

3-Phase Hybrid Stepping Motor

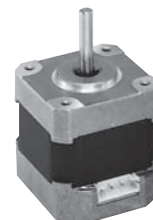
3.75°

KT42 series *TRISYN*

HIGH TORQUE, SILENT ROTATION

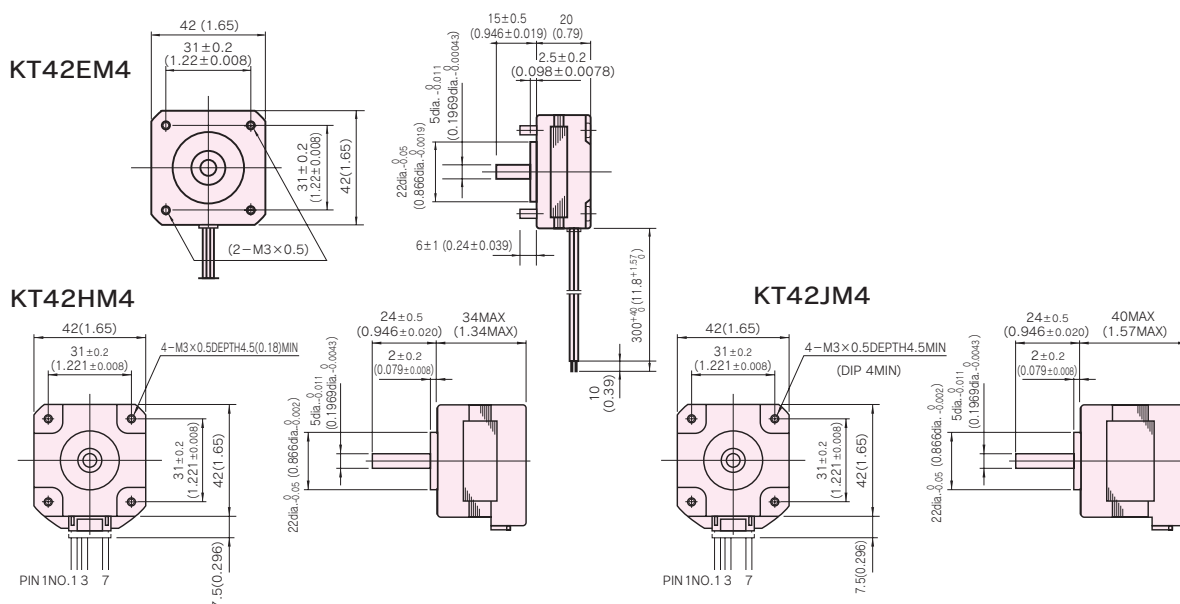
STANDARD SPECIFICATIONS

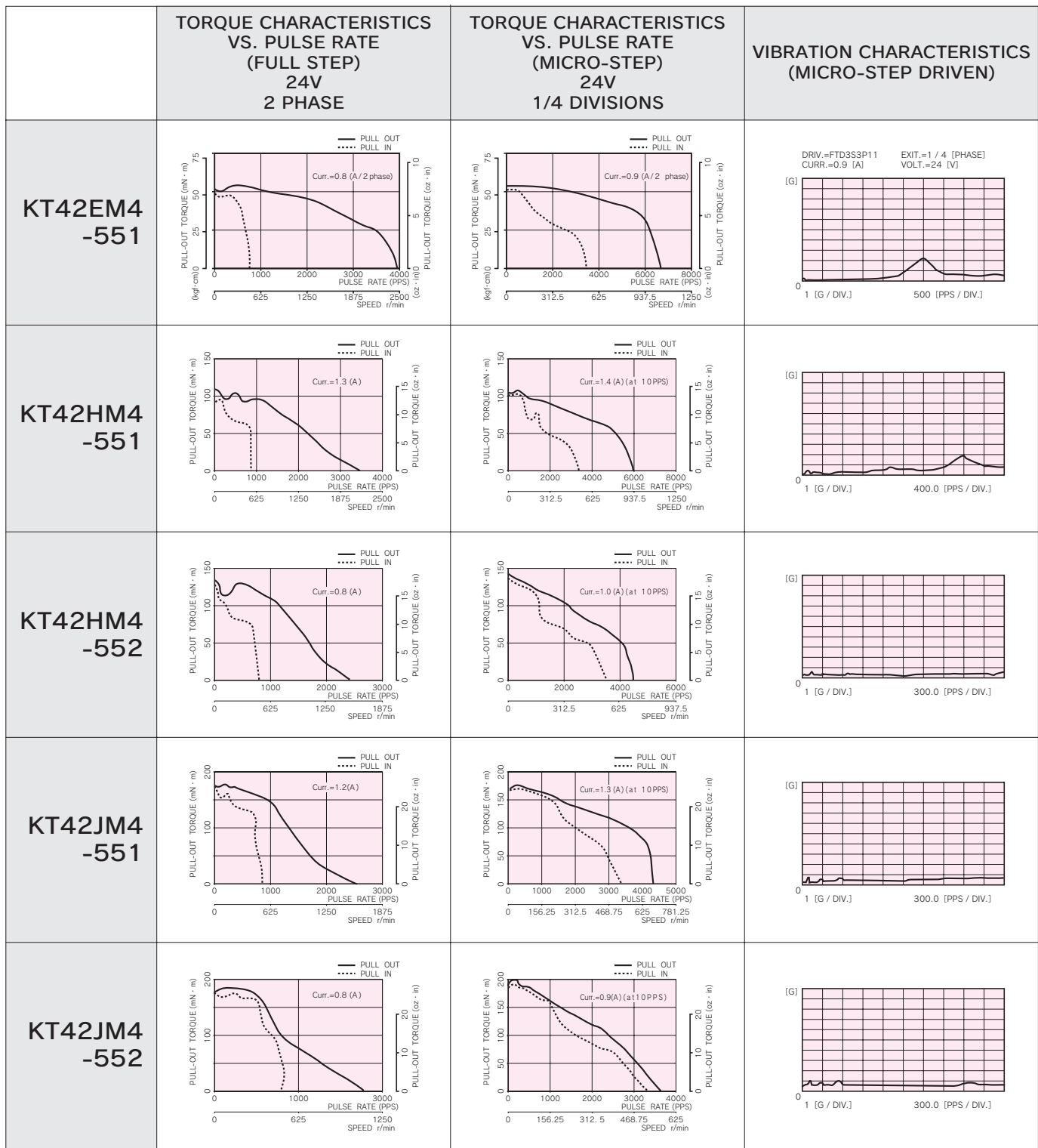
MODEL	UNIT	KT42EM4	KT42HM4		KT42JM4	
		-551	-551	-552	-551	-552
DRIVE METHOD	—	BI-POLAR				
NUMBER OF PHASES	—	3				
STEP ANGLE	deg./step	3.75				
VOLTAGE	V	5.28	4.42	7.04	5.16	8.8
CURRENT	A/2-PHASE	0.8	1.3	0.8	1.2	0.8
WINDING RESISTANCE	Ω/2-PHASE	6.6	3.4	8.8	4.3	11.0
INDUCTANCE	mH/2-PHASE	5.7	4.7	12.3	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 ²	20	38	38	60	60
	oz · in ²	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 CLASS	—	JIS Class E (120°C 248° F)(UL VALUE:CLASS B 130°C 266° F)				
INSULATION RESISTANCE	—	500VDC 100MΩmin.				
DIELECTRIC STRENGTH	—	500VAC 50HZ 1 min.				
OPERATING TEMP. RANGE	°C	0 to 50				
ALLOWABLE TEMP. RISE	K	70				



KT42JM4

DIMENSIONS unit = mm (inch)





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

