| Engineering data (WIN -100090) | | |
|---|---|---|
| DC bus voltage | 48 | V DC |
| Nominal AC voltage | 33 | V AC (rms) |
| Rated voltage | 25 | V AC (rms) |
| Rated power | 251 | W |
| Rated speed | 1500 | rpm |
| Rated torque | 1.60 | Nm |
| Rated current | 8.2 | A (rms) |
| Peak torque | 6.65 | Nm |
| Peak current | 36.03 | A (rms) |
| Stall torque | 1.75 | Nm |
| Stall current | 8.14 | A (rms) |
| No load speed | 2510 | rpm |
| EMF constant ±10% | 13 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 0.22 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 0.20 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 1.42 | ms |
| Winding terminal resistance | 0.549 | Ω |
| Rotary field terminal inductance | 0.78 | mH |

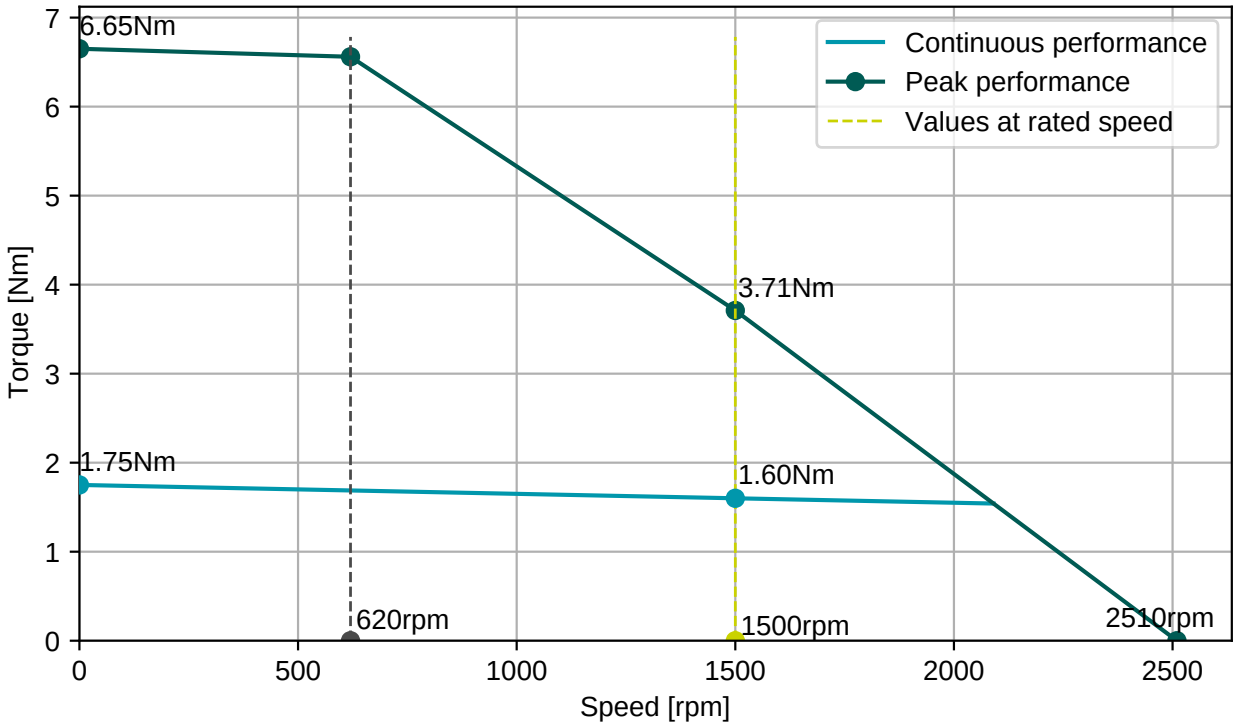
| Customs info | |
|---|---|
| HS Code | 85015100 |

| Mechanical data (setting 29) | | |
|---|---|---|
| Max mechanical speed | 12000 | rpm |
| Mech. time constant | 1.40 | ms |
| Thermal time constant | 28 | min |
| Rotor inertia | 0.68 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 2.2 | kg |

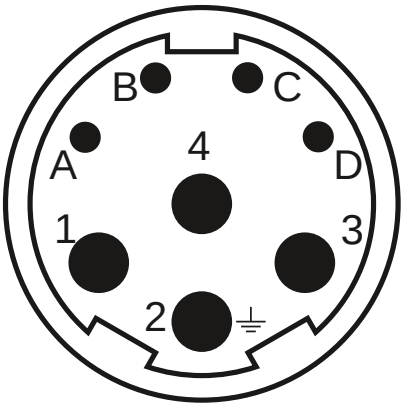
| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits |

| Brake | | |
|---|---|---|
| Braking torque | 4.50 | Nm |
| Voltage | 24 | V DC |
| Power @20°C | 12.0 | W |
| Current @20°C | 0.50 | A |
| Inertia | 0.20 | kgcm² |
| Mass | 0.47 | kg |

