| Engineering data (WIN 976) | | |
|---|---|---|
| DC bus voltage | 560 | V DC |
| Nominal AC voltage | 380 | V AC (rms) |
| Rated voltage | 269 | V AC (rms) |
| Rated power | 3.1 | kW |
| Rated speed | 2000 | rpm |
| Rated torque | 14.80 | Nm |
| Rated current | 8.56 | A (rms) |
| Peak torque | 51 | Nm |
| Peak current | 32.9 | A (rms) |
| Stall torque | 18 | Nm |
| Stall current | 8.8 | A (rms) |
| No load speed | 3080 | rpm |
| EMF constant ±10% | 123 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 2.03 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 1.73 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 11.51 | ms |
| Winding terminal resistance | 1.19 | Ω |
| Rotary field terminal inductance | 13.7 | mH |

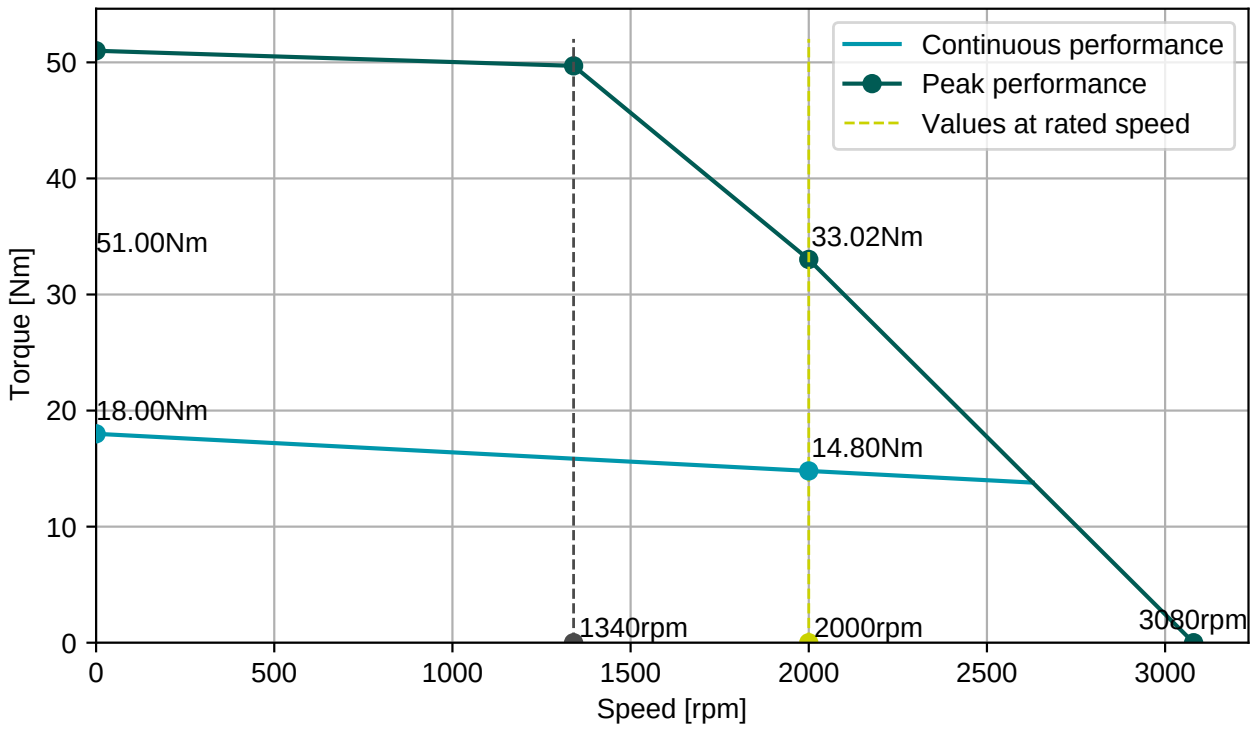
| Customs info | |
|---|---|
| HS Code | 85015220 |

| Mechanical data (setting 48) | | |
|---|---|---|
| Max mechanical speed | 6000 | rpm |
| Mech. time constant | 0.92 | ms |
| Thermal time constant | 42 | min |
| Rotor inertia | 18.5 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 9.2 | kg |
| Max. axial force 20kh | 139 | N |
| Max. radial force 20kh* | 729 | N |
| Max. axial force 100kh | 81 | N |
| Max. radial force 100kh* | 427 | N |

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

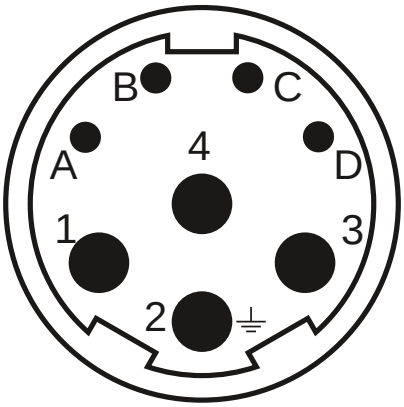
| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | EKS36 (HDSL) single-turn, 18 bits, SIL2 |

