



DORNA STEPPER SYSTEMS

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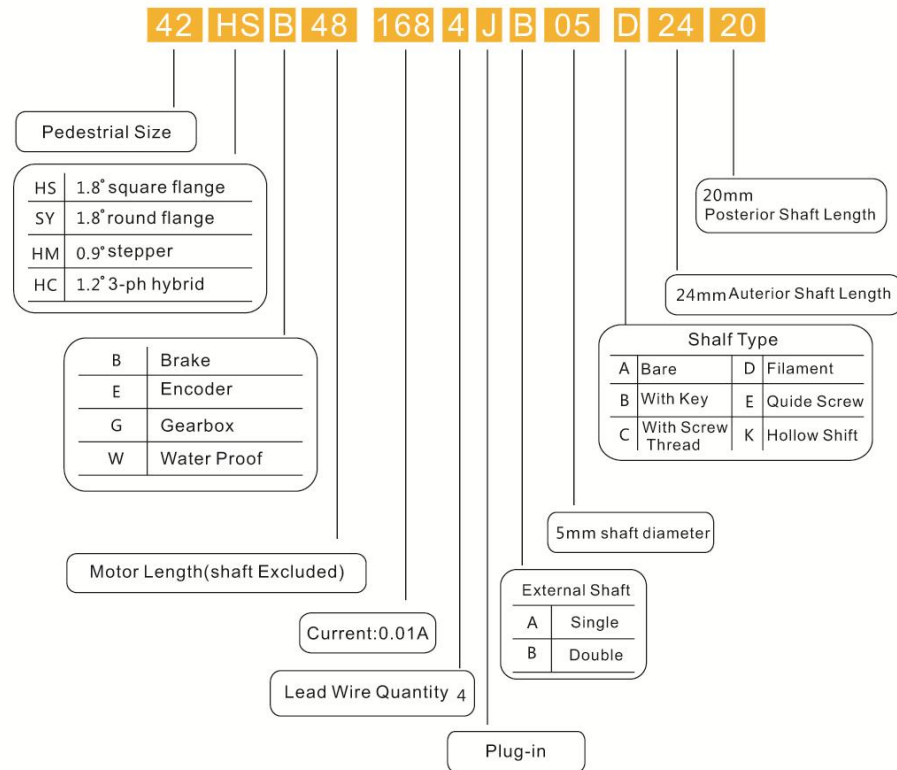
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Motor Model Identifications



20HS 1.8° 两相混合式步进电机

NEMA8 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	20N(20mm from th flange)
最大轴向压力 Max.Axial Force	2N



28HS 1.8° 两相混合式步进电机

NEMA11 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	28N(20mm from th flange)
最大轴向压力 Max.Axial Force	10N



技术参数 (Electrical Specifications)

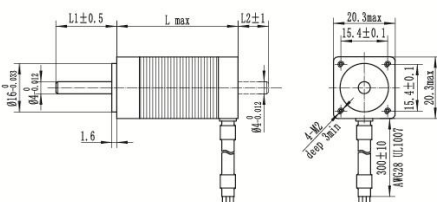
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (g.cm)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (g)
20HS28-0204	1.8	4.6	0.2	23	8.2	140	2.5	28	4	50
20HS30-0506	1.8	5.75	0.5	11.5	1.7	180	2.8	30	6	60
20HS33-0604	1.8	3.9	0.6	4.5	1.6	180	3.2	33	4	70
20HS38-0604	1.8	6	0.6	10	5.5	260	3.6	38	4	80
20HS42-0604	1.8	1.2	0.8	1.5	5.4	300	4	42	4	90

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products,products of special request can be made according to the customer request.

外形图 (Dimensions)

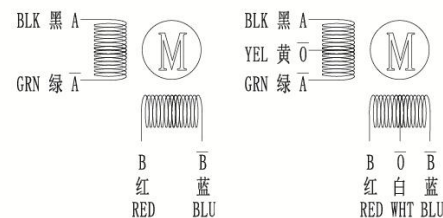
(单位/Unit:mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



4 线 (4 Leads)

6 线 (6 Leads)

技术参数 (Electrical Specifications)

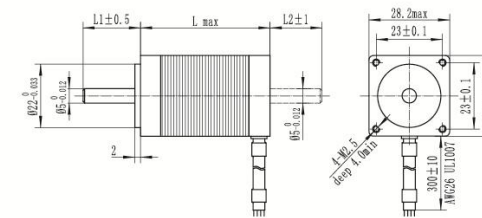
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (g.cm)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (g)
28HS28-0354	1.8	4.2	0.35	12	5.8	450	6	28	4	105
28HS28-0604	1.8	2.52	0.6	4.2	2.2	450	6	28	4	105
28HS32-0674	1.8	3.88	0.67	5.8	3.2	600	9	32	4	110
28HS32-0956	1.8	2.75	0.95	2.9	0.9	430	9	32	6	110
28HS45-0674	1.8	4.56	0.67	6.8	4.9	950	12	45	4	140
28HS45-0956	1.8	3.4	0.95	3.4	1.2	750	12	45	6	140
28HS51-0674	1.8	3.2	0.67	9.2	7.2	1200	18	51	4	200
28HS51-0956	1.8	4.4	0.95	4.6	1.8	900	18	51	6	200

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外形图 (Dimensions)

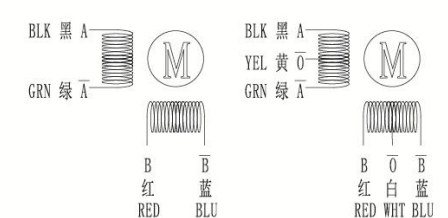
(单位/Unit:mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



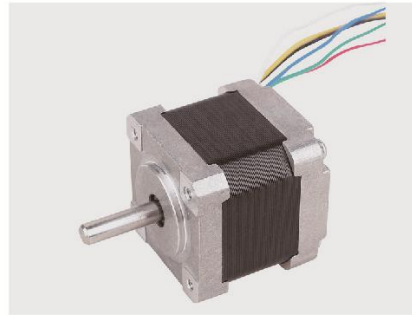
4 线 (4 Leads)

6 线 (6 Leads)

