| Engineering data (WIN 1165) | | |
|---|---|---|
| DC bus voltage | 560 | V DC |
| Nominal AC voltage | 380 | V AC (rms) |
| Rated voltage | 349 | V AC (rms) |
| Rated power | 8.6 | kW |
| Rated speed | 3000 | rpm |
| Rated torque | 27.30 | Nm |
| Rated current | 16.18 | A (rms) |
| Peak torque | 180 | Nm |
| Peak current | 101.8 | A (rms) |
| Stall torque | 60 | Nm |
| Stall current | 30 | A (rms) |
| No load speed | 3140 | rpm |
| EMF constant ±10% | 125 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 2.067 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 1.687 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 18.75 | ms |
| Winding terminal resistance | 0.16 | Ω |
| Rotary field terminal inductance | 3 | mH |

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

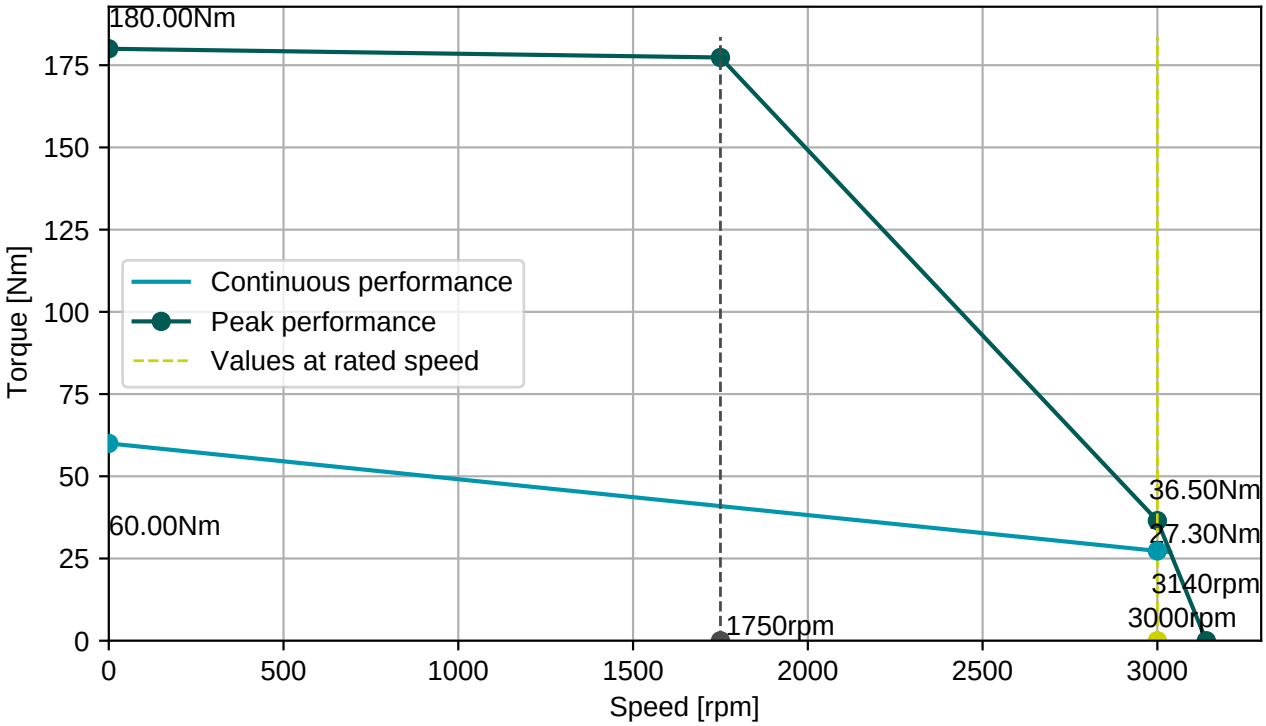
| Mechanical data (setting 16) | | |
|---|---|---|
| Max mechanical speed | 6000 | rpm |
| Mech. time constant | 0.69 | ms |
| Thermal time constant | 108 | min |
| Rotor inertia | 107 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 33.5 | kg |
| Max. axial force 20kh | 274 | N |
| Max. radial force 20kh* | 1443 | N |
| Max. axial force 100kh | 160 | N |
| Max. radial force 100kh* | 844 | N |

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

| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | SRS50 (Hiperface) single-turn, 1024 sin/cos+12bits |

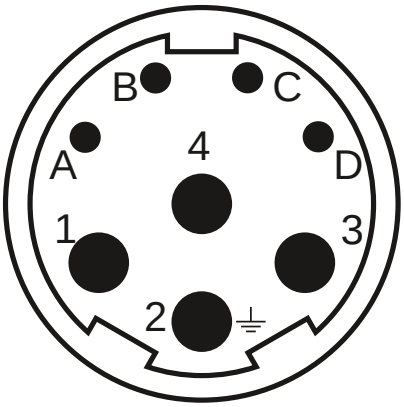
| Brake | | |
|---|---|---|
| Braking torque | 36.00 | Nm |
| Voltage | 24 | V DC |
| Power @20°C | 26.0 | W |
| Current @20°C | 1.08 | A |
| Inertia | 6.20 | kgcm² |
| Mass | 2.85 | kg |