Torque / speed curve

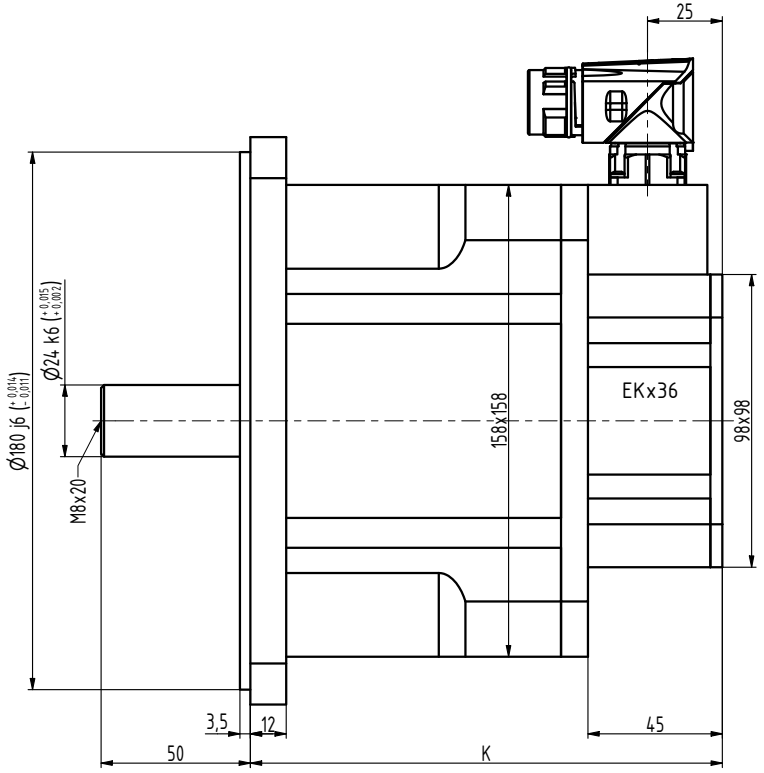


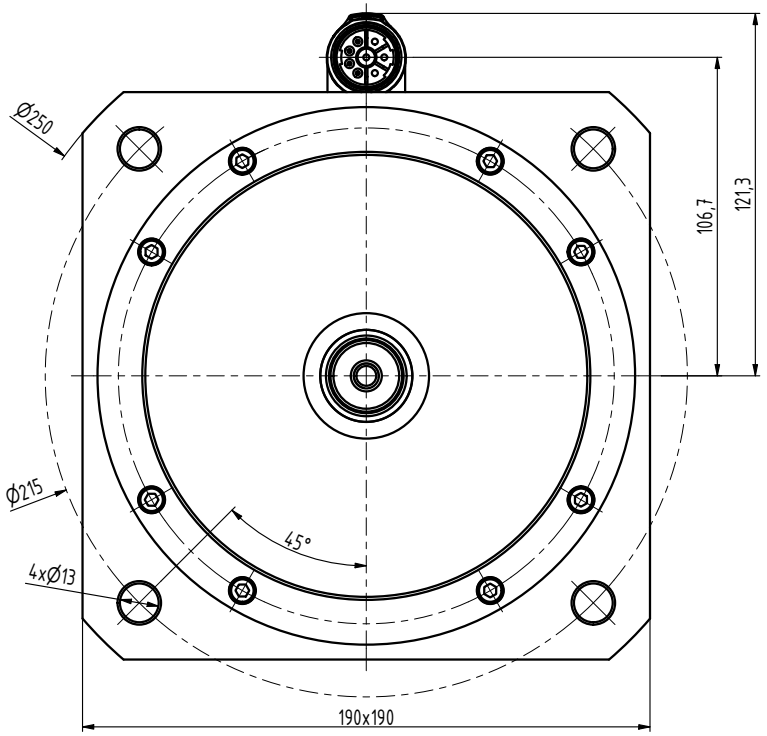

**BGC110N00001216000**

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+ |




| TYP | K |
|---|---|
| N6-1800 | 158 |
| N6-2400 | 183 |
| N6-3000 | 208 |
| N6-3800 | 233 |
| N6-4400 | 258 |

| INDEX | ZMĚNA | DATUM | PODPIS | | |
|---|---|---|---|---|---|
| ZN.MAT. | | | T.O. | HMOTNOST kg | MĚŘ. |
| ROZM.-POLOT. | | | | | |
| POM. ZAŘ. | | | | ČSN | TŘ.Č. |
| VYPR. Ošlejšek | | NORM.REF. | | POZN. | Č. KUSOVNÍKU |
| PŘEKR. | | | | | |
| TECHNOL. | | SCHVÁLIL Ošlejšek | 19.09.2021 | STARÝ V. | Č.V. |
| NÁZEV | Motor N6 | | | N6028 04 Z_S4_S1 | |
| | | | | Listů | List |