

3-Phase Hybrid Stepping Motor

3.75°

KR42 series *TRISYN*

HIGH TORQUE, LOW VIBRATION AND LOW OPERATING NOISE

STANDARD SPECIFICATIONS

MODEL	UNIT	KR42HM4	
		-551	-552
NUMBER OF PHASES	—	3	
STEP ANGLE	deg./step	3.75	
VOLTAGE	V	2.8	4.4
CURRENT	A/2-PHASE	2	1.3
WINDING RESISTANCE	Ω/2-PHASE	1.4	3.4
INDUCTANCE	mH/2-PHASE	1.7	4.0
HOLDING TORQUE	mN · m	※1 58.9	※2 58.9
	oz · in	8.3	8.3
DETENT TORQUE	mN · m	5.9	5.9
	oz · in	0.8	0.8
ROTOR INERTIA	g · cm ²	31	31
	oz · in ²	0.17	0.17
WEIGHTS	g	210	210
	lb	0.46	0.46
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	

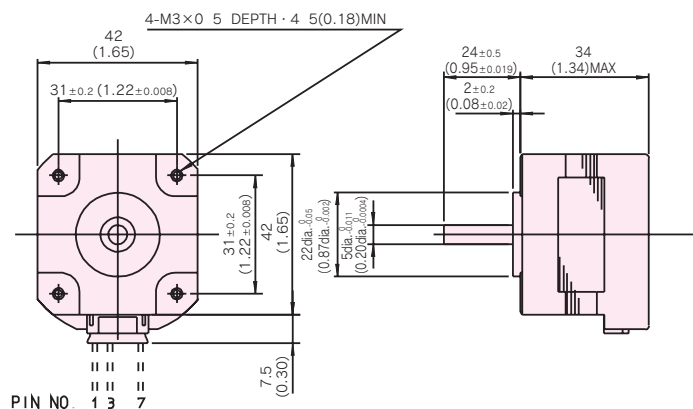
※ 1 : 2A/2-Phase

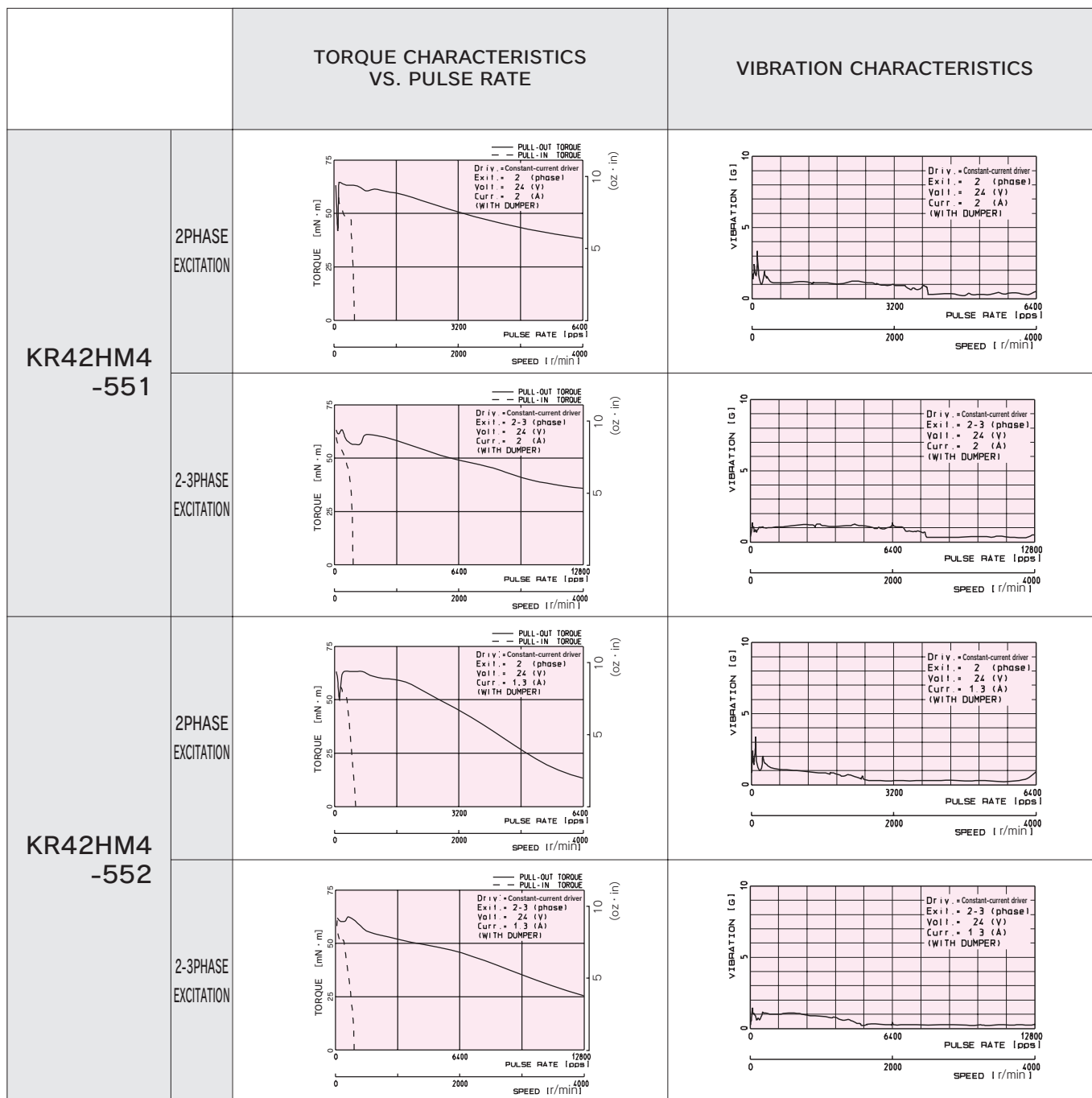
※ 2 : 1.3A/2-Phase



KR42HM4

DIMENSIONS unit = mm (inch)





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

