| 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) / 1000rpm |
| Theoretical torque constant ±10% | 2.2 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 1.9 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 19.60 | ms |
| Winding terminal resistance | 0.25 | Ω |
| Rotary field terminal inductance | 4.9 | mH |

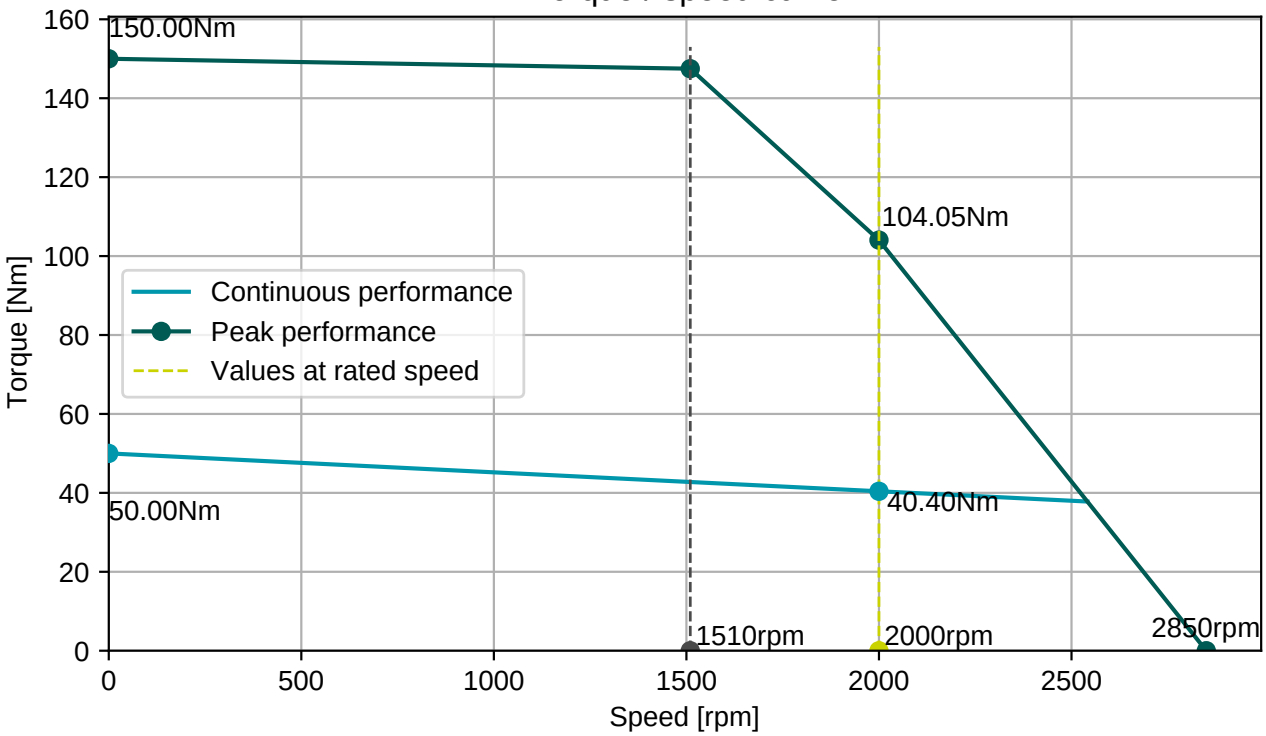
| Customs info | |
|---|---|
| HS Code | 85015230 |

| Mechanical data (setting 48) | | |
|---|---|---|
| Max mechanical speed | 6000 | rpm |
| Mech. time constant | 0.79 | ms |
| Thermal time constant | 100 | min |
| Rotor inertia | 88 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 24 | kg |
| Max. axial force 20kh | 293 | N |
| Max. radial force 20kh* | 1541 | N |
| Max. axial force 100kh | 171 | N |
| Max. radial force 100kh* | 901 | N |

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

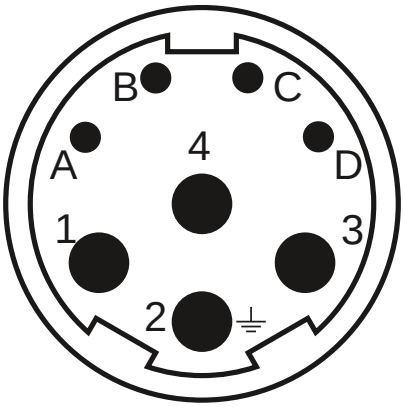
| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | EKM36 (HDSL) multi-turn, 17 + 12 bits |

