

# 3-Phase Hybrid Stepping Motor

**3.75°**

# KT42 series TRISYN

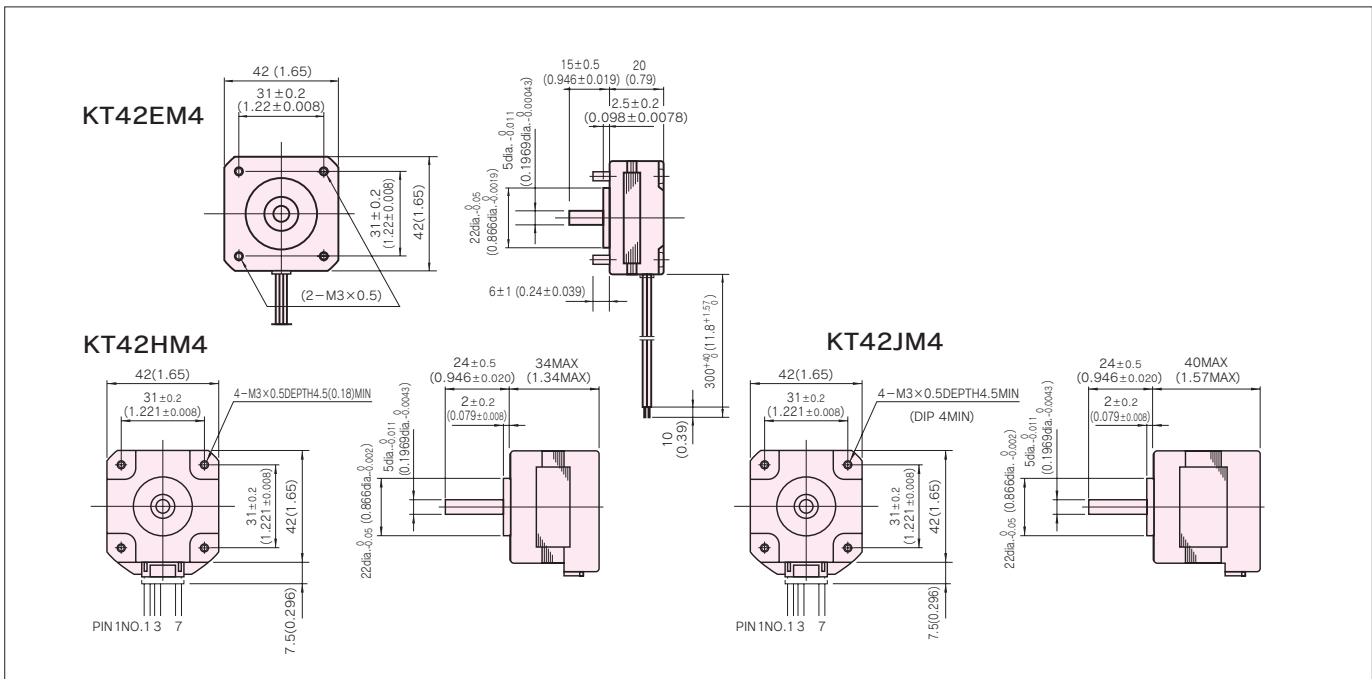
**HIGH TORQUE, SILENT ROTATION**

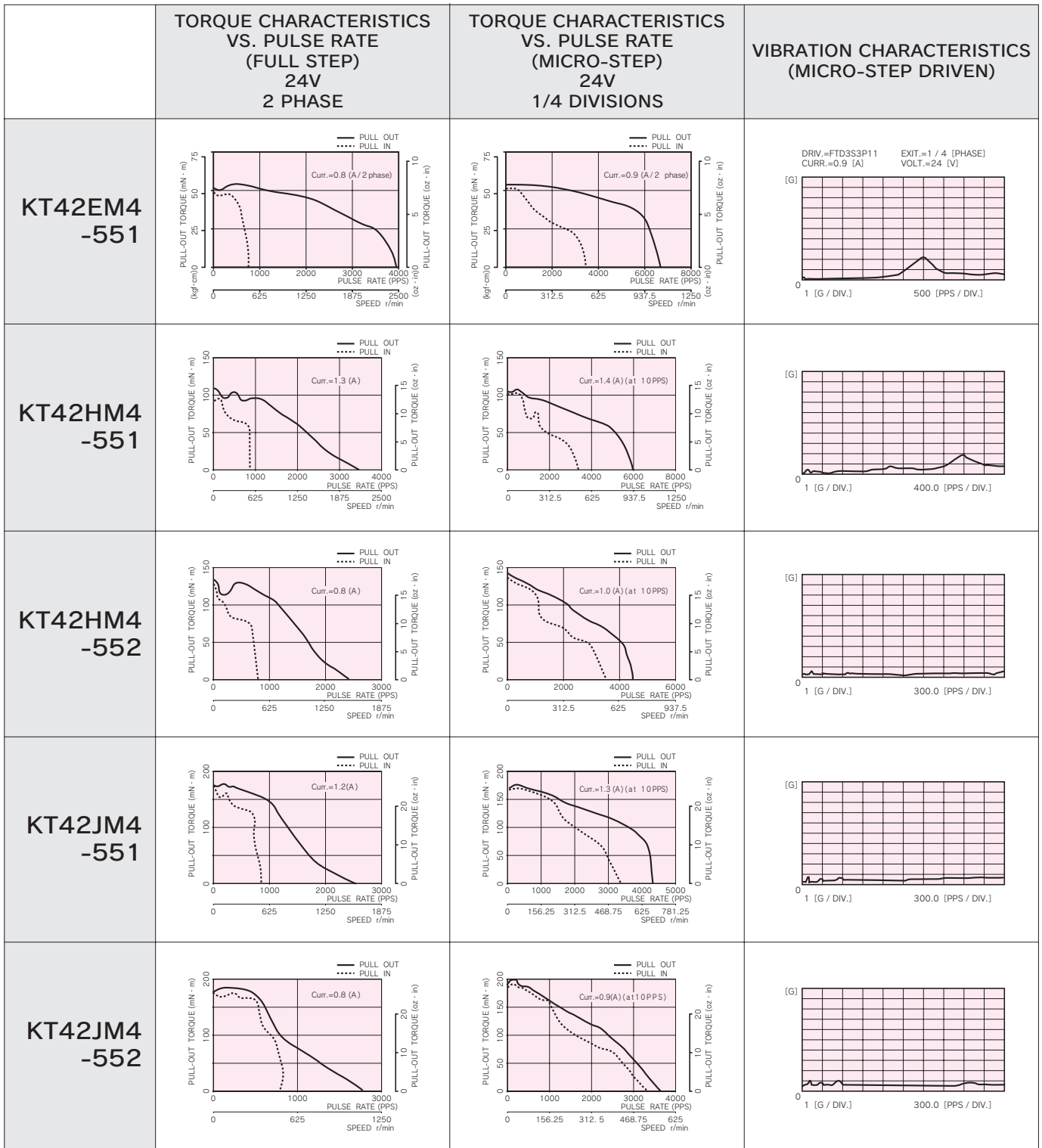
## STANDARD SPECIFICATIONS

MODEL	UNIT	KT42EM4		KT42HM4		KT42JM4	
		-551	-551	-552	-551	-552	
DRIVE METHOD	————	BI-POLAR					
NUMBER OF PHASES	————	3					
STEP ANGLE	deg./step	3.75					
VOLTAGE	V	5.28	4.42	7.04	5.16	8.8	
CURRENT	A/2-PHASE	0.8	1.3	0.8	1.2	0.8	
WINDING RESISTANCE	Ω/2-PHASE	6.6	3.4	8.8	4.3	11.0	
INDUCTANCE	mH/2-PHASE	5.7	4.7	12.3	8.7	22.0	
HOLDING TORQUE	mN · m	70	130	130	180	180	
	oz · in	9.7	18	18	25	25	
DETENT TORQUE	mN · m	8.8	14.7	14.7	19.6	19.6	
	oz · in	1.3	2.1	2.1	2.8	2.8	
ROTOR INERTIA	g · cm <sup>2</sup>	20	38	38	60	60	
	oz · in <sup>2</sup>	0.11	0.21	0.21	0.33	0.33	
WEIGHTS	g	140	210	210	240	240	
	lb	0.31	0.46	0.46	0.53	0.53	
INSULATION RESISTANCE	————	500VDC 100MΩmin.					
DIELECTRIC STRENGTH	————	500VAC 50HZ 1 min.					
OPERATING TEMP. RANGE	℃	0 to 50					
ALLOWABLE TEMP. RISE	K	70					



## DIMENSIONS unit = mm (inch)





■ CONNECTION CABLE TO MOTOR unit = mm (inch) (Except for KT42EM4-551)