35HM 0.9° 两相混合式步进电机

NEMA14 0.9° 2-Phase Hybrid Stepper Motor

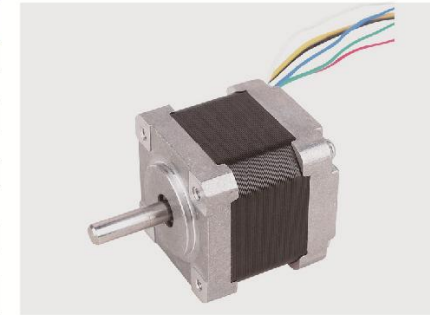
项目 Item	规范 Specifications
步距角 Step Angle	0.9°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	28N(20mm from th flange)
最大轴向压力 Max.Axial Force	10N



35HS 1.8° 两相混合式步进电机

NEMA14 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	28N(20mm from th flange)
最大轴向压力 Max.Axial Force	10N



技术参数 (Electrical Specifications)

型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (g.cm)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (g)
35HM28-0244	0.9	8.2	0.24	34	42	700	12	28	4	150
35HM28-0804	0.9	3.6	0.8	4.5	4.2	900	12	28	4	130
35HM33-0554	0.9	6.6	0.55	12	19	1400	18	33	4	180
35HM36-0704	0.9	4.3	0.7	6.2	12	1200	14	36	4	190
35HM36-0804	0.9	4.8	0.8	6	10	1400	18	33	4	190

以上仅为代表产品，特殊要求产品可根据要求定制。

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技术参数 (Electrical Specifications)

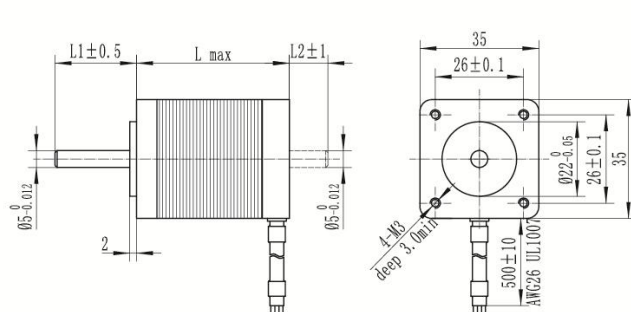
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35HS30-0804	1.8	5.44	0.8	6.8	8	1200	17	30	4	150
35HS30-1504	1.8	2.25	1.5	1.5	1.8	1200	17	30	4	150
35HS34-0504	1.8	6.6	0.5	13.2	14	1500	20	34	4	170
35HS34-1204	1.8	3	1.2	2.5	3.5	1500	20	34	4	170
35HS38-1684	1.8	2.77	1.68	1.65	2.8	2000	24	38	4	200
35HS38-2004	1.8	5.6	2	2.8	3.8	2500	24	38	4	200
35HS45-0804	1.8	6	0.8	7.5	12	3000	28	45	4	250
35HS45-2004	1.8	5	2	2.5	2.6	4500	28	45	4	250

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

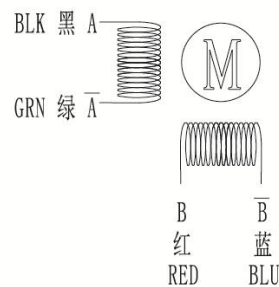
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

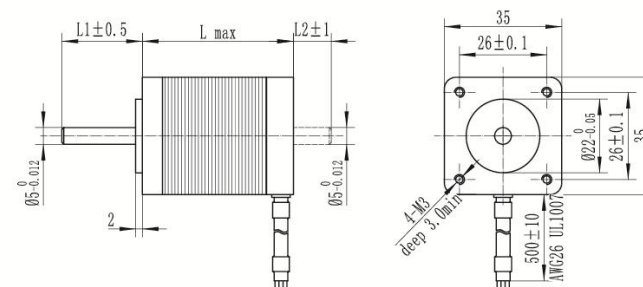
接线图 (Wiring Diagram)



4 线 (4 Leads)

外形图 (Dimensions)

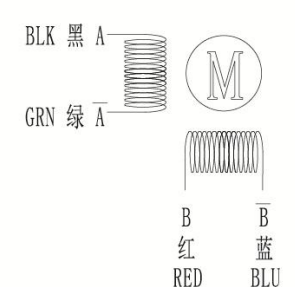
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



4 线 (4 Leads)

39HM 0.9° 两相混合式步进电机

NEMA16 0.9° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	0.9°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max (450g-load)
最大径向压力 Max.Radial Force	28N(20mm from th flange)
最大轴向压力 Max.Axial Force	10N



技术参数 (Electrical Specifications)

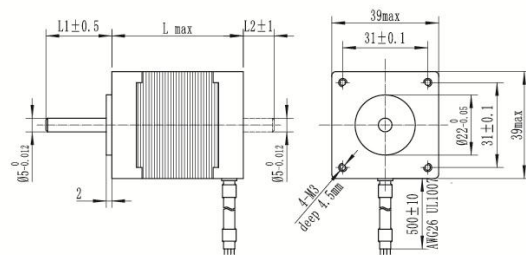
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (g)
39HM20-0504	0.9	4.0	0.5	8	8.4	0.8	50	15	20	4	100
39HM26-0506	0.9	12	0.5	24	13	1	50	11	26	6	150
39HM26-0604	0.9	5.4	0.6	9	16	1.4	50	18	26	4	150
39HM33-0406	0.9	12	0.4	30	16	1.2	120	23	33	6	160
39HM33-0604	0.9	5.4	0.6	9	15	1.6	120	23	33	4	160
39HM33-1204	0.9	3	1.2	2.5	3.6	1.6	120	23	33	4	160
39HM40-0406	0.9	12	0.4	30	26	1.8	180	30	40	6	210
39HM40-0604	0.9	7.2	0.6	12	20	2.2	180	30	40	4	210
39HM40-1204	0.9	3.84	1.2	3.2	5.5	2.2	180	30	40	4	210

以上仅为代表产品，特殊要求产品可根据要求定制。

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外形图 (Dimensions)

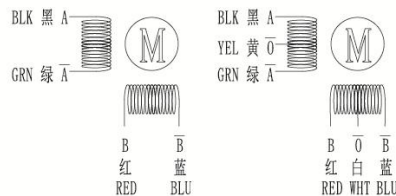
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



39HS 1.8° 两相混合式步进电机

NEMA16 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max (450g-load)
最大径向压力 Max.Radial Force	28N(20mm from th flange)
最大轴向压力 Max.Axial Force	10N



