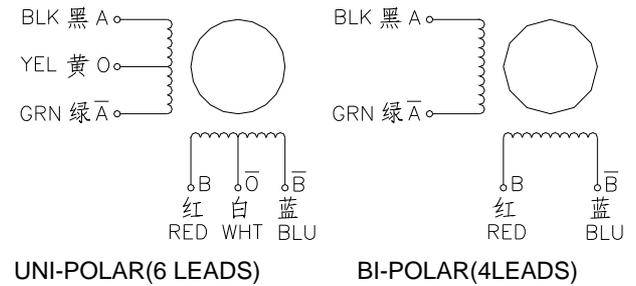


2 Phase Hybrid Stepper Motor 8HY series-Size 20mm(1.8 degree)



Wiring Diagram:

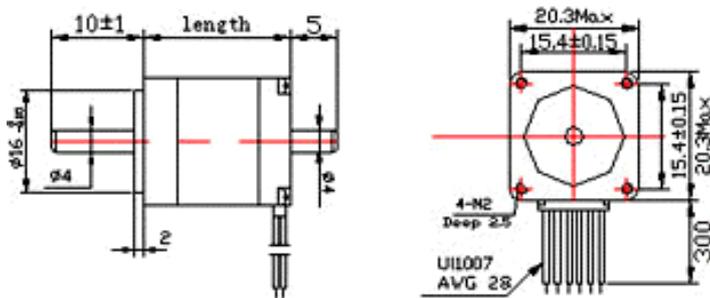


Electrical Specifications:

Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Voltage (V)	Phase Inductance (mH)	Holding Torque (g.cm Min)	Lead Wire (No.)	Motor Weight (g)
8HY28-0204A	1.8	28	0.2	24	12	8.0	180	4	50
8HY33-0604A	1.8	33	0.6	6.5	3.9	1.7	180	4	60

*Note: We can manufacture products according to customer's requirements.

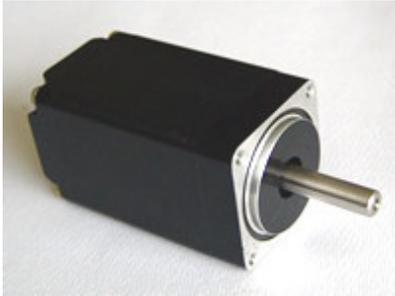
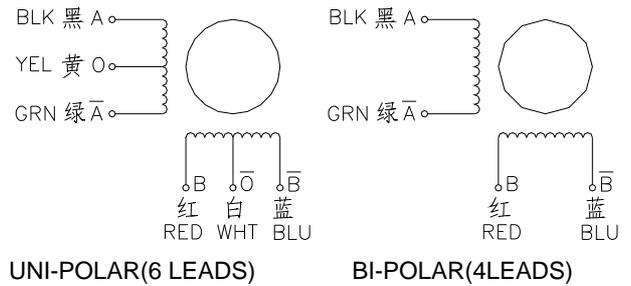
Dimensions: unit=mm



Motor Length:

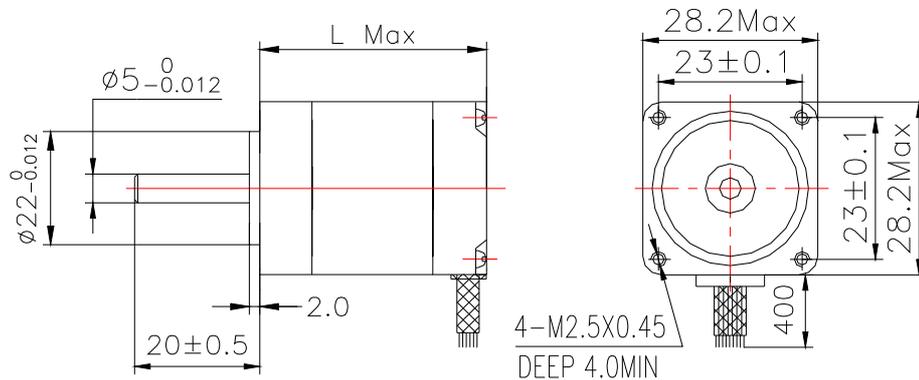
Model	Length
8HY23XX	28 mm
8HY33XX	33 mm

2 Phase Hybrid Stepper Motor 11HY series-Size 28mm(1.8 degree)


Wiring Diagram:

Electrical Specifications:

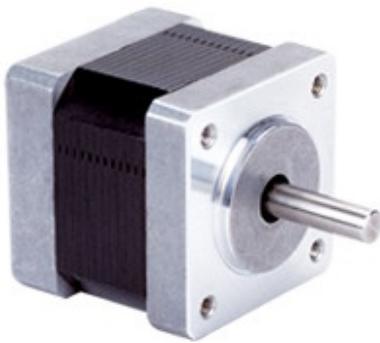
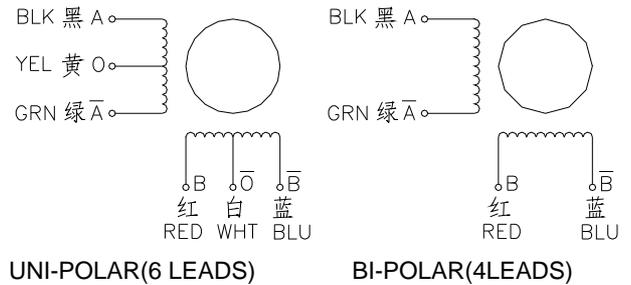
Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
11HY2401	1.8	28	0.6	4.2	2.2	4.5	0.3	6	4	105
11HY2402	1.8	28	0.35	12	5.8	4.5	0.3	6	4	105
11HY3401	1.8	33	0.6	5.5	3.2	6.0	0.4	8	4	110
11HY3402	1.8	33	0.35	15	9.2	6.0	0.4	8	4	110
11HY4401	1.8	41	0.6	7.0	6.0	6.0	0.5	11	4	140
11HY4402	1.8	41	0.35	20	15	6.0	0.5	11	4	140
11HY5401	1.8	50	0.6	9.0	7.2	10	0.8	13	4	180
11HY5402	1.8	50	0.35	24	18.5	10	0.8	13	4	180

