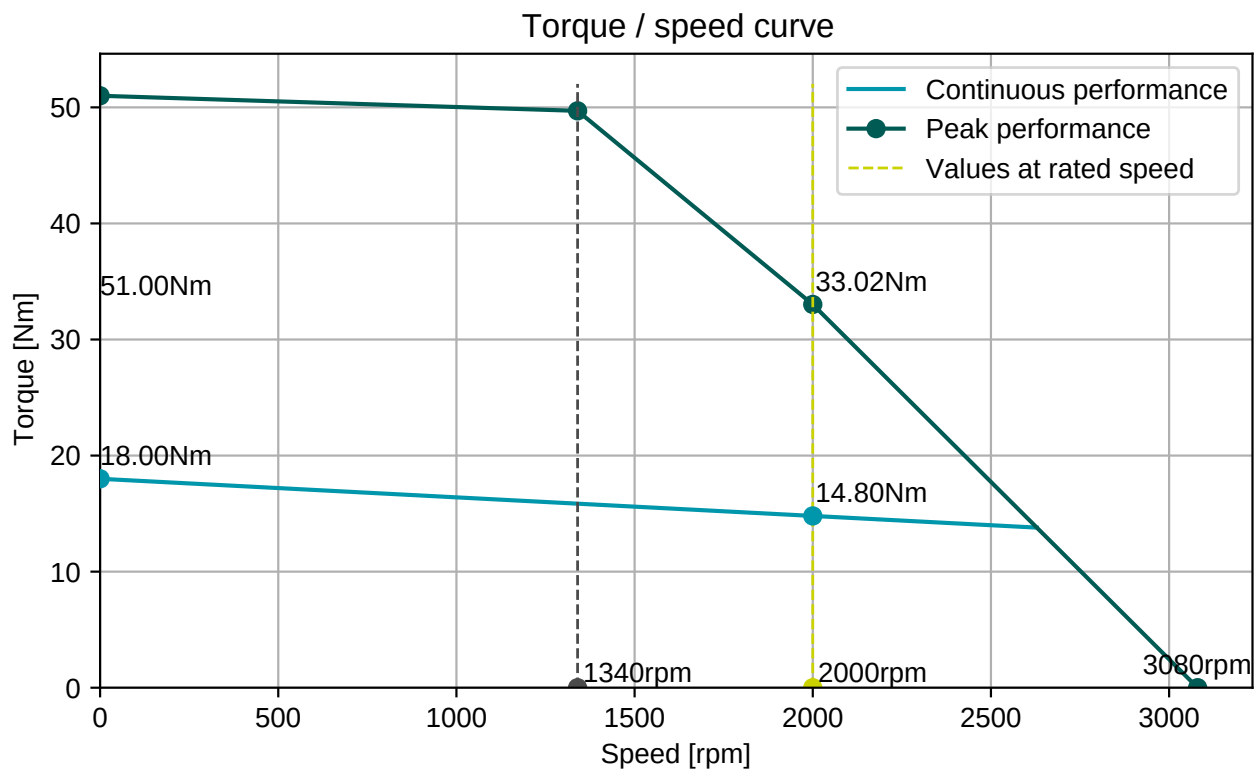


| Engineering data (WIN 976)           |                                         | Mechanical data (setting 48)                                                                                                                                                        |            |         |  |             |                 |          |                                         |
|--------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--|-------------|-----------------|----------|-----------------------------------------|
| DC bus voltage                       | 560 V DC                                | Max mechanical speed                                                                                                                                                                | 6000 rpm   |         |  |             |                 |          |                                         |
| Nominal AC voltage                   | 380 V AC (rms)                          | Mech. time constant                                                                                                                                                                 | 0.92 ms    |         |  |             |                 |          |                                         |
| Rated voltage                        | 269 V AC (rms)                          | Thermal time constant                                                                                                                                                               | 42 min     |         |  |             |                 |          |                                         |
| Rated power                          | 3.1 kW                                  | Rotor inertia                                                                                                                                                                       | 18.5 kgcm² |         |  |             |                 |          |                                         |
| Rated speed                          | 2000 rpm                                | Protection                                                                                                                                                                          | IP64       |         |  |             |                 |          |                                         |
| Rated torque                         | 14.80 Nm                                | Color                                                                                                                                                                               | RAL 9005   |         |  |             |                 |          |                                         |
| Rated current                        | 8.56 A (rms)                            | Cooling                                                                                                                                                                             | Convection |         |  |             |                 |          |                                         |
| Peak torque                          | 51 Nm                                   | Motor-only mass                                                                                                                                                                     | 9.2 kg     |         |  |             |                 |          |                                         |
| Peak current                         | 32.9 A (rms)                            | Max. axial force 20kh                                                                                                                                                               | 139 N      |         |  |             |                 |          |                                         |
| Stall torque                         | 18 Nm                                   | Max. radial force 20kh                                                                                                                                                              | 729 N*     |         |  |             |                 |          |                                         |
| Stall current                        | 8.8 A (rms)                             | Max. axial force 100kh                                                                                                                                                              | 81 N       |         |  |             |                 |          |                                         |
| No load speed                        | 3080 rpm                                | Max. radial force 100kh                                                                                                                                                             | 427 N*     |         |  |             |                 |          |                                         |
| EMF constant ±10%                    | 123 V AC (rms)<br>/ 1000rpm             | * Defined for point of action at ½ output shaft length                                                                                                                              |            |         |  |             |                 |          |                                         |
| Theoretical torque constant ±10%     | 2.03 Nm / A (rms)                       |                                                                                                                                                                                     |            |         |  |             |                 |          |                                         |
| Torque constant ±10%<br>@ rated load | 1.73 Nm / A (rms)                       | <table><tr><th colspan="2">Sensors</th></tr><tr><td>Temperature</td><td>PT1000 {PT1000}</td></tr><tr><td>Feedback</td><td>EKS36 (HDSL) single-turn, 18 bits, SIL2</td></tr></table> |            | Sensors |  | Temperature | PT1000 {PT1000} | Feedback | EKS36 (HDSL) single-turn, 18 bits, SIL2 |
| Sensors                              |                                         |                                                                                                                                                                                     |            |         |  |             |                 |          |                                         |
| Temperature                          | PT1000 {PT1000}                         |                                                                                                                                                                                     |            |         |  |             |                 |          |                                         |
| Feedback                             | EKS36 (HDSL) single-turn, 18 bits, SIL2 |                                                                                                                                                                                     |            |         |  |             |                 |          |                                         |
| Number of poles                      | 10                                      |                                                                                                                                                                                     |            |         |  |             |                 |          |                                         |
| Electrical time constant             | 11.51 ms                                |                                                                                                                                                                                     |            |         |  |             |                 |          |                                         |
| Winding terminal resistance          | 1.19 Ω                                  |                                                                                                                                                                                     |            |         |  |             |                 |          |                                         |
| Rotary field terminal inductance     | 13.7 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+ |