技术参数 (Electrical Specifications)

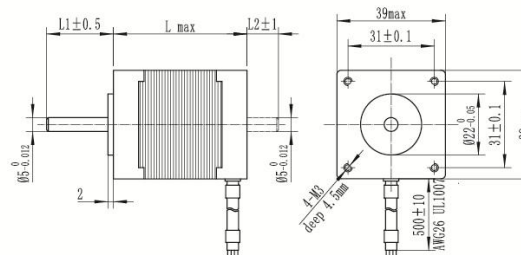
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (g)
39HS20-0404A	1.8	2.64	0.4	7.5	6.6	0.65	50	11	20	4	120
39HS20-0506A	1.8	6.5	0.5	7.5	1.3	0.8	50	11	20	6	120
39HS34-0654A	1.8	4.55	0.65	9.3	7	1.8	120	20	34	4	210
39HS34-0366A	1.8	12	0.3	20	40	1.3	120	20	34	6	210
39HS38-0504A	1.8	12	0.5	45	24	2.9	180	24	38	4	250
39HS38-0806A	1.8	6	0.8	6	7.5	2	180	24	38	6	250
39HS44-0304A	1.8	12	0.3	80	42	3	250	40	44	4	260

以上仅为代表产品，特殊要求产品可根据要求定制。

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外形图 (Dimensions)

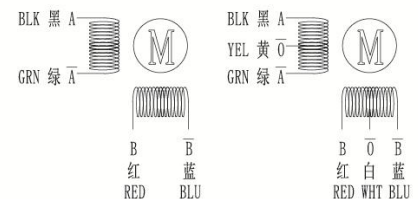
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



42HM 0.9° 两相混合式步进电机

NEMA17 0.9° 2-Phase Hybrid Stepper Motor

项 目 Item	规 范 Specifications
步距角 Step Angle	0.9°
温升 Temperature Rise	80℃ Max
环境温度 Ambient Temperature	-20℃ Max~+50℃
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	28N(20mm from th flange)
最大轴向压力 Max Axial Force	10N



技术参数 (Electrical Specifications)

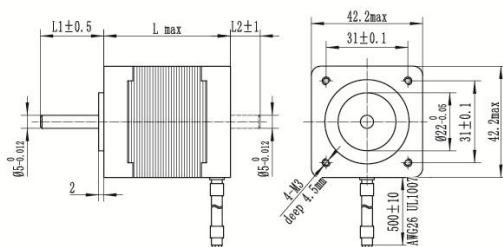
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
42HM34-0404	0.9	8.0	0.4	20	25	1.8	200	35	34	4	0.22
42HM34-0606	0.9	6.8	0.6	10	11.3	1.9	200	35	34	6	0.22
42HM34-1204	0.9	3.24	1.2	2.7	5.2	2.3	200	35	34	4	0.22
42HM40-1704	0.9	2.7	1.7	1.6	4	3.2	220	54	40	4	0.28
42HM40-2004	0.9	2.4	2	1.2	2.8	3.2	220	54	40	4	0.28
42HM40-0806	0.9	5.44	0.8	6.8	10.2	3	220	54	40	6	0.28
42HM48-0406	0.9	12.0	0.4	30	28	4	250	68	48	6	0.38
42HM48-0804	0.9	6.2	0.8	7.8	20	3.2	250	68	48	4	0.38
42HM48-1684	0.9	2.8	1.68	1.65	4.1	4.4	250	68	48	4	0.38

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

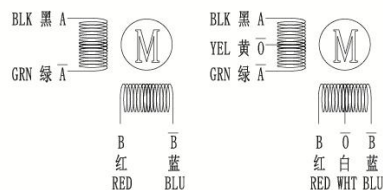
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



4 线 (4 Leads)

6 线 (6 Leads)

42HS 1.8° 两相混合式步进电机

NEMA17 1.8° 2-Phase Hybrid Stepper Motor

项 目 Item	规 范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80℃ Max
环境温度 Ambient Temperature	-20℃ Max~+50℃
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	28N(20mm from th flange)
最大轴向压力 Max.Axial Force	10N



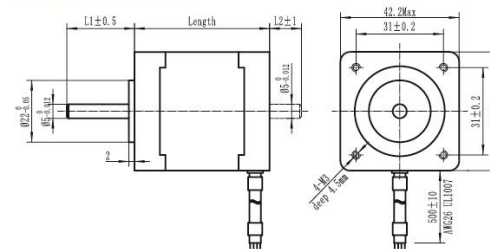
技术参数 (Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	电压 Rated Voltage (V)	电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
42HS29-0804	1.8	2.3	0.8	2.9	3	1.8	180	25	29	4	0.16
42HS34-0404	1.8	12.0	0.4	30	35	3.2	200	34	34	4	0.22
42HS34-0844	1.8	4.8	0.84	5.75	8	2.8	200	34	34	4	0.22
42HS34-1704	1.8	2.2	1.7	1.3	1.8	2.8	200	34	34	4	0.22
42HS40-0404	1.8	12.0	0.4	30	60	4.2	220	54	40	4	0.28
42HS40-0804	1.8	5.4	0.8	6.8	12	4.5	220	54	40	4	0.28
42HS40-1204	1.8	6.6	1.2	5.5	11	5.2	220	54	40	4	0.28
42HS40-1684	1.8	2.8	1.68	1.68	3.4	4	220	54	40	4	0.28
42HS40-1704	1.8	3.4	1.7	2	3	4	220	54	40	4	0.28
42HS40-1206	1.8	4.0	1.2	3.3	3.5	2.97	220	54	40	6	0.28
42HS48-0404	1.8	12.0	0.4	30	45	4.5	280	68	48	4	0.38
42HS48-1004	1.8	4.5	1	4.5	10	5	280	68	48	4	0.38
42HS48-1304	1.8	4.6	1.3	3.5	6.6	5.5	280	68	48	4	0.38
42HS48-1504	1.8	4.2	1.5	2.8	5.5	5.5	280	68	48	4	0.38
42HS48-1684	1.8	3.4	1.68	2	3.8	5.2	280	68	48	4	0.38
42HS48-0406	1.8	12.0	0.4	30	28	3.2	280	68	48	6	0.38
42HS52-1504	1.8	4.5	1.5	3	7	6.8	300	95	52	4	0.45
42HS60-1504	1.8	3.8	1.5	2.5	6	7	360	95	60	4	0.55