***Note:** We can manufacture products according to customer's requirements.

Dimensions: unit=mm

Motor Length:

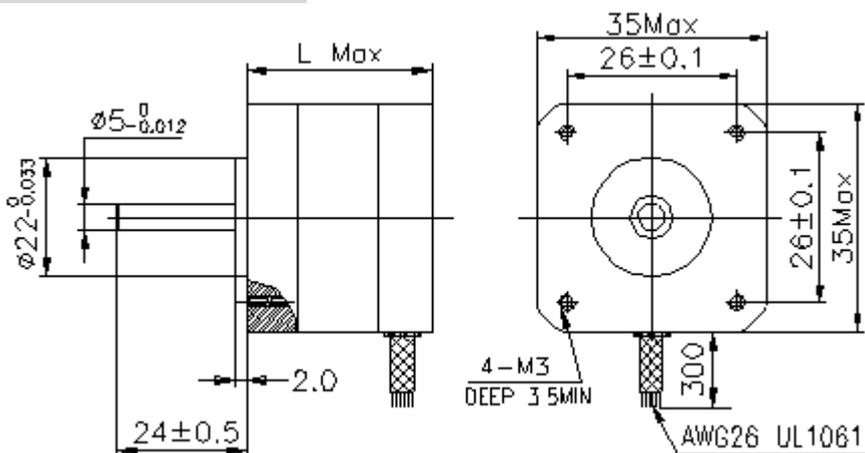
Model	Length
11HY2XXX	28 mm
11HY3XXX	33 mm
11HY4XXX	41 mm
11HY5XXX	50 mm

2 Phase Hybrid Stepper Motor 14HM series-Size 35mm(0.9 degree)


Wiring Diagram:

Electrical Specifications:

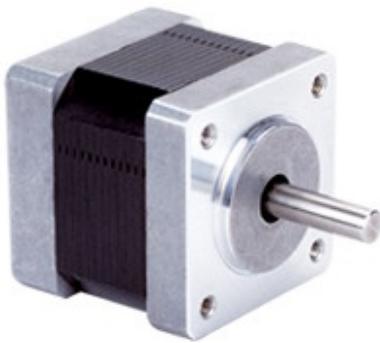
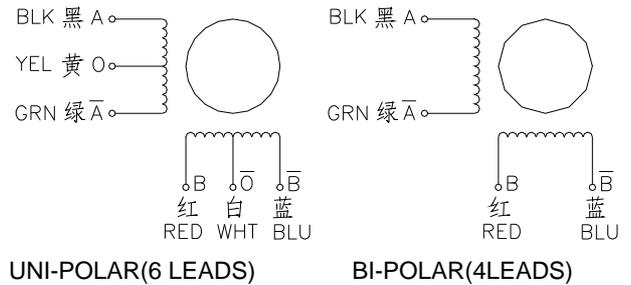
Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
14HM2401	0.9	27	0.8	4.5	4.2	9	0.3	12	4	130
14HM2402	0.9	27	0.55	10	9.5	9	0.3	12	4	130
14HM2403	0.9	27	0.36	22	20	9	0.3	12	4	130
14HM2630	0.9	27	0.4	30	12	8	0.3	12	6	130
14HM3401	0.9	34	0.8	6	10	14	0.6	18	4	190
14HM3402	0.9	34	0.55	12	19	14	0.6	18	4	190
14HM3403	0.9	34	0.36	28	42	14	0.6	18	4	190
14HM3630	0.9	34	0.4	30	18	10	0.6	18	6	190

*Note: We can manufacture products according to customer's requirements.

Dimensions: unit=mm

Motor Length:

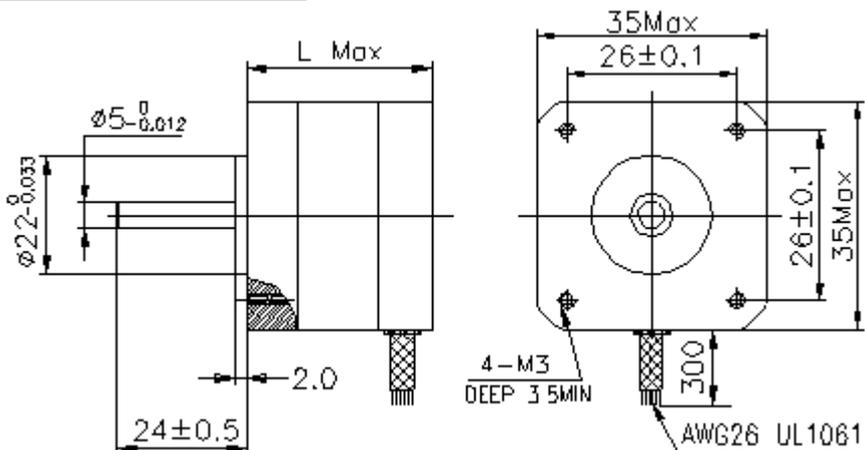
Model	Length
14HM2XXX	27 mm
14HM3XXX	34 mm

2 Phase Hybrid Stepper Motor 14HY series-Size 35mm(1.8 degree)


Wiring Diagram:

Electrical Specifications:

