

# 3-Phase Hybrid Stepping Motor **3.75°**

## KT56 series **TRISYN**

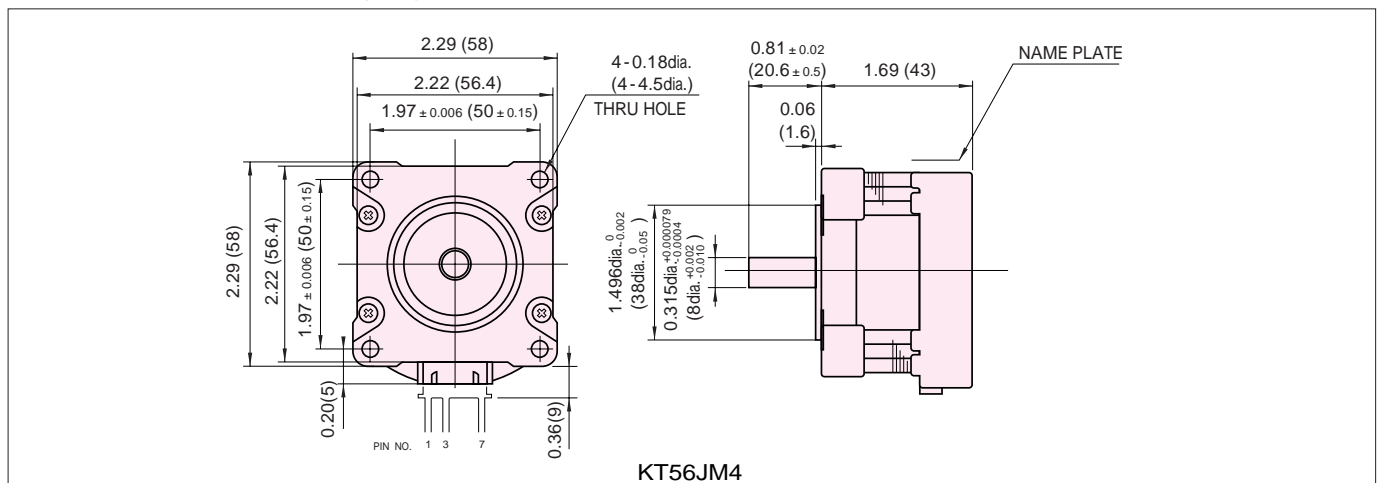
HIGH TORQUE, SILENT ROTATION

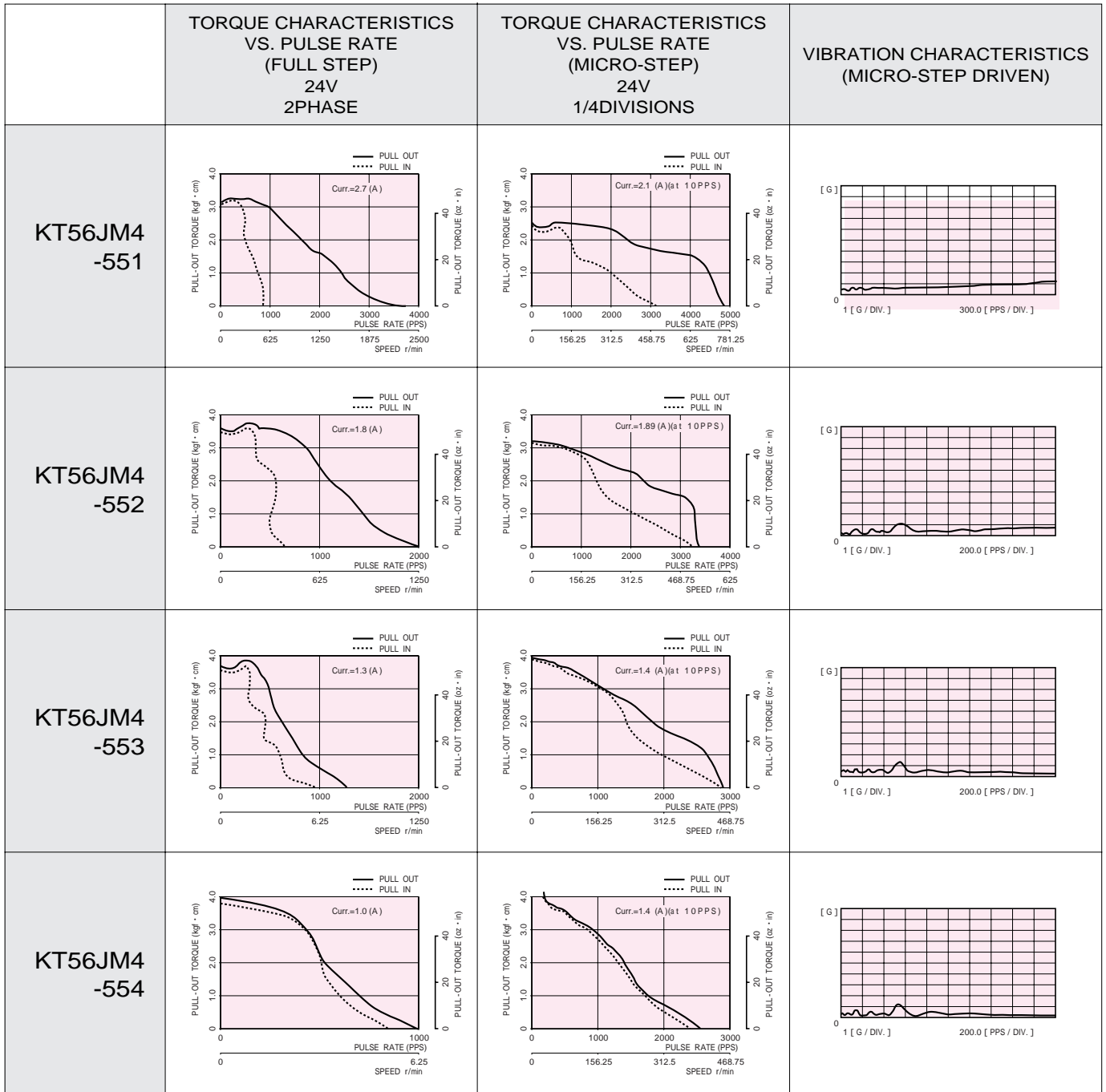
### STANDARD SPECIFICATIONS

| MODEL                 | UNIT                 | KT56JM4   |      |      |      |
|-----------------------|----------------------|---|------|------|------|
|                       |                      | -551  | -552 | -553 | -554 |
| DRIVE METHOD          |                      | BI-POLAR  |      |      |      |
| NUMBER OF PHASES      |                      | 3   |      |      |      |
| STEP ANGLE            | deg./step            | 3.75  |      |      |      |
| VOLTAGE               | V                    | 2.16  | 4.32 | 7.15 | 8.6  |
| CURRENT               | A/2-PHASE            | 2.7   | 1.8  | 1.3  | 1.0  |
| WINDING RESISTANCE    | /2-PHASE             | 0.8   | 2.4  | 5.5  | 8.6  |
| INDUCTANCE            | mH/2-PHASE           | 2.3   | 9.0  | 18.9 | 31.0 |
| HOLDING TORQUE        | kgf · cm             | 3.0   | 3.0  | 3.0  | 3.0  |
|                       | oz · in              | 42  | 42   | 42   | 42   |
| DETENT TORQUE         | gf · cm              | 200   | 200  | 200  | 200  |
|                       | oz · in              | 2.8   | 2.8  | 2.8  | 2.8  |
| ROTOR INERTIA         | g · cm <sup>2</sup>  | 120   | 120  | 120  | 120  |
|                       | oz · in <sup>2</sup> | 0.66  | 0.66 | 0.66 | 0.66 |
| WEIGHTS               | g                    | 430   | 430  | 430  | 430  |
|                       | lb                   | 0.95  | 0.95 | 0.95 | 0.95 |
| INSULATION CLASS      |                      | JIS Class E (120 248 ° F)(UL VALUE:CLASS B 130 266 ° F) |      |      |      |
| INSULATION RESISTANCE |                      | 500VDC 100M min.  |      |      |      |
| DIELECTRIC STRENGTH   |                      | 500VAC 50HZ 1 min.                                      |      |      |      |
| OPERATING TEMP. RANGE |                      | -10 to 50   |      |      |      |
| ALLOWABLE TEMP. RISE  | deg.                 | 70  |      |      |      |



### DIMENSIONS unit = inch (mm)





CONNECTION CABLE TO MOTOR unit = inch (mm)

