| Engineering data (WIN 1417) | | |
|---|---|---|
| DC bus voltage | 320 | V DC |
| Nominal AC voltage | 220 | V AC (rms) |
| Rated voltage | 148 | V AC (rms) |
| Rated power | 346 | W |
| Rated speed | 3000 | rpm |
| Rated torque | 1.10 | Nm |
| Rated current | 1.73 | A (rms) |
| Peak torque | 4.94 | Nm |
| Peak current | 8.3 | A (rms) |
| Stall torque | 1.3 | Nm |
| Stall current | 1.77 | A (rms) |
| No load speed | 4910 | rpm |
| EMF constant ±10% | 44.5 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 0.736 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 0.636 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 1.44 | ms |
| Winding terminal resistance | 9.598 | Ω |
| Rotary field terminal inductance | 13.8 | mH |

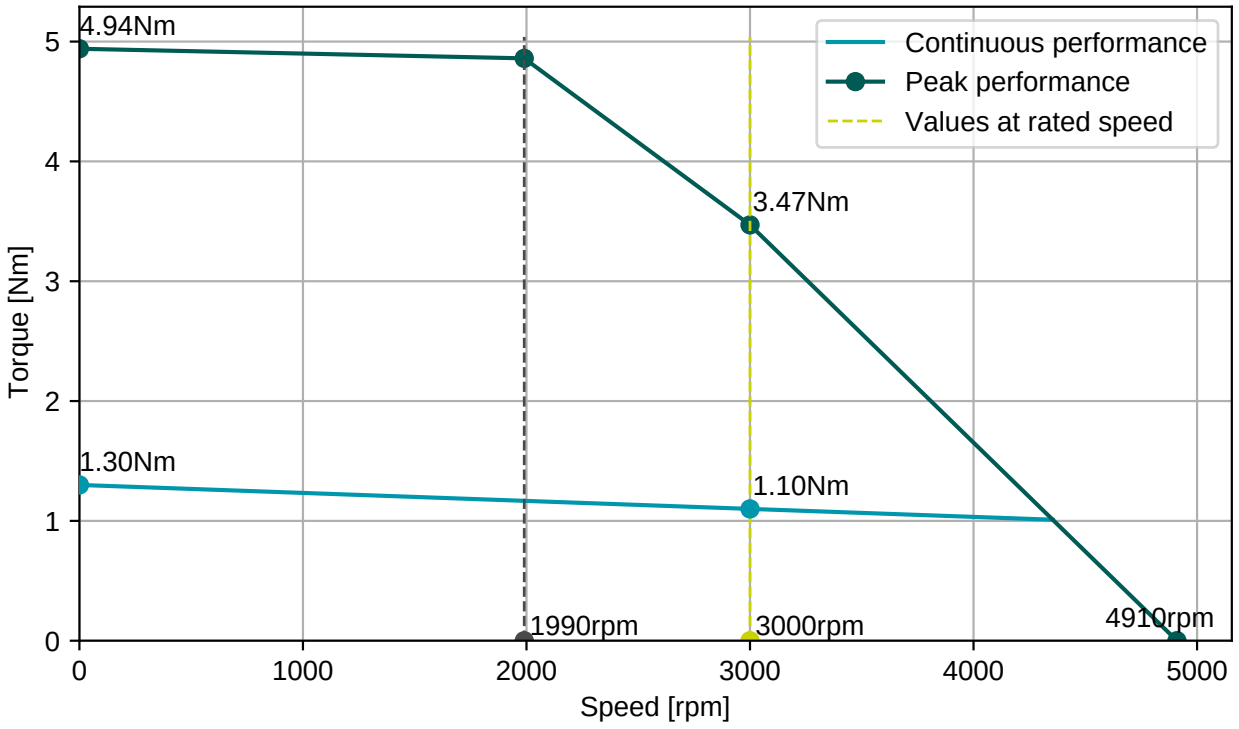
| Customs info | |
|---|---|
| HS Code | 85015100 |

| Mechanical data (setting 48) | | |
|---|---|---|
| Max mechanical speed | 12000 | rpm |
| Mech. time constant | 1.53 | ms |
| Thermal time constant | 24 | min |
| Rotor inertia | 0.5 | kgcm² |
| Protection | IP67 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 1.6 | kg |
| Max. axial force 20kh | 60 | N |
| Max. radial force 20kh* | 334 | N |
| Max. axial force 100kh | 36 | N |
| Max. radial force 100kh* | 191 | N |