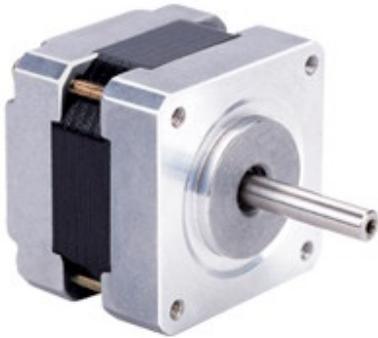
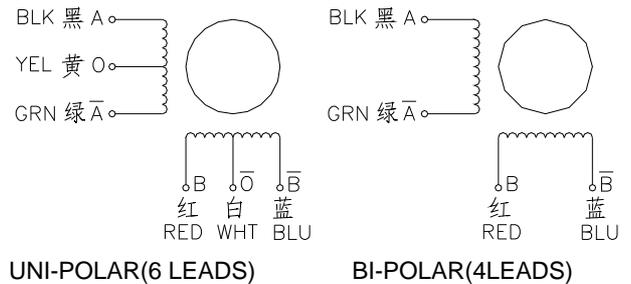
Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
14HY0401	1.8	20	0.38	20	16	6	0.5	11	4	80
14HY2420	1.8	28	0.46	20	14	12	0.8	11	4	120
14HY2402	1.8	28	0.8	5.0	5.0	12	0.8	11	4	120
14HY2630	1.8	28	0.4	30	11	9	0.8	11	6	120
14HY3401	1.8	34	0.42	25	32	18	1.0	13	4	160
14HY3402	1.8	34	0.8	6.5	9.8	18	1.0	13	4	160
14HY3630	1.8	34	0.4	30	22	12	1.0	13	6	160

**Note: We can manufacture products according to customer's requirements.*

Dimensions: unit=mm

Motor Length:

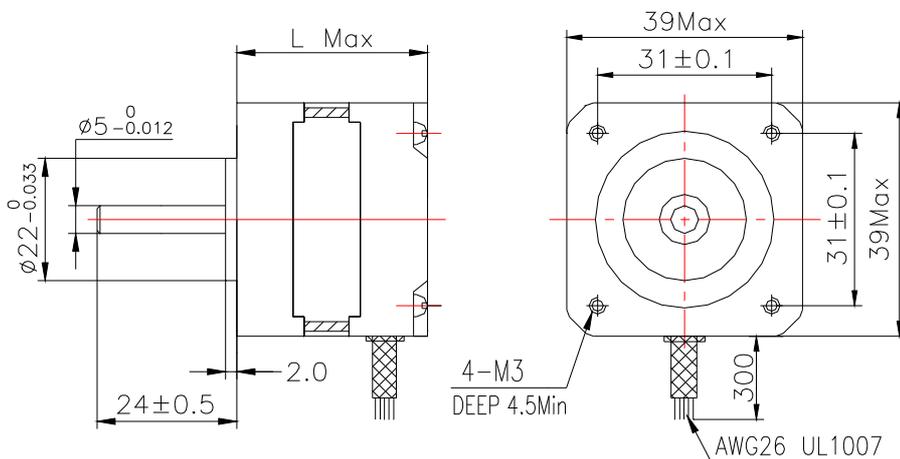
Model	Length
14HY0XXX	20 mm
14HY2XXX	28 mm
14HY3XXX	34 mm

2 Phase Hybrid Stepper Motor 16HM series-Size 39mm(0.9 degree)


Wiring Diagram:

Electrical Specifications:

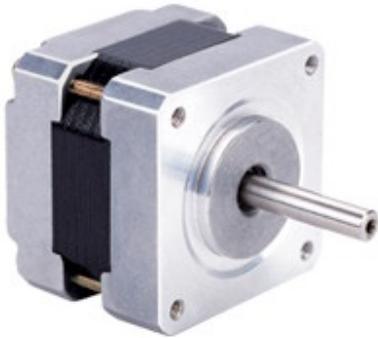
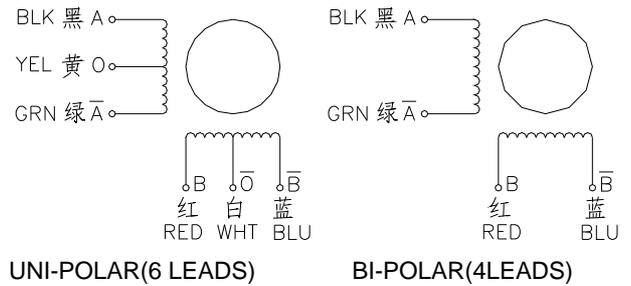
Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
16HM0401	0.9	20	0.42	20	16	8	0.5	15	4	100
16HM2410	0.9	26	0.6	9	16	14	0.8	18	4	120
16HM3401	0.9	34	0.6	9	15	16	1.1	23	4	160
16HM3402	0.9	34	1.2	2.5	3.6	16	1.1	23	4	160
16HM3630	0.9	34	0.4	30	16	12	1.1	23	6	160
16HM4401	0.9	40	0.6	12	20	22	1.4	30	4	210
16HM4402	0.9	40	1.2	3.2	5.5	22	1.4	30	4	210
16HM4630	0.9	40	0.4	30	26	18	1.4	30	6	210

*Note: We can manufacture products according to customer's requirements.

Dimensions: unit=mm

Motor Length:

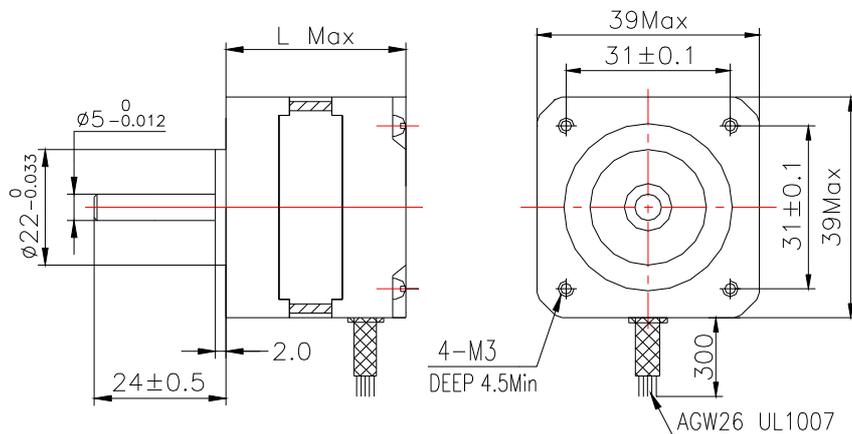
Model	Length
16HM0XXX	20 mm
16HM2XXX	26 mm
16HM3XXX	34 mm
16HM4XXX	40 mm

