

Stepping Motor & Driver

2-Phase Hybrid Stepping Motor KH56 Series

Stepping Motor & Driver

B900Type

KH56

New

1.8°/step

□56mm



SINGLE SHAFT

MODEL
KH5640-B90101
KH5640-B90201
KH5652-B90101
KH5652-B90201
KH5674-B90101
KH5674-B90201

OPTION

KH56LUS300_6PIN

FEATURES

- High Torque (Up at Peak time 15 to 20% higher than our previous products)

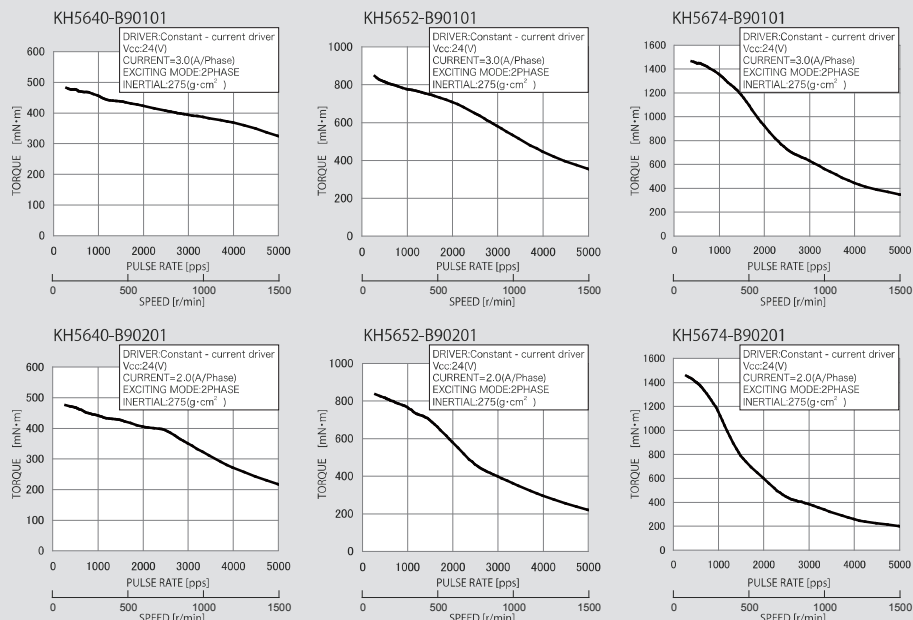
SPECIFICATIONS

STEP ANGLE	VOLTAGE	CURRENT	WINDING RESISTANCE	INDUCTANCE	HOLDING TORQUE	ROTOR INERTIA	MODEL
° /step	V	A/PHASE	Ω/PHASE	mH/PHASE	(Measured value) mN · m	g · cm ²	
1.8	1.75	3.0	0.58	0.92	(680)	170	KH5640-B90101
1.8	2.7	2.0	1.35	2.0	(680)	170	KH5640-B90201
1.8	2.28	3.0	0.76	1.4	(1140)	310	KH5652-B90101
1.8	3.6	2.0	1.8	3.0	(1140)	310	KH5652-B90201
1.8	3.48	3.0	1.16	2.2	(1970)	530	KH5674-B90101
1.8	5.4	2.0	2.7	4.9	(1970)	530	KH5674-B90201

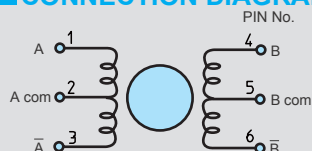
[GENERAL SPECIFICATIONS]

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	70K max (By resistance method)
POSITION ACCURACY	±10%

SPEED-TORQUE CHARACTERISTICS



CONNECTION DIAGRAMS



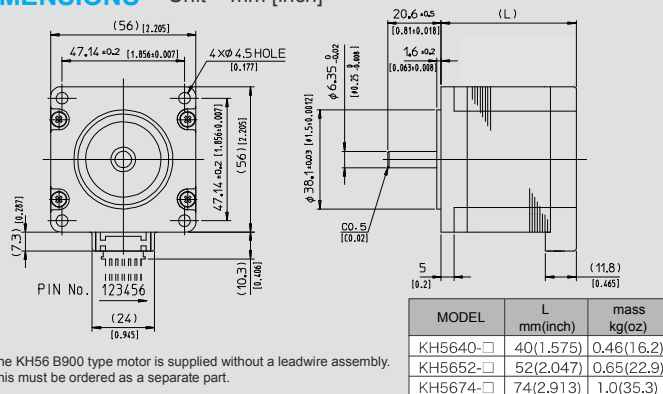
XHP-6(PIN NO.)	1	2	3	4	5	6
PHASE	A	A com	Ā	B	B com	B̄
COLOR OF LEAD	BLACK	RED	BROWN	YELLOW	BLUE	ORANGE

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

EXCITATION SEQUENCE

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

DIMENSIONS Unit = mm [inch]



The KH56 B900 type motor is supplied without a leadwire assembly. This must be ordered as a separate part.

MODEL	L mm(inch)	mass kg(oz)
KH5640-□	40(1.575)	0.46(16.2)
KH5652-□	52(2.047)	0.65(22.9)
KH5674-□	74(2.913)	1.0(35.3)

CONNECTOR SPECIFICATIONS

Maker	JST
Applicable Housing	XHP-6
Applicable Terminal	SXH-001T-P0.6
Lead Wire	AWG#22 , UL3266

OPTION (Leadwire Assembly)

MODEL : KH56LUS300_6PIN

