| Engineering data (WIN 1439) | | |
|---|---|---|
| DC bus voltage | 320 | V DC |
| Nominal AC voltage | 220 | V AC (rms) |
| Rated voltage | 165 | V AC (rms) |
| Rated power | 490 | W |
| Rated speed | 6000 | rpm |
| Rated torque | 0.78 | Nm |
| Rated current | 2.06 | A (rms) |
| Peak torque | 4.94 | Nm |
| Peak current | 13.5 | A (rms) |
| Stall torque | 1.3 | Nm |
| Stall current | 2.86 | A (rms) |
| No load speed | 7970 | rpm |
| EMF constant ±10% | 27.5 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 0.455 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 0.379 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 1.34 | ms |
| Winding terminal resistance | 3.99 | Ω |
| Rotary field terminal inductance | 5.35 | mH |

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

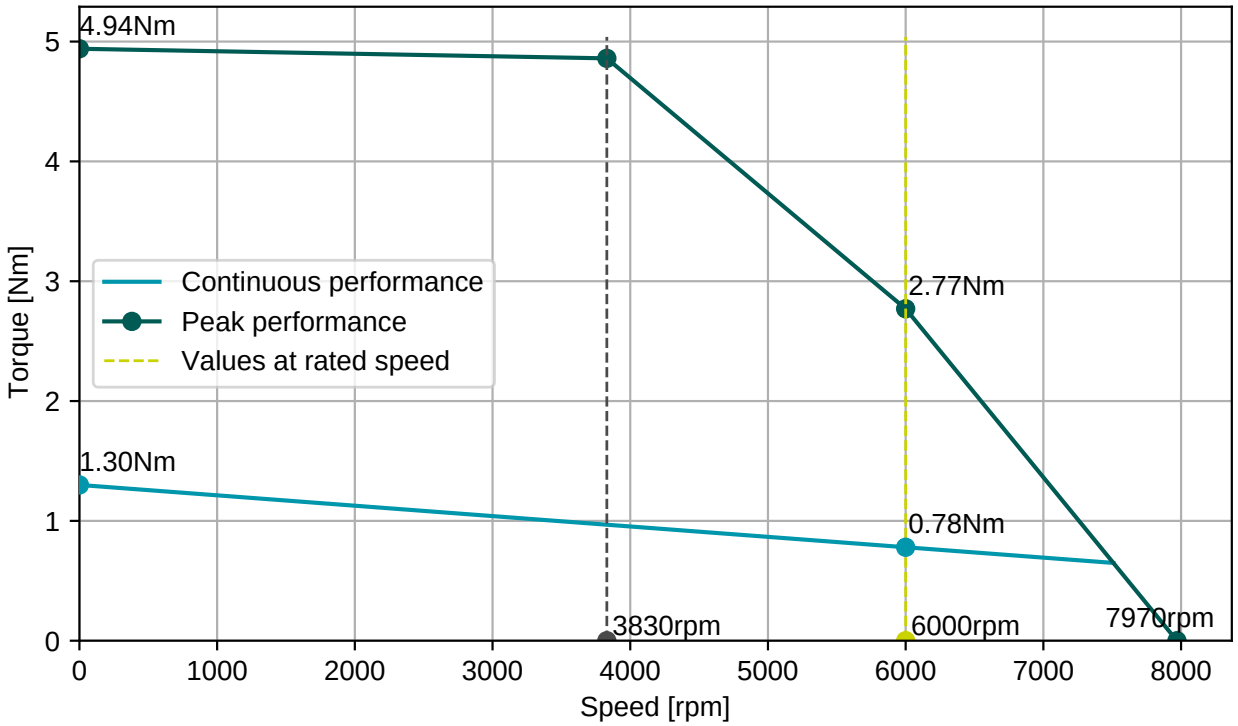
| Mechanical data (setting 49) | | |
|---|---|---|
| Max mechanical speed | 12000 | rpm |
| Mech. time constant | 1.67 | ms |
| Thermal time constant | 24 | min |
| Rotor inertia | 0.5 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 2.1 | kg |
| Max. axial force 20kh | 45 | N |
| Max. radial force 20kh* | 237 | N |
| Max. axial force 100kh | 26 | N |
| Max. radial force 100kh* | 139 | N |

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

| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits |

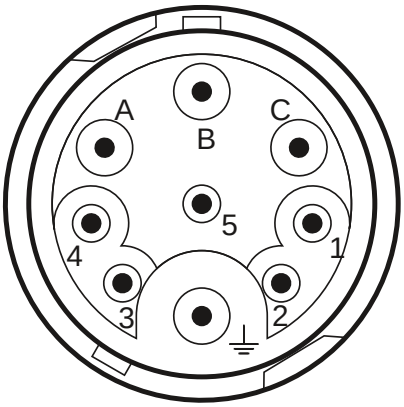
| Brake | | |
|---|---|---|
| Braking torque | 4.50 | Nm |
| Voltage | 24 | V DC |
| Power @20°C | 12.0 | W |
| Current @20°C | 0.50 | A |
| Inertia | 0.20 | kgcm² |
| Mass | 0.47 | kg |