以上仅为代表产品，特殊要求产品可根据要求定制。Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

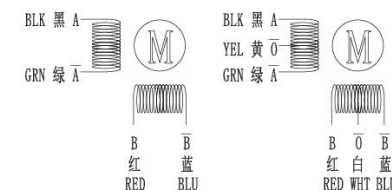
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customer's requirements

接线图 (Wiring Diagram)



4 线 (4 Leads)

6 线 (6 Leads)

57HC 1.2° 三相混合式步进电机

NEMA23 3-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.2°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	75N(20mm from th flange)
最大轴向压力 Max.Axial Force	15N



技术参数 (Electrical Specifications)

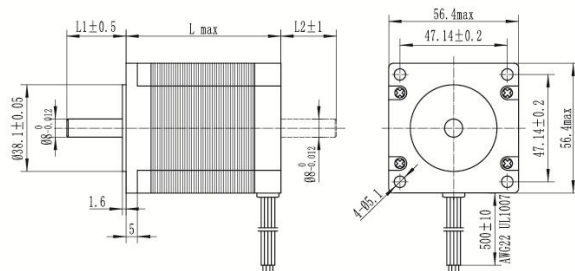
型号 Model No.	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
57HC42-5206	1.2	6.76	5.2	1.3	1.1	4.5	210	110	42	6	0.48
57HC56-5606	1.2	3.92	5.6	0.7	1.1	9	400	300	56	6	0.72
57HC79-5806	1.2	6.09	5.8	1.05	1.3	15	680	480	79	6	1.1

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

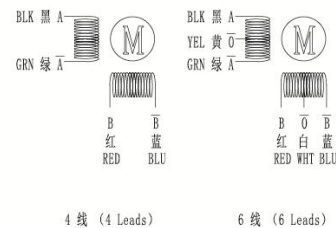
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



57HM 0.9° 两相混合式步进电机

NEMA23 0.9° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	0.9°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	75N(20mm from th flange)
最大轴向压力 Max.Axial Force	15N



技术参数 (Electrical Specifications)

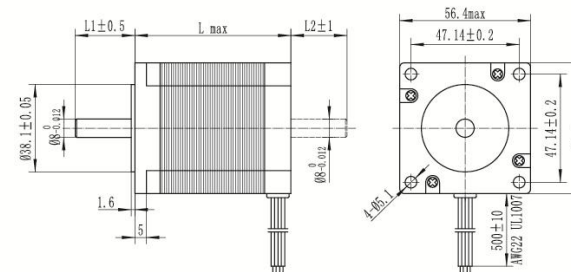
型号 Model No.	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
57HM41-1006	0.9	4.2	1	4.2	6	3.9	210	120	41	6	0.45
57HM41-2006	0.9	2.4	2	1.2	2.1	3.9	210	120	41	6	0.45
57HM51-0604	0.9	6.6	0.6	11	33	8	260	240	51	4	0.56
57HM51-1704	0.9	6.8	1.7	4	14	7.5	260	240	51	4	0.56
57HM56-2006	0.9	3.3	2	1.65	4.5	10	400	300	56	6	0.7
57HM56-3004	0.9	2.7	3	0.9	3.5	10	400	300	56	4	0.7
57HM56-4204	0.9	1.7	4.2	0.4	1.5	10.5	400	300	56	4	0.7
57HM64-1004	0.9	7.8	1	7.8	29.2	12	500	380	64	4	0.85
57HM64-4204	0.9	1.8	4.2	0.43	1.6	13	500	380	64	4	0.85
57HM76-1006	0.9	8.6	1	8.6	23.2	13.5	680	440	76	6	1.05
57HM76-3004	0.9	3.6	3	1.2	4.5	15	680	440	76	4	1.05
57HM76-4204	0.9	2.1	4.2	0.51	2.4	18	680	440	76	4	1.05

以上仅为代表产品，特殊要求产品可根据要求定制。

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外形图 (Dimensions)

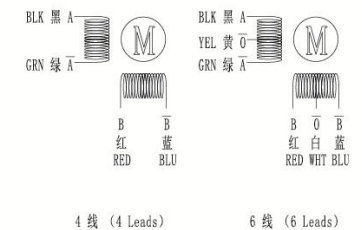
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



57HS 1.8° 两相混合式步进电机

NEMA23 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	75N(20mm from th flange)
最大轴向压力 Max.Axial Force	15N



技术参数 (Electrical Specifications)

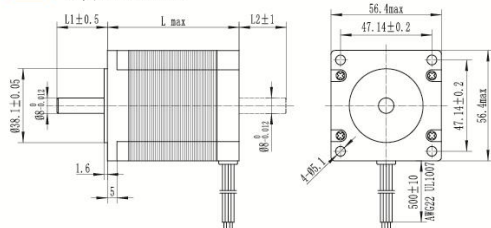
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机壳长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
57HS41-2004	1.8	2	2	1	1.2	3.2	210	120	41	4	0.45
57HS41-1004	1.8	5.4	1	5.4	9.5	5.5	210	120	41	4	0.45
57HS41-2004	1.8	2	2	1	2.2	5	210	120	41	4	0.45
57HS51-1504	1.8	2.4	1.5	1.6	3.8	8.2	360	275	51	4	0.65
57HS51-2004	1.8	2.4	2	1.2	3	9	360	275	51	4	0.65
57HS51-2006	1.8	2	2	1	1.6	7	360	275	51	6	0.65
57HS56-1504	1.8	5.7	1.5	3.8	12	13.5	400	300	56	4	0.7
57HS56-3004	1.8	2.85	3	0.95	2.8	12	400	300	56	4	0.7
57HS56-2006	1.8	3.6	2	1.8	2.8	9	400	300	56	6	0.7
57HS64-3004	1.8	3.9	3	1.3	2.2	15	500	380	64	4	0.8
57HS76-2004	1.8	8.6	2	4.3	16.2	24	680	480	76	4	1
57HS76-3004	1.8	2.7	3	0.9	3.5	20	680	480	76	4	1
57HS76-4004	1.8	2.4	4	0.6	2.2	20	680	480	76	4	1
57HS82-3004	1.8	4.2	3	1.4	5	22	700	510	82	4	1.2
57HS82-4004	1.8	3	4	0.75	3.5	20	700	510	82	4	1.2
57HS100-3004	1.8	3	3	1	4.5	25	1000	680	100	4	1.4
57HS112-3004	1.8	3.9	3	1.3	6.5	30	1200	800	112	4	1.7
57HS112-3504	1.8	2.45	3.5	0.7	3	28	1200	800	112	4	1.7