2 Phase Hybrid Stepper Motor 16HY series-Size 39mm(1.8 degree)


Wiring Diagram:

Electrical Specifications:

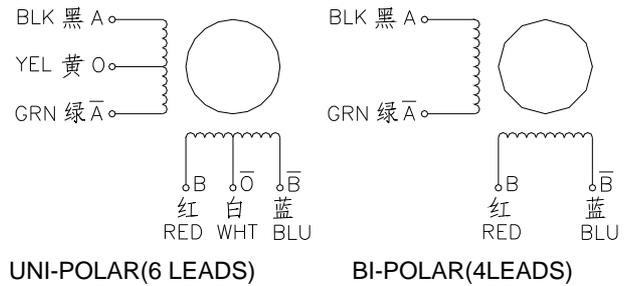
Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
16HY0401	1.8	20	0.42	18	12	8	0.5	12	4	100
16HY2410	1.8	26	0.6	9	10	14	0.8	14	4	120
16HY3401	1.8	34	0.6	12	13	18	1.0	19	4	160
16HY3402	1.8	34	1.2	3.2	3.0	16	1.0	19	4	160
16HY3630	1.8	34	0.4	30	14	12	1.0	19	6	160
16HY4401	1.8	40	0.6	12	20	24	1.2	24	4	210
16HY4402	1.8	40	1.2	3.8	6.5	24	1.2	24	4	210
16HY4630	1.8	40	0.4	30	22	18	1.2	24	4	210

***Note:** We can manufacture products according to customer's requirements.

Dimensions: unit=mm

Motor Length:

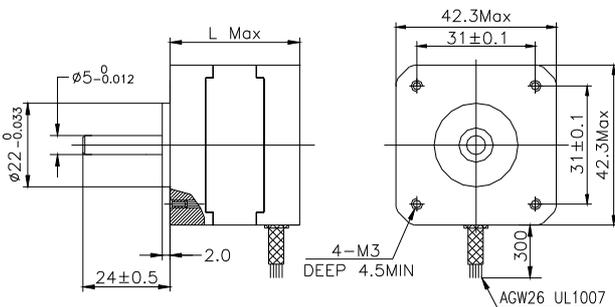
Model	Length
16HY0XXX	20 mm
16HY2XXX	26 mm
16HY3XXX	34 mm
16HY4XXX	40 mm

2 Phase Hybrid Stepper Motor 17HM series-Size 42mm(0.9 degree)


Wiring Diagram:

Electrical Specifications:

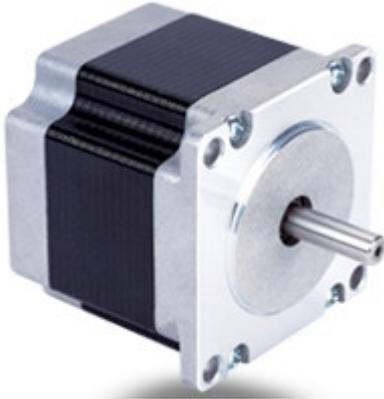
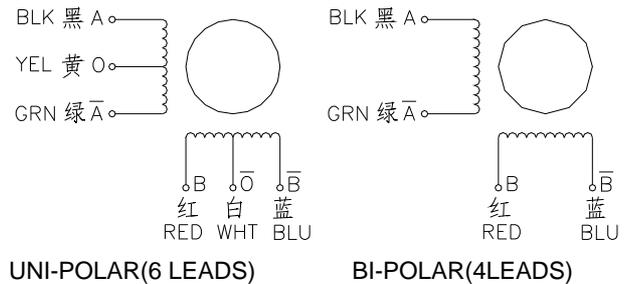
Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
17HM2408	0.9	28	0.6	9	9	10	0.9	20	4	130
17HM3401	0.9	34	1.3	2.4	3.6	24	1.2	34	4	220
17HM3410	0.9	34	1.7	1.2	2.2	24	1.2	34	4	220
17HM3430	0.9	34	0.4	30	45	24	1.2	34	4	220
17HM3630	0.9	34	0.4	30	22	20	1.2	34	6	220
17HM3616	0.9	34	0.16	75	54	12	1.2	34	6	220
17HM4401	0.9	40	1.7	1.5	3.8	36	1.8	54	4	280
17HM4402	0.9	40	1.3	2.5	6.2	36	1.8	54	4	280
17HM4602	0.9	40	1.2	3.2	3.8	26	1.8	54	6	280
17HM4630	0.9	40	0.4	30	34	26	1.8	54	6	280
17HM8401	0.9	48	1.7	1.8	4.0	42	2.2	68	4	350
17HM8402	0.9	48	1.3	3.0	7.0	36	2.2	68	4	350
17HM8403	0.9	48	2.3	1.2	2.0	42	2.2	68	4	350
17HM8630	0.9	48	0.4	30	28	27	2.2	68	6	350

***Note:** We can manufacture products according to customer's requirements.

Dimensions: unit=mm

Motor Length:

Model	Length
17HM2XXX	28 mm
17HM3XXX	34 mm
17HM4XXX	40 mm
17HM8XXX	48 mm

2 Phase Hybrid Stepper Motor 23HM series-Size 57mm(0.9 degree)

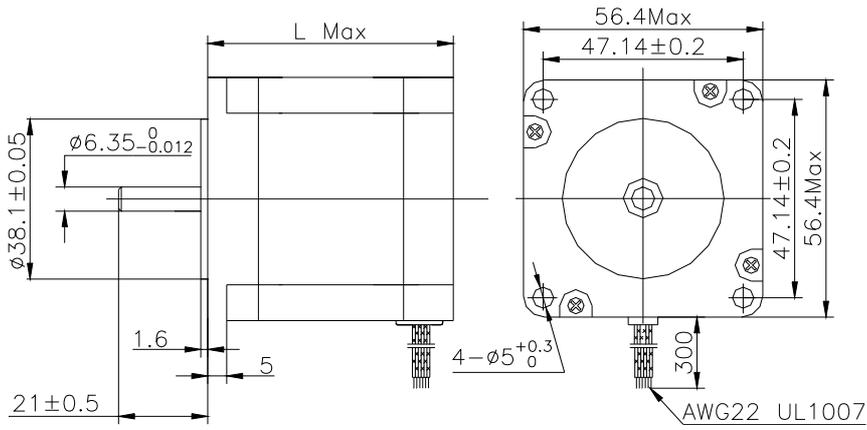

Wiring Diagram:

Electrical Specifications:

Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
23HM0601	0.9	41	1.0	5.2	6.2	24	2.5	150	6	470
23HM0405	0.9	41	0.62	12	28	32	2.5	150	4	470
23HM0408	0.9	41	2.0	1.2	3.0	32	2.5	150	4	470
23HM4425	0.9	45	2.5	1.0	3.0	62	2.8	190	4	520
23HM5406	0.9	51	0.62	13	34	70	3.0	230	4	590
23HM5425	0.9	51	2.5	1.2	3.8	70	3.0	230	4	590
23HM6602	0.9	56	1.5	3.2	6.5	82	3.5	280	6	680
23HM6403	0.9	56	2.5	1.3	5.2	100	3.5	280	4	680
23HM6430	0.9	56	3.0	0.8	2.8	100	3.5	280	4	680
23HM6404	0.9	56	4.2	0.4	1.5	100	3.5	280	4	680
23HM7401	0.9	64	1.0	7.5	28	110	5.0	380	4	850
23HM7425	0.9	64	2.5	1.5	5.8	110	5.0	380	4	850
23HM7430	0.9	64	3.0	0.8	3.0	110	5.0	380	4	850
23HM7404	0.9	64	4.2	0.55	1.5	110	5.0	380	4	850
23HM8603	0.9	76	1.5	4.5	10	125	6.0	440	6	1050
23HM8425	0.9	76	2.5	1.8	8.2	150	6.0	440	4	1050
23HM8430	0.9	76	3.0	1.0	4.3	150	6.0	440	4	1050
23HM8404	0.9	76	4.2	0.65	2.2	150	6.0	440	4	1050

*Note: We can manufacture products according to customer's requirements.

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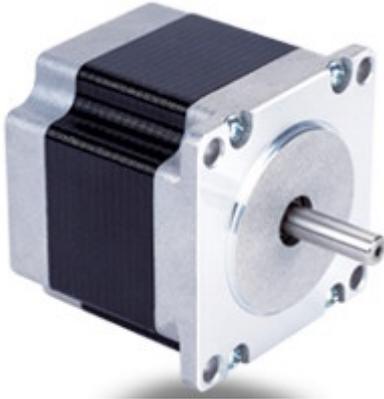
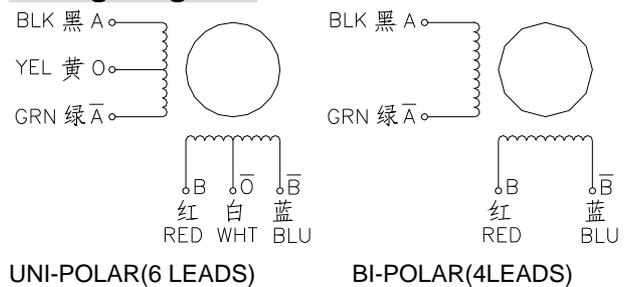
Dimensions: unit=mm



Motor Length:

Model	Length
23HM0XXX	41 mm
23HM4XXX	45 mm
23HM5XXX	51 mm
23HM6XXX	56 mm
23HM7XXX	64 mm
23HM8XXX	76 mm

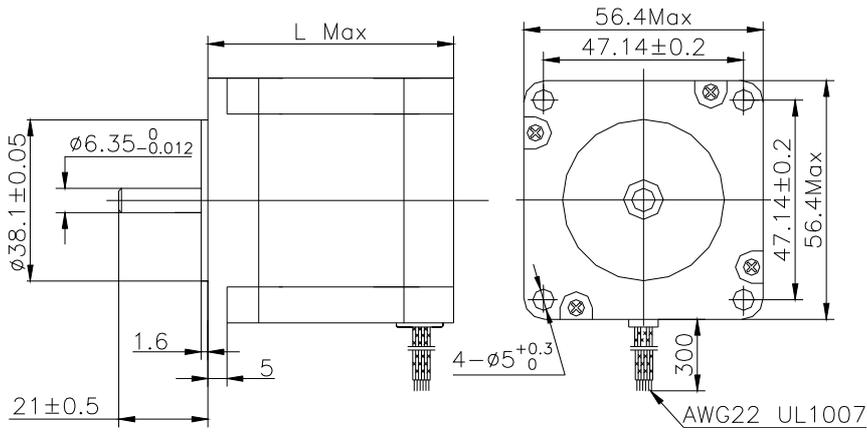
2 Phase Hybrid Stepper Motor 23HS series-Size 57mm(1.8 degree)


Wiring Diagram:

Electrical Specifications:

Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
23HS0601	1.8	41	1.0	5.2	5.5	40	2.5	150	6	470
23HS0405	1.8	41	0.62	12	24	55	2.5	150	4	470
23HS0408	1.8	41	2.0	1.2	2.5	55	2.5	150	4	470
23HS4412	1.8	45	0.62	12	26	80	2.8	190	4	520
23HS4425	1.8	45	2.5	1.0	2.2	80	2.8	190	4	520
23HS5406	1.8	51	0.62	13	28	110	2.8	190	4	520
23HS5425	1.8	51	2.5	1.2	3.2	110	2.8	190	4	520
23HS5602	1.8	51	0.8	6.8	9.2	70	3.0	230	6	590
23HS6602	1.8	56	1.5	3.2	5.5	90	3.5	280	6	590
23HS6403	1.8	56	2.5	1.3	3.6	110	3.5	280	4	680
23HS6430	1.8	56	3.0	0.8	2.4	110	3.5	280	4	680
23HS6404	1.8	56	4.2	0.4	1.2	110	3.5	280	4	680
23HS7401	1.8	64	1.0	7.5	20	150	5.0	380	4	850
23HS7425	1.8	64	2.5	1.5	4.5	150	5.0	380	4	850
23HS7430	1.8	64	3.0	0.8	2.3	150	5.0	380	4	850
23HS7404	1.8	64	4.2	0.55	1.2	150	5.0	380	4	850
23HS8603	1.8	76	1.5	4.5	10	140	6.0	440	6	1050
23HS8425	1.8	76	2.5	1.8	6.5	180	6.0	440	4	1050
23HS8430	1.8	76	3.0	1.0	3.5	180	6.0	440	4	1050
23HS8404	1.8	76	4.2	0.6	1.8	180	6.0	440	4	1050
23HS1430	1.8	100	3.0	1.4	5.5	250	10	680	4	1250
23HS1410	1.8	100	4.2	0.8	3.0	250	10	680	4	1250
23HS2430	1.8	112	3.0	1.6	6.8	280	12	800	4	1400
23HS2410	1.8	112	4.2	0.9	3.8	280	12	800	4	1400

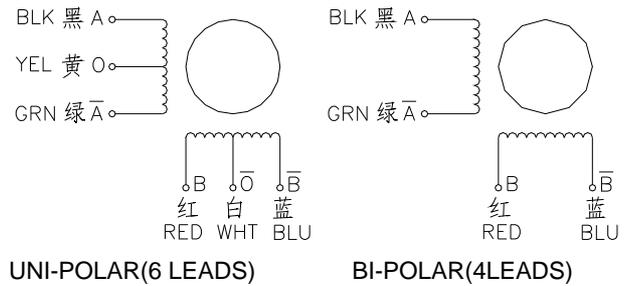
*Note: We can manufacture products according to customer's requirements.

MotionKing (China) Motor Industry Co., Ltd.

Dimensions: unit=mm
Motor Length:


Model	Length
23HS0XXX	41 mm
23HS4XXX	45 mm
23HS5XXX	51 mm
23HS6XXX	56 mm
23HS7XXX	64 mm
23HS8XXX	76 mm
23HS1XXX	100 mm
23HS2XXX	112 mm

2 Phase Hybrid Stepper Motor 23HY series-Size 57mm(1.8 degree)


Wiring Diagram:

Electrical Specifications:

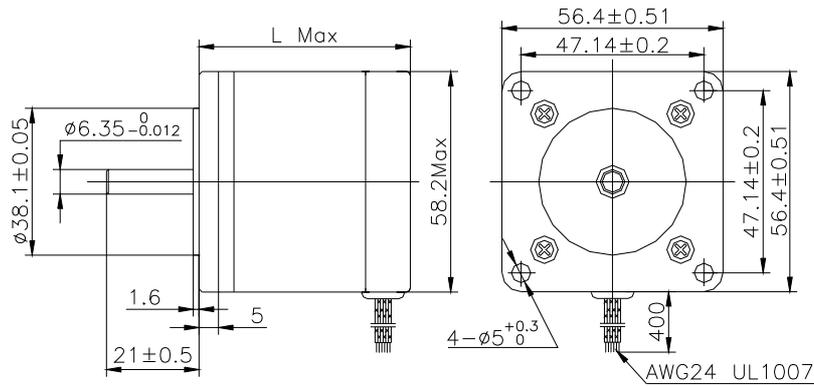
Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (g)
23HY4607	1.8	41	0.38	32	30	30	3.5	60	6	450
23HY4455	1.8	41	1.55	1.8	3.5	22	3.5	60	4	450
23HY4456	1.8	41	2.1	0.8	1.4	32	3.5	60	4	450
23HY4656	1.8	41	1.5	1.5	1.4	24	3.5	60	6	450
23HY5607	1.8	51	0.38	32	28	38	5.5	118	6	600
23HY5666	1.8	51	0.85	7.1	8.5	45	5.5	118	6	600
23HY5627	1.8	51	1.4	2.5	32	45	5.5	118	6	600
23HY5481	1.8	51	1.4	2.5	6.2	62	5.5	118	6	600
23HY5460	1.8	51	2.0	1.3	3.2	62	5.5	118	4	600
23HY6684	1.8	56	0.6	20	20	60	6.5	145	6	650
23HY6669	1.8	56	1.2	5.0	6.8	60	6.5	145	6	650
23HY6659	1.8	56	1.6	5.2	30	60	6.5	145	6	650
23HY6609	1.8	56	2.4	1.0	1.2	60	6.5	145	6	650
23HY6496	1.8	56	2.5	1.2	3.0	80	6.5	145	4	650
23HY7406	1.8	76	4.2	0.6	1.4	110	6.5	145	4	800
23HY7407	1.8	76	2.1	2.2	6.2	110	9.5	230	6	800
23HY7408	1.8	76	3.6	0.8	2.2	110	9.5	230	4	800

*Note: We can manufacture products according to customer's requirements.

MotionKing (China) Motor Industry Co., Ltd.