Torque / speed curve



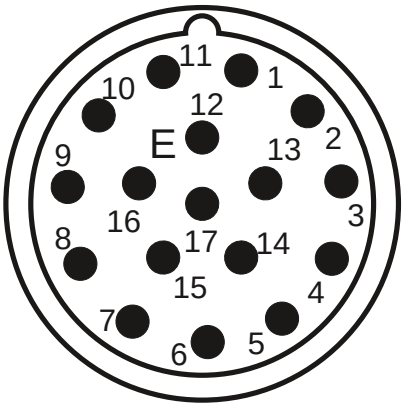

**BGC110N00001216000**

M23, 8 poles, rotary



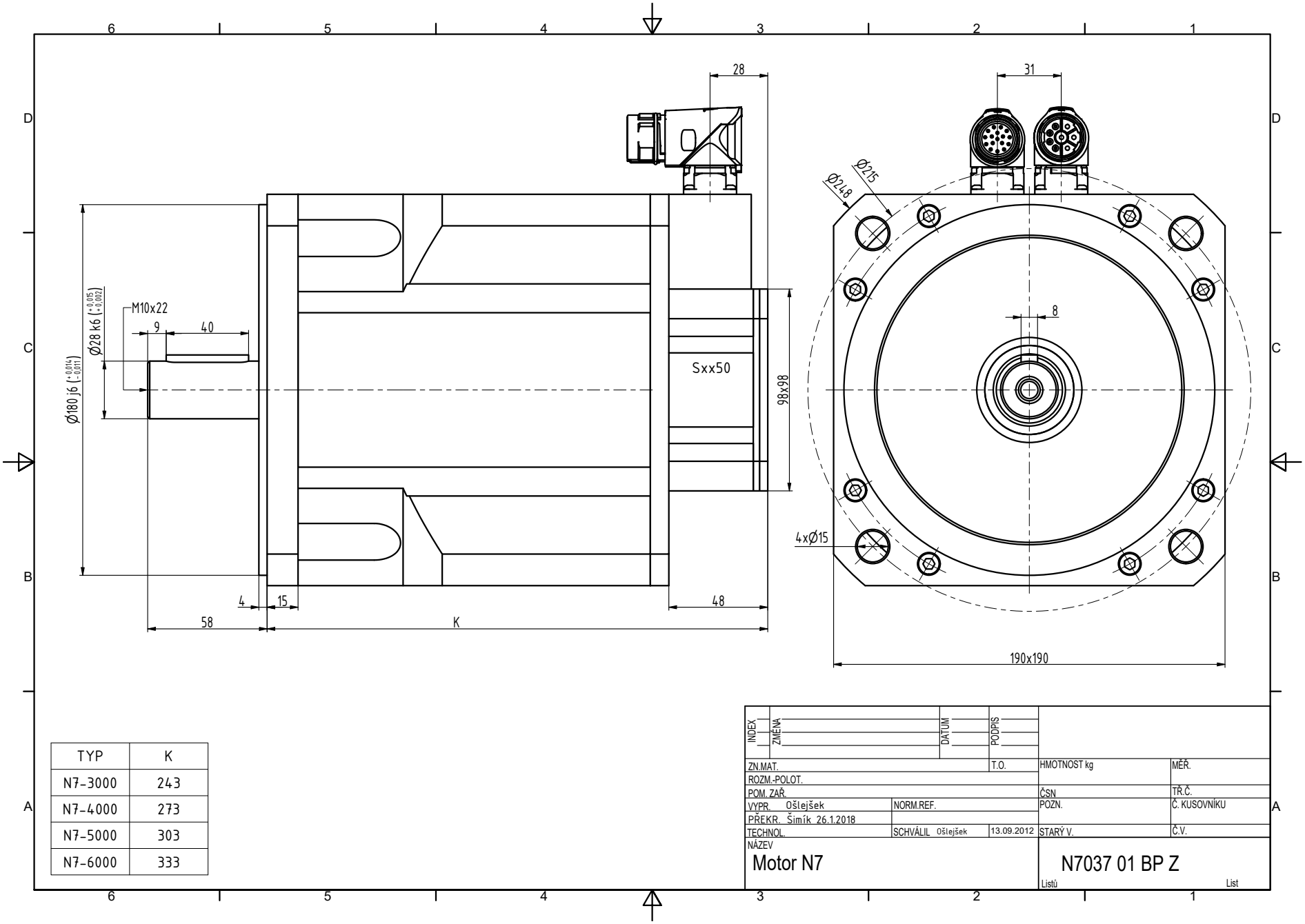

**AGC113N00001215000**

M23, 17 poles, rotary




| Connector 1 (9) | |
|---|---|
| **1** | U |
| **4** | V |
| **3** | W |
| **2** | PE |
| **A** | Brake+ |
| **B** | Brake- |
| **C** | |
| **D** | |

| Connector 2 (130) | |
|---|---|
| **1/9** | SIN/REFSIN |
| **3/11** | COS/REFCOS |
| **5/13** | DATA/DATA- |
| **4/2** | Us/GND |
| **14/7** | Therm |




| TYP | K |
|---|---|
| N7-3000 | 243 |
| N7-4000 | 273 |
| N7-5000 | 303 |
| N7-6000 | 333 |

| 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. Šimík 26.1.2018 | | | | |
| TECHNOL. | SCHVÁLIL Ošlejšek | 13.09.2012 | STARÝ V. | Č.V. |

NÁZEV
Motor N7

N7037 01 BP Z

Listů List