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

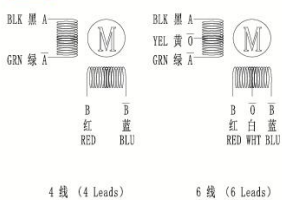
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



4 线 (4 Leads)

6 线 (6 Leads)

57HY 圆形混合式步进电机

NEMA23 Round Shape Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	75N(20mm from th flange)
最大轴向压力 Max.Axial Force	15N



技术参数 (Electrical Specifications)

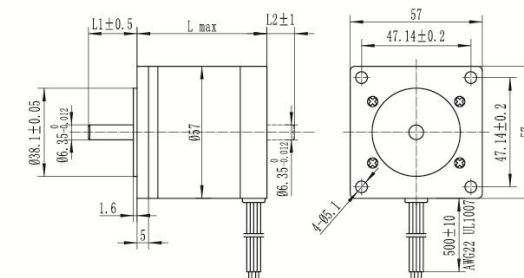
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机壳长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
57HY41-0406	1.8	12	0.4	30	30	2.8	180	57	41	6	0.54
57HY41-1504	1.8	2.85	1.5	1.9	4	3	180	57	41	4	0.54
57HY41-2104	1.8	1.68	2.1	0.8	1.4	3.2	180	57	41	4	0.54
57HY51-0426	1.8	12	0.42	29	36	5	350	110	51	6	0.6
57HY51-1504	1.8	3.75	1.5	2.5	6	6	350	110	51	4	0.6
57HY51-2004	1.8	2.6	2	1.3	3.2	6	350	110	51	4	0.6
57HY56-0606	1.8	12	0.6	20	20	6	420	145	56	6	0.65
57HY56-1206	1.8	6	1.2	5	6.8	6	420	145	56	6	0.65
57HY56-2804	1.8	2	2.8	0.72	1.8	8	420	145	56	4	0.65
57HY76-0686	1.8	12	0.68	17.7	30	9	720	200	76	6	0.95
57HY76-2104	1.8	4.62	2.1	2.2	6.2	11	720	230	76	4	0.95

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

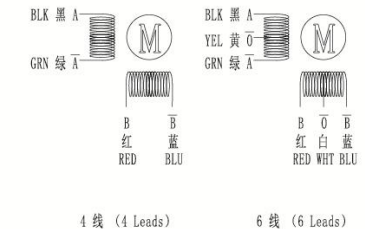
(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



4 线 (4 Leads)

6 线 (6 Leads)

60HS 1.8° 两相混合式步进电机

NEMA24 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	75N(20mm from th flange)
最大轴向压力 Max.Axial Force	15N



86HC 1.2° 三相混合式步进电机

NEMA34 1.2° 3-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.2°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	220N(20mm from th flange)
最大轴向压力 Max.Axial Force	60N



技术参数 (Electrical Specifications)

型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
60HS45-3004	1.8	2.4	3	0.8	1.6	9.5	350	200	45	4	0.55
60HS56-3004	1.8	2.4	3	0.8	2.4	16	400	300	56	4	0.8
60HS67-4004	1.8	2.2	4	0.55	1.8	20	500	500	67	4	1
60HS67-2808	1.8	3.4	2.8	1.2	4	21	500	590	67	8	1
60HS88-4004	1.8	3.2	4	0.8	3.5	30	1200	860	88	4	1.4
60HS88-2808	1.8	4.5	2.8	1.6	7	30	1200	860	88	8	1.4
60HS100-3504	1.8	3.2	3.5	0.9	3.8	32	1400	1200	100	4	1.6

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products,products of special request can be made according to the customer request.

技术参数 (Electrical Specifications)

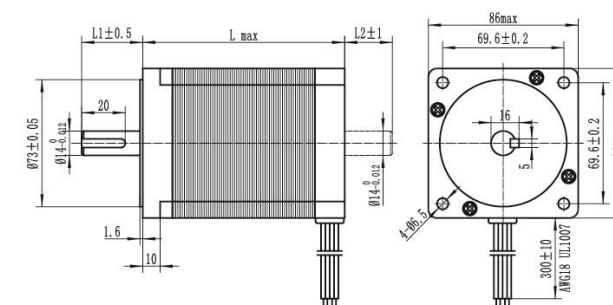
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
86HC67-1756	1.2	7.4	1.75	4.25	12.3	22.6	1000	1100	67	6	1.9
86HC97-2006	1.2	10.8	2	5.4	23	43	2000	1400	97	6	3.1
86HC97-5806	1.2	5.2	5.8	0.9	3.2	46	2000	1400	97	6	3.1
86HC97-5206	1.2	6.2	5.2	1.2	5.2	45	2000	1400	97	6	3.1
86HC127-2256	1.2	20.3	2.25	9	41	65	3000	2700	127	6	4.3
86HC127-5206	1.2	14.3	5.2	2.75	13.7	67	3000	2700	127	6	4.3
86HC150-5006	1.2	7.5	5	1.5	3	70	3600	4700	150	6	4.6

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products,products of special request can be made according to the customer request.

外形图 (Dimensions)

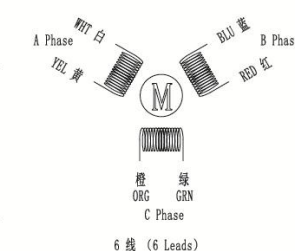
(单位/Unit:mm)



注: L1及L2可根据客户要求定制

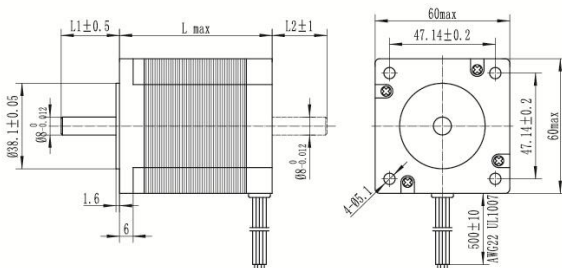
L1 and L2 can be customized according to customers' requirements.