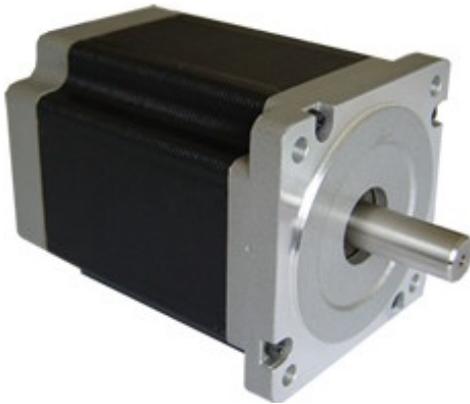
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Motor Length:

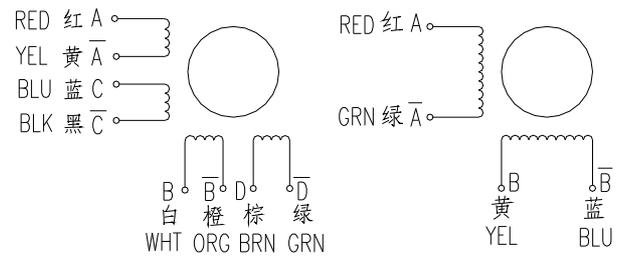


Model	Length
23HY4XXX	41 mm
23HY5XXX	51 mm
23HY6XXX	56 mm
23HY7XXX	76 mm

2 Phase Hybrid Stepper Motor 34HS series-Size 86mm(1.8 degree)



Wiring Diagram:



UNI/BI-POLAR(8 LEADS)

BI-POLAR(4LEADS)

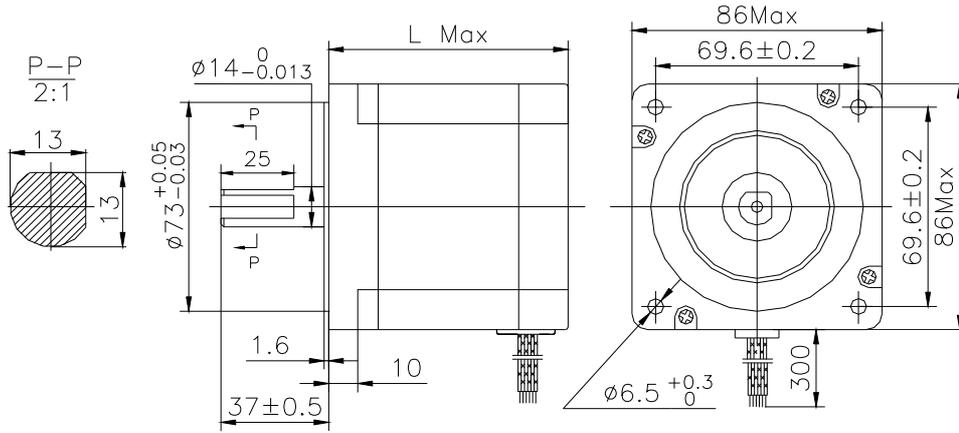
Electrical Specifications (UNI-POLAR):

Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (kg)
34HS6801	1.8	63	4.0	0.6	1.6	220	5.5	0.85	8	2.0
34HS6802	1.8	63	5.0	0.4	1.0	220	5.5	0.85	8	2.0
34HS6803	1.8	63	2.7	1.2	3.5	220	5.5	0.85	8	2.0
34HS8801	1.8	78	4.0	0.7	3.0	300	6.5	1.05	8	2.5
34HS8802	1.8	78	5.0	0.5	1.8	300	6.5	1.05	8	2.5
34HS8803	1.8	78	2.7	1.6	5.6	300	6.5	1.05	8	2.5
34HS9801	1.8	98	4.0	0.98	4.1	490	9.5	1.55	8	3.0
34HS9802	1.8	98	5.0	0.65	2.4	490	9.5	1.55	8	3.0
34HS9803	1.8	98	2.7	1.9	8.6	490	9.5	1.55	8	3.0
34HS4801	1.8	114	4.0	1.1	5.5	580	12.5	1.8	8	4.0
34HS4802	1.8	114	5.0	0.75	3.2	580	12.5	1.8	8	4.0
34HS4803	1.8	114	2.7	2.0	11.5	580	12.5	1.8	8	4.0
34HS2801	1.8	126	4.0	1.3	5.8	640	18.5	2.2	8	4.5
34HS2802	1.8	126	5.0	0.85	3.4	640	18.5	2.2	8	4.5
34HS2803	1.8	126	2.7	2.5	12.5	640	18.5	2.2	8	4.5
34HS5801	1.8	150	4.0	1.4	9.2	850	24.5	2.5	8	5.0
34HS5802	1.8	150	5.0	0.9	5.2	850	24.5	2.5	8	5.0
34HS5803	1.8	150	2.7	2.9	17.5	850	24.5	2.5	8	5.0
34HS5804	1.8	150	4.7	0.75	8.4	930	28	3.7	4	5.0

***Note:**

- 1) We can manufacture products according to customer's requirements.
- 2) We can also supply BI-POLAR stepper motors, but they were not listed, the details please contact us.

MotionKing (China) Motor Industry Co., Ltd.

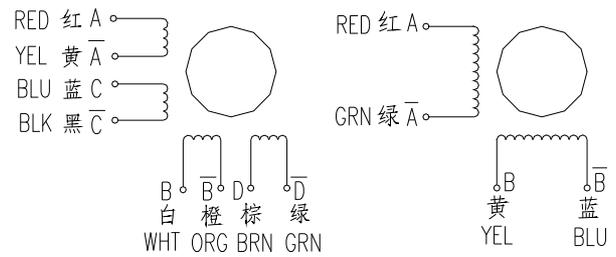
Dimensions: unit=mm

Motor Length:

Model	Length
34HS6XXX	66 mm
34HS8XXX	78 mm
34HS9XXX	98 mm
34HS4XXX	114 mm
34HS2XXX	126 mm
34HS5XXX	150 mm

2 Phase Hybrid Stepper Motor 34HY series-Size 86mm(1.8 degree)



Wiring Diagram:



UNI/BI-POLAR(8 LEADS)

BI-POLAR(4LEADS)

