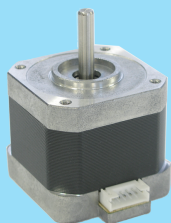


## KV42

1.8°/step

□42mm

NEMA17



### Applications

OA, FA, Medical Devices  
Money-handling &  
Banking equipment

### SINGLE SHAFT

MODEL
KV4234-N2B801
KV4234-N2B802
KV4239-T2B801
KV4239-T2B802
KV4239-N2B801
KV4239-N2B802
KV4242-N2B801
KV4248-N2B801

\*Low Vibration Type

\*Low Vibration Type

### OPTION

KV42LBS300

### FEATURES

- High Speed · High Torque, Low Noise
- KH42-B900 Successor Model

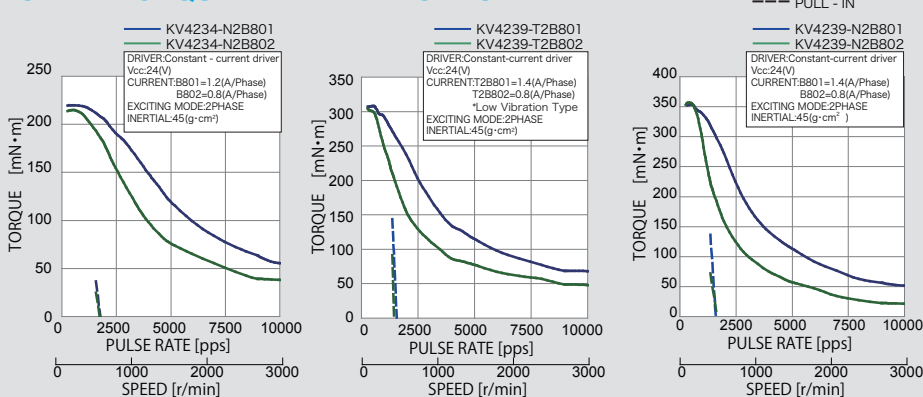
### SPECIFICATIONS

STEP ANGLE ° /step	VOLTAGE V	CURRENT A/PHASE	WINDING RESISTANCE Ω/PHASE	INDUCTANCE mH/PHASE	HOLDING TORQUE mN · m	ROTOR INERTIA g · cm <sup>2</sup>	MODEL
1.8	2.76	1.2	2.3	3.6	260	42	KV4234-N2B801
1.8	4.00	0.8	5.0	7.5	260	42	KV4234-N2B802
1.8	2.94	1.4	2.1	4.5	300	59	KV4239-T2B801
1.8	4.88	0.8	6.1	14.0	300	59	KV4239-T2B802
1.8	2.94	1.4	2.1	4.1	370	59	KV4239-N2B801
1.8	4.88	0.8	6.1	14.0	370	59	KV4239-N2B802
1.8	3.72	1.2	3.1	5.0	420	69	KV4242-N2B801
1.8	3.90	1.3	3.0	6.1	530	79	KV4248-N2B801

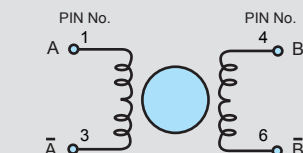
### GENERAL SPECIFICATIONS

INSULATION RESISTANCE	500V DC 100MΩ min. (at normal temp. & humidity, between lead and case)
DIELECTRIC STRENGTH	500V AC 50Hz 1min. (at normal temp. & humidity, between lead and case)
AMBIENT TEMP. AND HUMIDITY	-10°C ~ +50°C, 5% ~ 95%RH (noncondensing)
STORAGE TEMP. AND HUMIDITY	-20°C ~ +70°C, 5% ~ 95%RH (noncondensing)
TEMPERATURE RISE	80K max (By resistance method)
POSITION ACCURACY	±10%

### SPEED-TORQUE CHARACTERISTICS



### CONNECTION DIAGRAMS

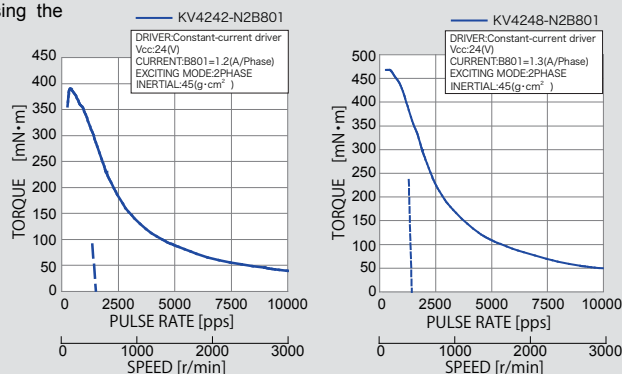


PHR-6 (PIN NO.)	1	3	4	6
PHASE	A	A	B	B
COLOR OF LEAD	RED	BLUE	YELLOW	WHITE

CW viewed from rotor shaft when using the following sequence diagram.

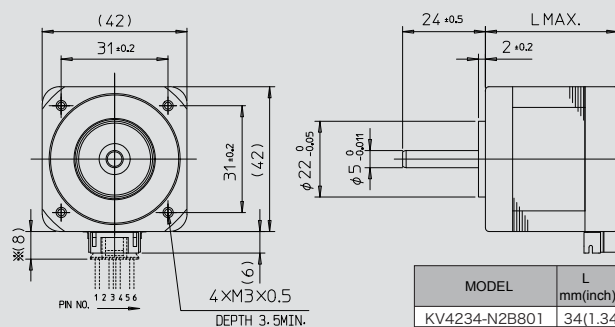
### EXCITATION SEQUENCE

PHASE	1	2	3	4
A	-	+	+	-
B	-	-	+	+
Ā	+	-	-	+
B̄	+	+	-	-



### DIMENSIONS

Unit = mm

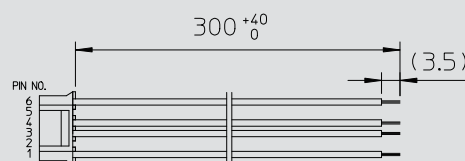


The KV42 motor is supplied without a leadwire assembly. This must be ordered as a separate part.

MODEL	L mm(inch)	mass kg
KV4234-N2B801	34(1.34)	0.21
KV4234-N2B802	34(1.34)	0.21
KV4239-T2B801	39(1.54)	0.26
KV4239-T2B802	39(1.54)	0.26
KV4239-N2B801	39(1.54)	0.26
KV4239-N2B802	39(1.54)	0.26
KV4242-N2B801	42(1.66)	0.32
KV4248-N2B801	48(1.89)	0.37

### OPTION (Leadwire Assembly)

MODEL: KV42LBS300



### CONNECTOR SPECIFICATIONS

Maker	JST
Applicable Housing	PHR-6
Applicable Terminal	SPH-002T-P0.5S
Lead Wire	UL3266 AWG26