接线图 (Wiring Diagram)



外形图 (Dimensions)

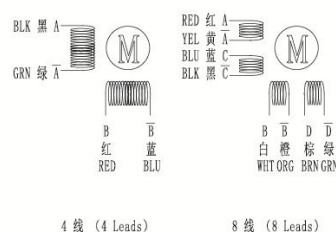
(单位/Unit:mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

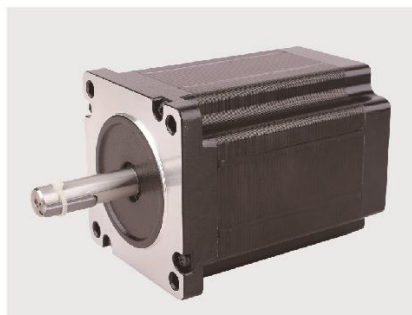
接线图 (Wiring Diagram)



86HS 1.8° 两相混合式步进电机

NEMA34 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	220N(20mm from th flange)
最大轴向压力 Max.Axial Force	60N


 技术参数 (Electrical Specifications)

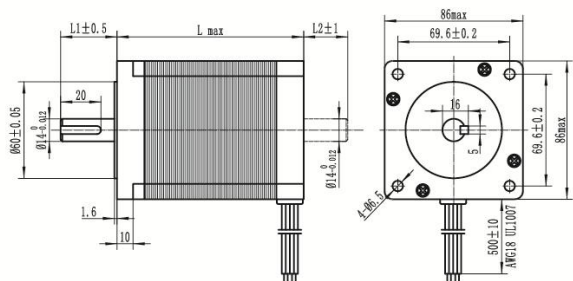
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	转动惯量 Rotor Inertia (g.cm²)	定位力矩 Detent Torque (g.cm Max)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
86HS65-3004	1.8	3.3	3	1.1	6.5	28	1000	800	65	4	1.7
86HS68-4004	1.8	1.3	4	0.33	1.6	35	1200	1000	68	4	1.7
86HS78-4004	1.8	1.5	4	0.38	2.5	35	1400	1200	78	4	2.3
86HS78-4204	1.8	1.9	4.2	0.45	4	45	1400	1200	78	4	2.3
86HS78-6008	1.8	3.0	6	0.5	4	45	1400	1200	78	8	2.3
86HS82-4504	1.8	1.4	4.5	0.32	2.8	45	1500	1300	82	4	2.5
86HS82-5608	1.8	2.0	5.6	0.35	3	50	1500	1300	82	8	2.5
86HS100-5004	1.8	2.5	5	0.5	4	68	2100	2000	100	4	3.2
86HS100-5008	1.8	2.5	5	0.5	4	65	2100	2000	100	8	3.2
86HS118-6004	1.8	3.6	6	0.6	6	85	2700	2400	118	4	3.7
86HS118-5608	1.8	3.4	5.6	0.6	6	85	2700	2400	156	8	3.7
86HS156-5504	1.8	3.9	5.5	0.7	9	120	4000	3600	156	4	5.5
86HS156-6204	1.8	3.6	6.2	0.75	9	122	4000	3600	156	8	5.5

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products,products of special request can be made according to the customer request.

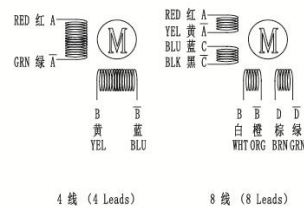
 外形图 (Dimensions)

(单位/Unit=mm)



注: L1及L2可根据客户要求定制

L1 and L2 can be customized according to customers' requirements.

 接线图 (Wiring Diagram)


86HY 圆形混合式步进电机

NEMA34 Round Shape Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	220N(20mm from th flange)
最大轴向压力 Max.Axial Force	60N


 技术参数 (Electrical Specifications)

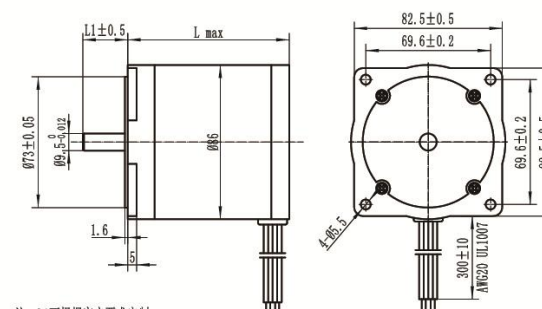
型号 Model No	步距角 Step Angle (°)	相电压 Rated Voltage (V)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (Kg.cm)	定位力矩 Detent Torque (g.cm Max)	转动惯量 Rotor Torque (g.cm²)	机身长度 Motor Length (mm)	引线数 Lead Wires No.	重量 Motor Weight (Kg)
86HY62-4506	1.8	2.3	4.5	0.52	1.3	16	800	580	62	6	1.5
86HY62-5904	1.8	2.1	5.9	0.36	1.73	20	800	560	62	4	1.5
86HY94-4006	1.8	2.8	4	0.71	3.35	36	2400	1100	94	6	2.6
86HY94-5604	1.8	2.1	5.6	0.36	2.5	45	2400	1100	94	4	2.6
86HY134-6706	1.8	2.7	6.7	0.4	1.77	60	3600	1800	134	6	3.6
86HY134-5604	1.8	3.1	5.6	0.56	6.45	75	3600	1800	134	4	3.6

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products,products of special request can be made according to the customer request.

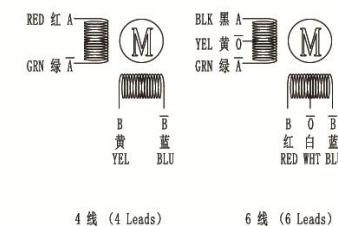
 外形图 (Dimensions)

(单位/Unit=mm)



注: L1可根据客户要求定制

L1 can be customized according to customers' requirements.

 接线图 (Wiring Diagram)


110HC 1.2° 三相混合式步进电机

NEMA42 1.2° 3-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.2°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	220N(20mm from th flange)
最大轴向压力 Max.Axial Force	60N



110HS 1.8° 两相混合式步进电机

NEMA42 1.8° 2-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	220(20mm from th flange)
最大轴向压力 Max.Axial Force	60N



技术参数 (Electrical Specifications)

型号 Model No	步距角 Step Angle (°)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	接线方式 Wiring	重量 Motor Weight (Kg)
110HC118-4203	1.2	4.2	1	12.5	8	7400	118	四芯插座	5.5
110HC125-4203	1.2	4.2	1.1	9	9	7800	125	Four	6
110HC139-4203	1.2	4.2	1.2	13	12	8400	139	Hole	6.5
110HC180-6403	1.2	6.4	0.9	9.5	16	12800	180	Socket	8.5
110HC221-5203	1.2	5.2	1.9	18	20	16800	221		11

以上仅为代表产品，特殊要求产品可根据要求定制。

Above only for representative products, products of special request can be made according to the customer request.

