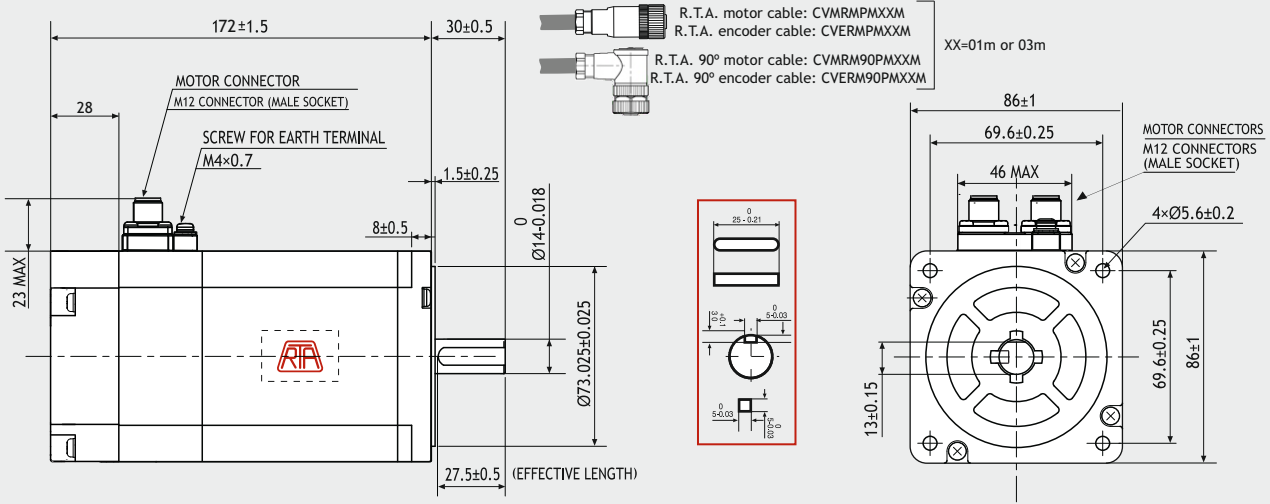


RM 3T3M-0XX0

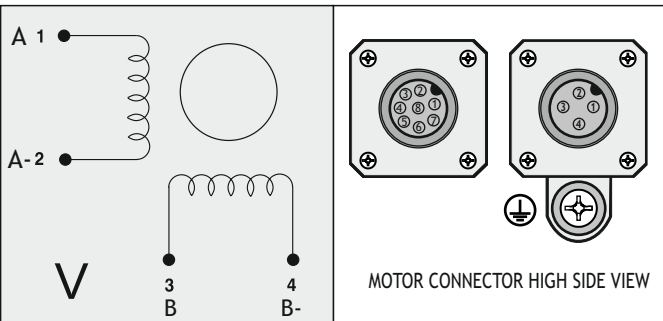
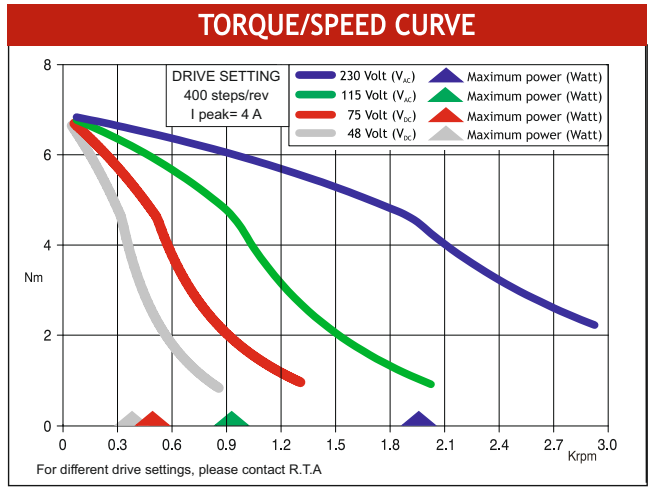


Dimensions (Unit:mm)



| ENCODER OPTIONS: | RM 3T3M-04D0 | RM 3T3M-04E0 | RM 3T3M-0HE0 |
|-----------------------------|---|--|--|
| RESOLUTION | 400 cpr | 400 cpr | 4000 cpr |
| INDEX | No | Yes | Yes |
| CURRENT CONSUMPTION (mA) | 50 | 50 | 100 |
| HIGH LEVEL OUTPUT (Volt) | 5 (TIP) - 4.75 (MIN) (I _{max} =25mA) | 3.4 (TIP) - 2.4 (MIN) (I _{max} =20mA) | 3.4 (TIP) - 2.4 (MIN) (I _{max} =20mA) |
| LOW LEVEL OUTPUT (Volt) | 0.25 (TIP) - 0.6 (MAX) (I _{max} =25mA) | 0.2 (TIP) - 0.4 (MAX) (I _{max} =20mA) | 0.2 (TIP) - 0.4 (MAX) (I _{max} =20mA) |
| OUTPUT SIGNAL | Differential | Differential | Differential |
| MAXIMUM FREQUENCY (KHz) | 100 | 100 | 720 |
| POWER SUPPLY VOLTAGE (Volt) | 5 V _{DC} ± 10% | 5 V _{DC} ± 10% | 5 V _{DC} ± 10% |

| FEATURES | |
|---|--|
| MODEL | RM 3T3M |
| BASIC STEP ANGLE | 1.8 ± 0.09° |
| BIPOLAR CURRENT (A) | 4 |
| RESISTANCE (Ohm) | 1 |
| INDUCTANCE (mH) | 7.9 |
| BIPOLAR HOLDING TORQUE (Ncm) | 920 |
| ROTOR INERTIA (Kg ^m ² x 10 ⁻⁷) | 4500 |
| THEORETICAL ACCELERATION (rad x sec. ⁻²) | 20500 |
| BACK E.M.F. (V/Krpm) | 241 |
| MASS (Kg) | 4.2 |
| INTERNATIONAL STANDARDS | UL, CSA, CE, RoHS |
| INSULATION VOLTAGE (V) | 250 V _{AC} (350 V _{DC}) |
| PROTECTION DEGREE - INSULATION CLASS | IP 54 - CLASS F |
| LEADS CODE | V |



| ENCODER CONNECTOR PIN-OUT | | | |
|---------------------------|-----------|----------------|--------------------------|
| DESCRIPTION | 04D0 PINS | 04E0/OHE0 PINS | R.T.A. CABLE LEADS COLOR |
| CHANNEL A+ | 3 | 3 | GREEN |
| CHANNEL A- | 4 | 4 | PURPLE |
| CHANNEL B+ | 1 | 1 | BLUE |
| CHANNEL B- | 2 | 2 | BROWN |
| + DC (5V) | 8 | 8 | RED |
| GROUND | 5 | 5 | BLACK |
| INDEX+ | / | 7 | ORANGE |
| INDEX- | / | 6 | WHITE |

R.T.A. CABLE: CVMRMPMXXM

Suggested R.T.A. driver: 230 Vac X-PLUS series/230 Vac X-MIND series.