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

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

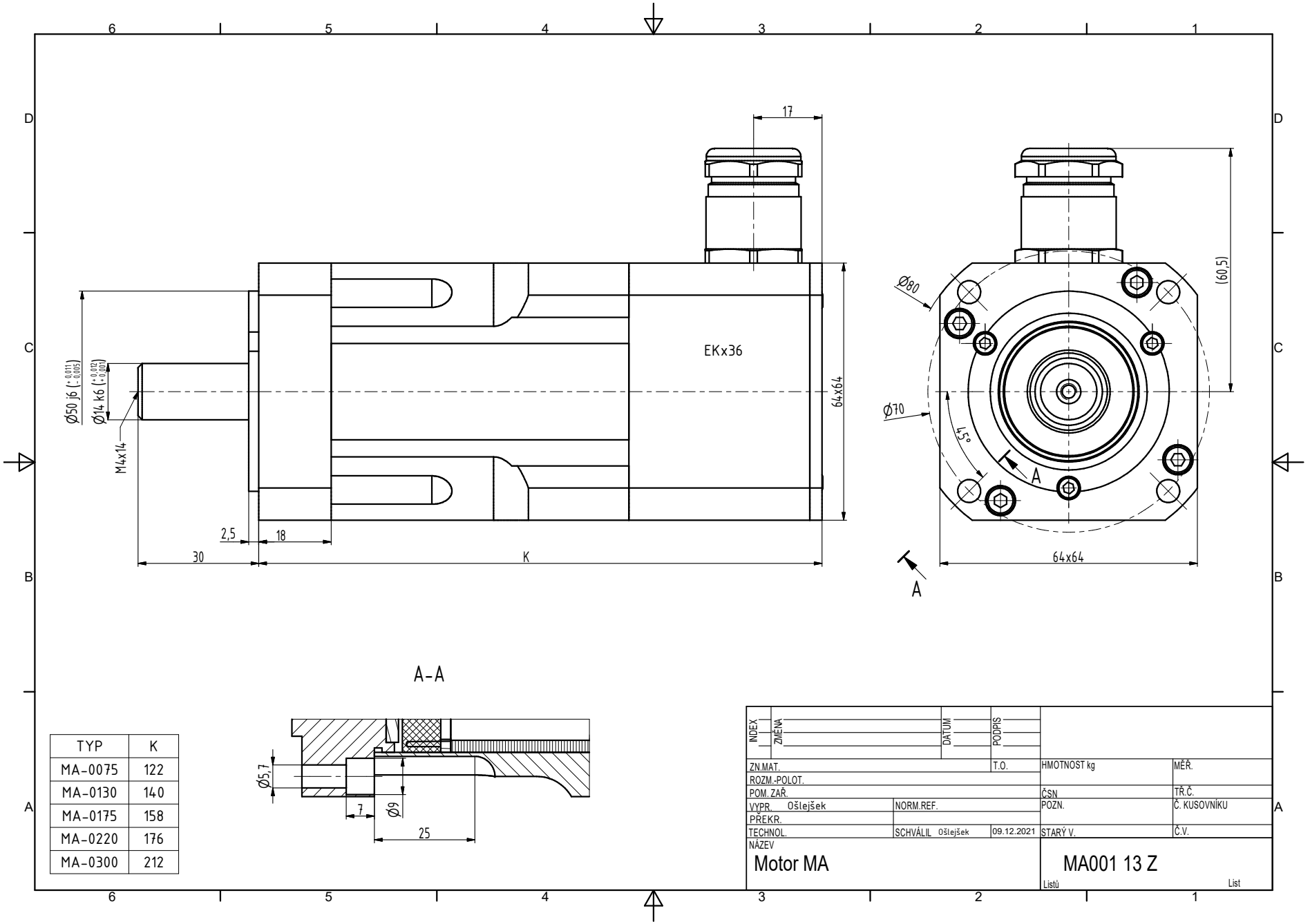
Torque / speed curve




**Cable DSL4x1 (2x0,25) , D=10,3±0,4mm**

| Connector 1 (306) | |
|---|---|
| **1** | U |
| **2** | V |
| **3** | W |
| **PE** | PE |
| **5** | Brake+ |
| **6** | Brake- |
| **brown** | +Us/DSL+ |
| **white** | GND/DSL- |

*Numbers printed on the cables*




| TYP | K |
|---|---|
| MA-0075 | 122 |
| MA-0130 | 140 |
| MA-0175 | 158 |
| MA-0220 | 176 |
| MA-0300 | 212 |

| | | | | | |
|---|---|---|---|---|---|
| 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 | 09.12.2021 | STARÝ V. | Č.V. |
| NÁZEV | | | | | |
| Motor MA | | | | MA001 13 Z | |
| | | | | Listů | List |