技术参数 (Electrical Specifications)

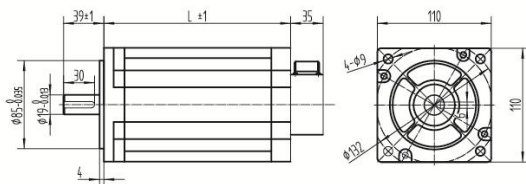
型号 Model No	步距角 Step Angle (°)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Inertia (g.cm²)	机身长度 Motor Length (mm)	引线数 Leads No.	重量 Motor Weight (Kg)
110HS99-5504	1.8	5.5	0.72	10.9	11	5500	99	4	5
110HS115-6004	1.8	6	0.44	7.17	12	7200	115	4	6.2
110HS150-6504	1.8	6.5	0.72	12.8	20	10900	150	4	8.4
110HS168-8004	1.8	8	0.9	16	24	13000	168	4	9.8
110HS201-8004	1.8	8	0.71	15.38	33	16200	201	4	11.7

以上仅为代表产品，特殊要求产品可根据要求定制。

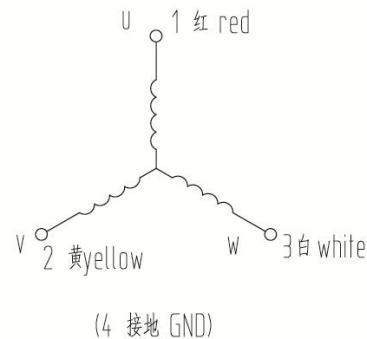
Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

(单位/Unit=mm)

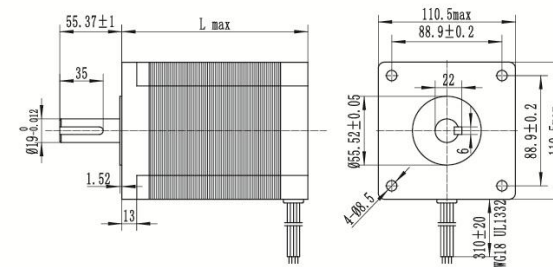


接线图 (Wiring Diagram)

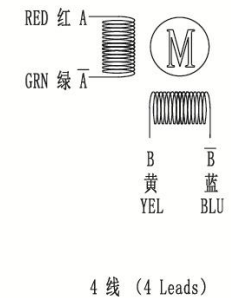


外形图 (Dimensions)

(单位/Unit=mm)



接线图 (Wiring Diagram)



130HC 1.2° 三相混合式步进电机

NEMA52 1.2° 3-Phase Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.2°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	220N(20mm from th flange)
最大轴向压力 Max.Axial Force	60N



130HY 圆形混合式步进电机

NEMA52 Round Shape Hybrid Stepper Motor

项目 Item	规范 Specifications
步距角 Step Angle	1.8°
温升 Temperature Rise	80°C Max
环境温度 Ambient Temperature	-20°C Max~+50°C
绝缘电阻 Insulation Resistance	100M ΩMin.,500VDC
电气强度 Dielectric Strength	500VAC for 1 minute
径向间隙 Shaft Radial Play	0.02Max (450g-load)
轴向间隙 Shaft Axial Play	0.08Max(450g-load)
最大径向压力 Max.Radial Force	220N(20mm from th flange)
最大轴向压力 Max.Axial Force	60N



技术参数 (Electrical Specifications)

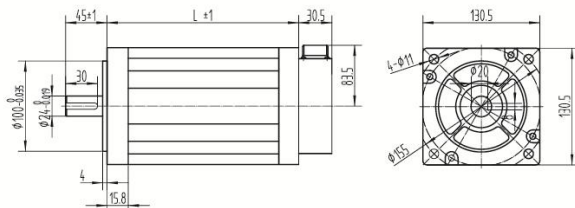
型号 Model No	步距角 Step Angle (°)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	机身长度 Motor Length (mm)	接线方式 Wiring	重量 Motor Weight (Kg)
130HC125-10003	1.2	10	0.83	7.65	15	125	四芯插座	6
130HC135-10003	1.2	10	0.82	7.99	17	135	Four Hole	7
130HC139-10003	1.2	10	0.75	9	20	139	Socket	8
130HC230-10003	1.2	10	1.3	12.66	40	230		18
130HC286-7003	1.2	7	1.82	18.5	50	286		22

以上仅为代表产品，特殊要求产品可根据要求定制。

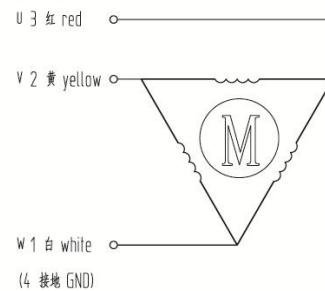
Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

(单位/Unit=mm)



接线图 (Wiring Diagram)



技术参数 (Electrical Specifications)

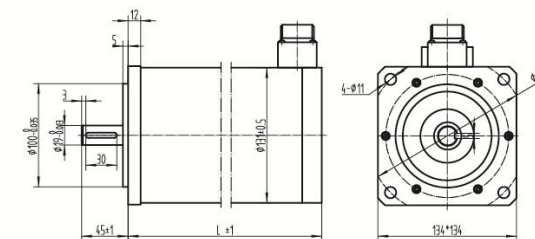
型号 Model No	步距角 Step Angle (°)	相电流 Rated Current (A)	相电阻 Phase Resistance (Ω)	相电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	机身长度 Motor Length (mm)	接线方式 Wiring	重量 Motor Weight (Kg)
130HY199-6004	1.8	6	0.75	12	25	199	五芯插座	16
130HY226-6004	1.8	6	0.86	12.5	27	226	Five Hole	18
130HY282-6004	1.8	6	0.66	9	37	282	Socket	22

以上仅为代表产品，特殊要求产品可根据要求定制。

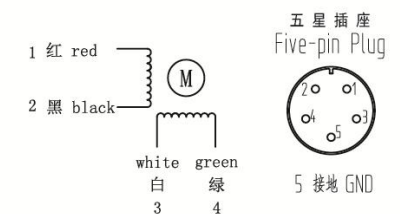
Above only for representative products, products of special request can be made according to the customer request.