Torque / speed curve

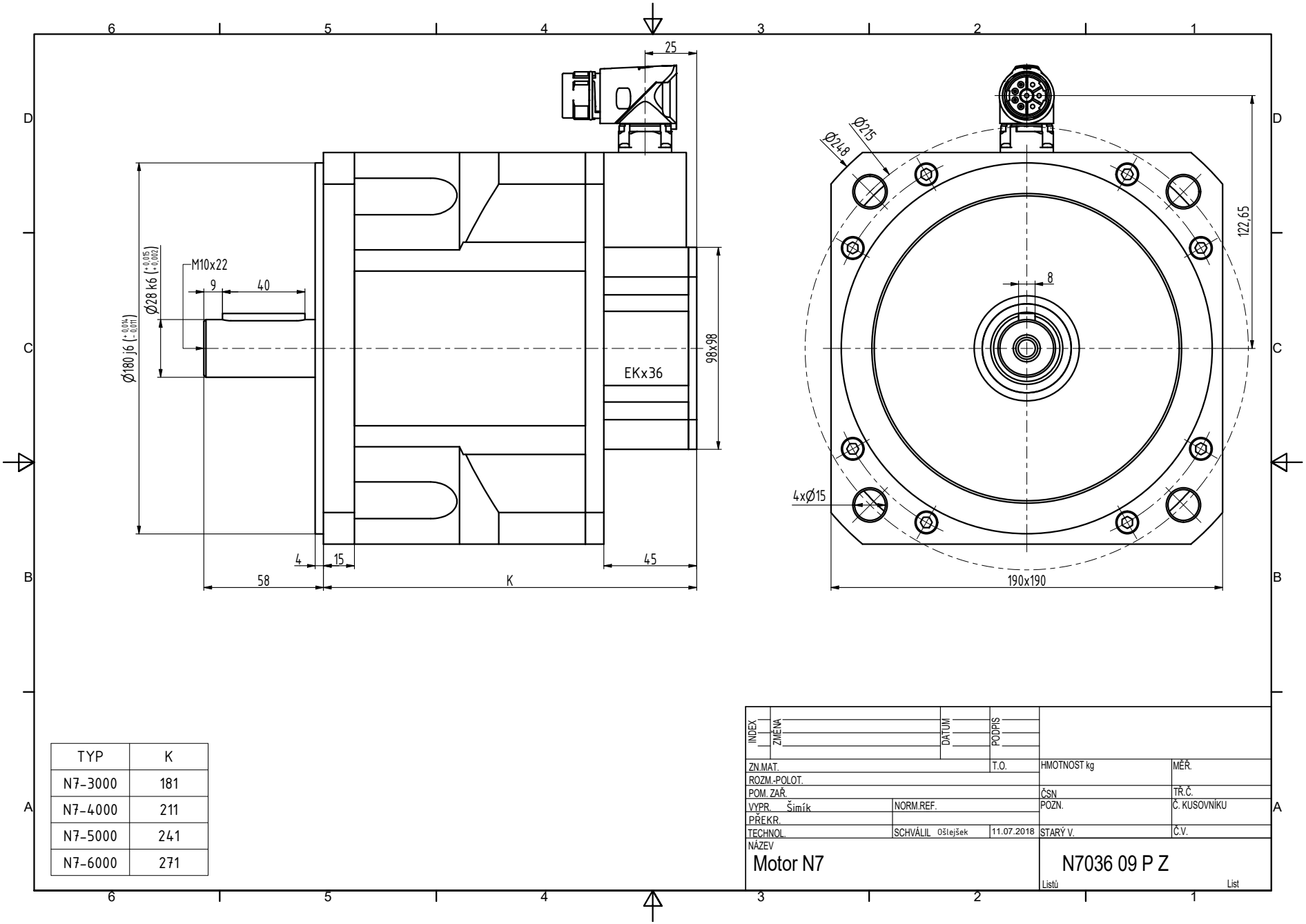



**BGC110N00001216000**

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 |
|---|---|
| N7-3000 | 181 |
| N7-4000 | 211 |
| N7-5000 | 241 |
| N7-6000 | 271 |

| INDEX | ZMĚNA | DATUM | PODPIS | | |
|---|---|---|---|---|---|
| ZN.MAT. | | | T.O. | HMOTNOST kg | MĚŘ. |
| ROZM.-POLOT. | | | | | |
| POM. ZAŘ. | | | | ČSN | TŘ.Č. |
| VYPR. Šimík | | NORM.REF. | | POZN. | Č. KUSOVNÍKU |
| PŘEKR. | | | | | |
| TECHNOL. | | SCHVÁLIL Ošlejšek | 11.07.2018 | STARÝ V. | Č.V. |
| NÁZEV | | | | | |
| Motor N7 | | | | N7036 09 P Z | |
| | | | | Listů | List |