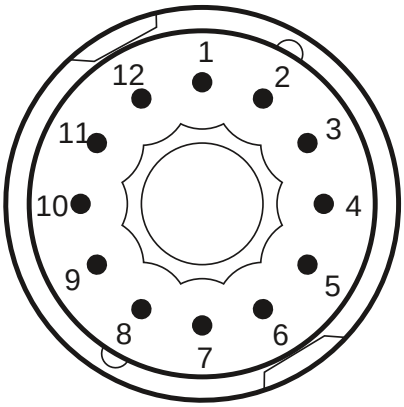
Torque / speed curve




**EGA101N00000001000**

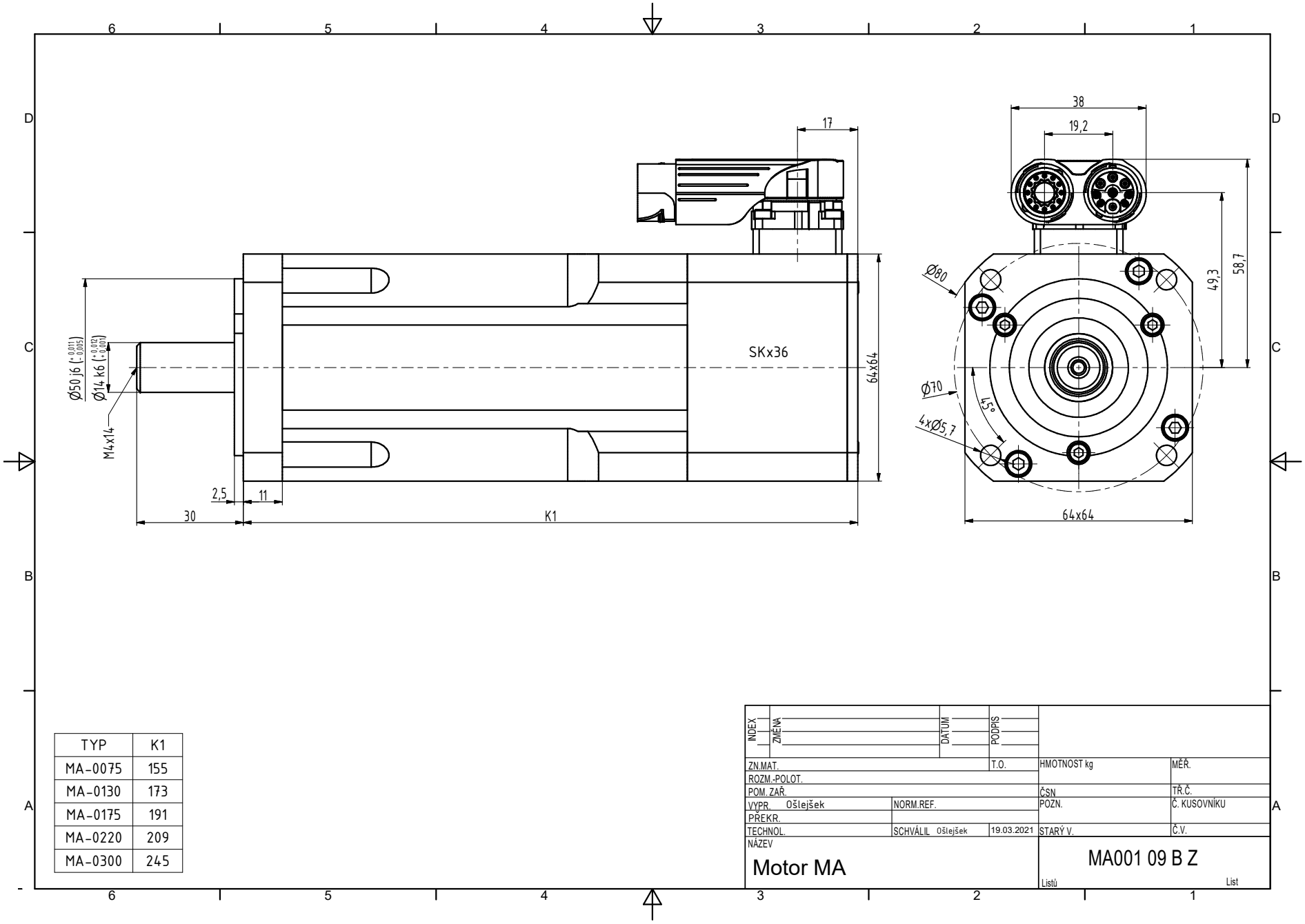
2x M15, 9 and 12 poles rotary




| Connector 1 (226) | |
|---|---|
| **A** | U |
| **B** | V |
| **C** | W |
| **PE** | PE |
| **1** | Brake+ |
| **2** | Brake- |

| Connector 2 (208) | |
|---|---|
| **1** | Us |
| **2** | GND |
| **3** | + COS |
| **4** | REFCOS |
| **5** | REFSIN |
| **6** | + SIN |
| **7** | Therm+ |
| **8** | Therm- |
| **9** | Data + |
| **10** | Data - |




| TYP | K1 |
|---|---|
| MA-0075 | 155 |
| MA-0130 | 173 |
| MA-0175 | 191 |
| MA-0220 | 209 |
| MA-0300 | 245 |

| 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 | 19.03.2021 | STARÝ V. | Č.V. |

NÁZEV

Motor MA

MA001 09 B Z

Listů List