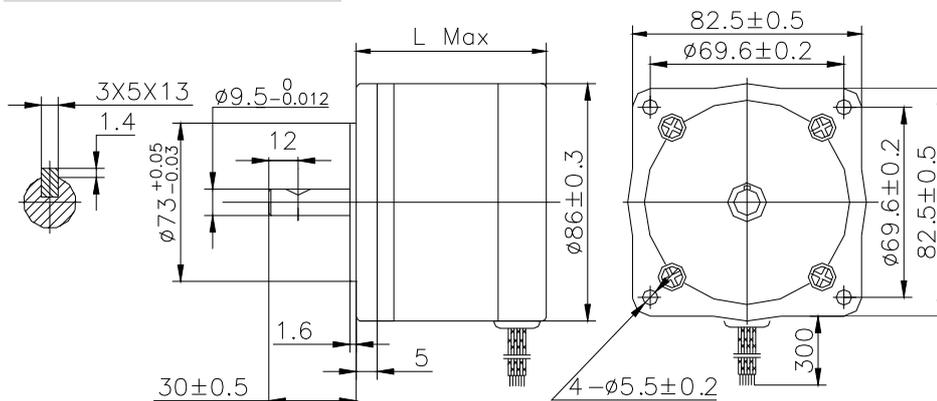
Electrical Specifications (UNI-POLAR):

Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N.cm Min)	Detent Torque (N.cm Max)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (kg)
34HY6801	1.8	63	4.0	0.68	2.0	180	4.5	0.64	8	1.6
34HY6802	1.8	63	5.0	0.45	1.5	180	4.5	0.64	8	1.6
34HY6803	1.8	63	2.7	1.2	4.5	180	4.5	0.64	8	1.6
34HY6804	1.8	63	2.1	1.9	7.2	180	4.5	0.64	8	1.6
34HY9801	1.8	92	4.0	0.89	3.8	320	6.5	1.3	8	2.6
34HY9802	1.8	92	5.0	0.58	2.8	320	6.5	1.3	8	2.6
34HY9803	1.8	92	2.7	1.7	9.0	320	6.5	1.3	8	2.6
34HY9804	1.8	92	2.1	2.7	15	320	6.5	1.3	8	2.6
34HY1801	1.8	122	4	1.1	5.6	450	10.5	1.9	8	3.8
34HY1802	1.8	122	5.0	0.82	3.6	450	10.5	1.9	8	3.8
34HY1803	1.8	122	2.7	2.5	12.5	450	10.5	1.9	8	3.8

*Note:

- 1) We can manufacture products according to customer's requirements.
- 2) We can also supply BI-POLAR stepper motors, but they were not listed, the details please contact us.

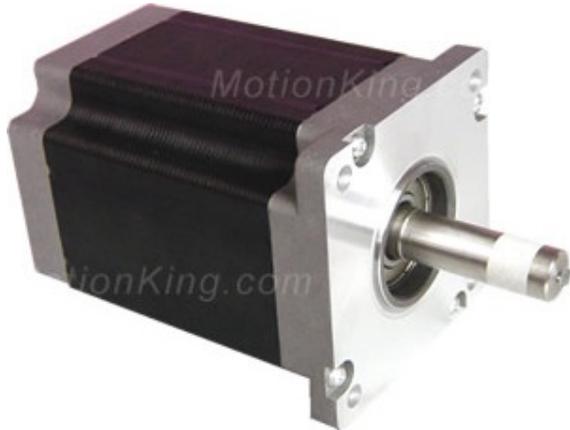
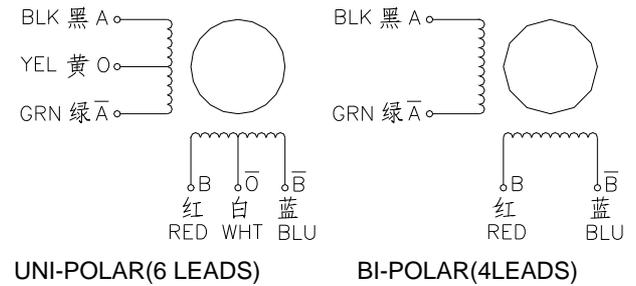
Dimensions: unit=mm



Moto Length:

Model	Length
34HY6XXX	63 mm
34HY9XXX	92 mm
34HY1XXX	122 mm

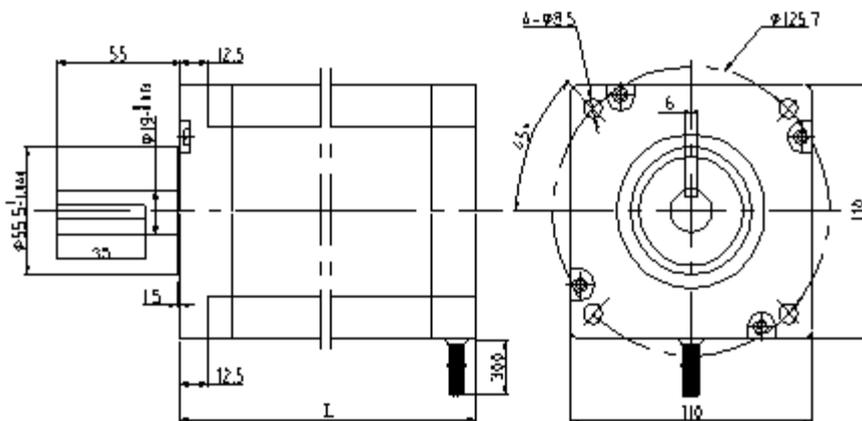
2 Phase Hybrid Stepper Motor 43HS series-Size 110mm(1.8 degree)


Wiring Diagram:

Electrical Specifications (BI-POLAR):

Series Model	Step Angle (deg)	Motor Length (mm)	Rated Current (A)	Phase Resistance (ohm)	Phase Inductance (mH)	Holding Torque (N. m Min)	Rotor Inertia (g.cm ²)	Lead Wire (No.)	Motor Weight (kg)
43HS2A115-604	1.8	115	6.0	0.95	15	13.7	5500	4	5.0
43HS2A150-654	1.8	150	6.5	1.15	18.9	21	11000	4	8.4
43HS2A165-654	1.8	165	6.5	0.65	14	26	13000	4	9.5

***Note:**

- 1) We can manufacture products according to customer's requirements.
- 2) We can also supply UNI-POLAR stepper motors, but they were not listed, the details please contact us.

Dimensions: unit=mm

Motor Length:

Model	Length
43HS2A115XX	115 mm
43HS2A150XX	150 mm
43HS2A165XX	165 mm