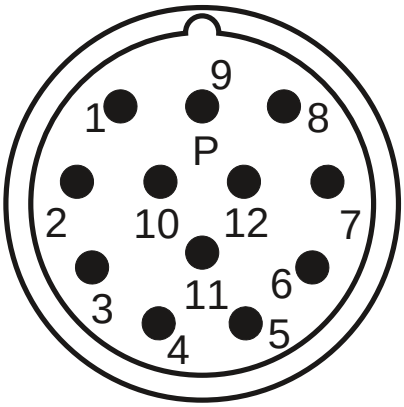
Torque / speed curve




**BGC110N00001216000**
M23, 8 poles, rotary

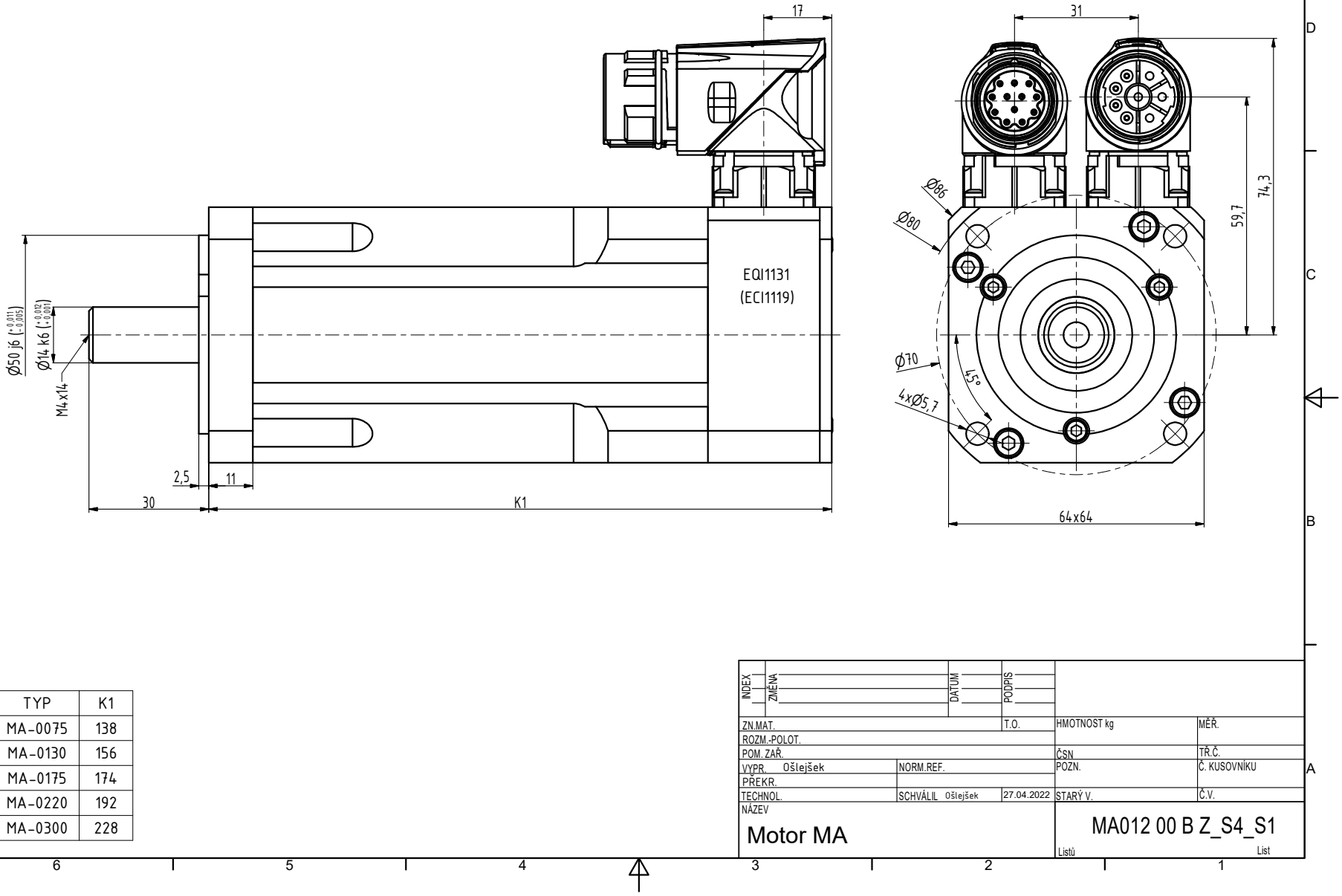



**AGC113N00001215000**
M23, 17 poles, rotary




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

| Connector 2 (293) | |
|---|---|
| **1** | Vcc (+5V) |
| **2** | GND |
| **3** | DATA |
| **4** | DATA- |
| **5** | CLOCK |
| **6** | CLOCK- |
| **7** | Therm+ |
| **8** | Therm- |
| **9** | Vcc sensor |
| **10** | GND sensor |




| TYP | K1 |
|---|---|
| MA-0075 | 138 |
| MA-0130 | 156 |
| MA-0175 | 174 |
| MA-0220 | 192 |
| MA-0300 | 228 |

| 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 | 27.04.2022 | STARÝ V. | Č.V. |

NÁZEV

Motor MA

MA012 00 B Z_S4_S1

Listů List