外形图 (Dimensions)

(单位/Unit=mm)

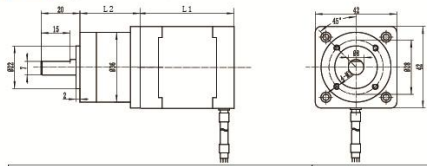


接线图 (Wiring Diagram)

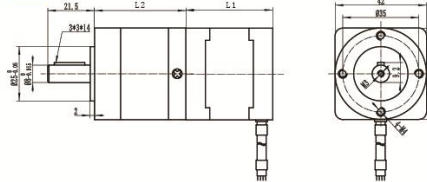


42HSG 行星减速电机

NEMA 17 Planetary Geared Stepper Motor

PL42-B 外形图 (Dimensions)
(单位/unit=mm)

Specifications		1 级 First Stage	2 级 Second Stage	3 级 Third Stage
减速比 Gear Ratio		3.71、5.18	14、19、27	51、71、100、139
长度 Length	mm	31	38.5	48.2
额定负载 Rated Load	N.m	1.8	3	4.8
最大负载 Max Load	N.m	5.3	8.9	14
效率 Efficiency	%	90	81	73
回差 Backlash	arcmin	≤ 60	≤ 75	≤ 90
重量 Weight	Kg	0.2	0.25	0.3
额定输入转速 Rated Input Speed	RPM	3000	3000	3000
最大输入转速 Max Input Speed	RPM	5000	5000	5000
防护等级 Protection Class	IP	65	65	65
润滑 Lubrication		油脂 Grease	油脂 Grease	油脂 Grease
噪音 Noise	dB	≤ 45	≤ 45	≤ 45
寿命 Life	h	20000	20000	20000

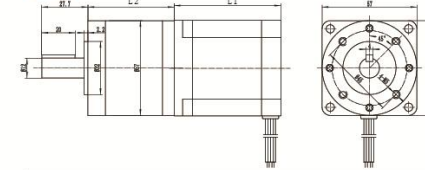
PL42 外形图 (Dimensions)
(单位/unit=mm)

Specifications		1 级 First Stage	2 级 Second Stage
减速比 Gear Ratio		4,5,7,9,10	16,20,25,28,35,36,40,45,49,50,53,70,81,90,100
长度 Length	mm	42	52
额定负载 Rated Load	N.m	3.5	15
最大负载 Max Load	N.m	6	25
效率 Efficiency	%	95	90
回差 Backlash	arcmin	≤ 15	≤ 25
重量 Weight	Kg	0.4	0.6
额定输入转速 Rated Input Speed	RPM	3000	3000
最大输入转速 Max Input Speed	RPM	5000	5000
防护等级 Protection Class	IP	65	65
润滑 Lubrication		油脂 Grease	油脂 Grease
噪音 Noise	dB	≤ 45	≤ 45
寿命 Life	h	20000	20000

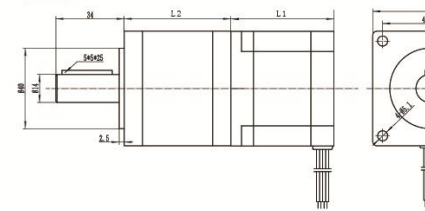
备注: L1是步进电机长度, L2是减速箱长度。步进电机参数参考第 (8) 页。
Remark: L1 is stepper motor length, L2 is gearbox length. Stepper motor specification see page (8)

57HSG 行星减速电机

Nema 23 Planetary Geared Stepper Motor

PL57-B 外形图 (Dimensions)
(单位/unit=mm)

Specifications		1 级 First Stage	2 级 Second Stage	3 级 Third Stage
减速比 Gear Ratio		3.60、4.25	13、15、18	47、55、65、77
长度 Length	mm	40.5	51.8	63.1
额定负载 Rated Load	N.m	9	15	24
最大负载 Max Load	N.m	26	44	71
效率 Efficiency	%	90	81	73
回差 Backlash	arcmin	≤ 60	≤ 75	≤ 90
重量 Weight	Kg	0.7	0.8	0.9
额定输入转速 Rated Input Speed	RPM	3000	3000	3000
最大输入转速 Max Input Speed	RPM	5000	5000	5000
防护等级 Protection Class	IP	65	65	65
润滑 Lubrication		油脂 Grease	油脂 Grease	油脂 Grease
噪音 Noise	dB	≤ 45	≤ 45	≤ 45
寿命 Life	h	20000	20000	20000

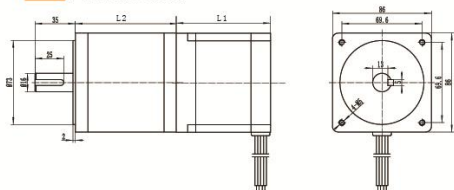
PL57 外形图 (Dimensions)
(单位/unit=mm)

Specifications		1 级 First Stage	2 级 Second Stage
减速比 Gear Ratio		4、5、7、9、10	16、20、25、28、35、36、40、45、49、50、63、70、81、90、100
长度 Length	mm	53	70
额定负载 Rated Load	N.m	6	25
最大负载 Max Load	N.m	12	40
效率 Efficiency	%	95	90
回差 Backlash	arcmin	≤ 15	≤ 25
重量 Weight	Kg	0.8	1.1
额定输入转速 Rated Input Speed	RPM	3000	3000
最大输入转速 Max Input Speed	RPM	5000	5000
防护等级 Protection Class	IP	65	65
润滑 Lubrication		油脂 Grease	油脂 Grease
噪音 Noise	dB	≤ 45	≤ 45
寿命 Life	h	20000	20000

备注: L1是步进电机长度, L2是减速箱长度。步进电机参数参考第 (11) 页。
Remark: L1 is stepper motor length, L2 is gearbox length. Stepper motor specification see page (11)

86HSG 行星减速电机

Nema 34 Planetary Geared Stepper Motor

PL86 外形图 (Dimensions)
(单位/unit=mm)

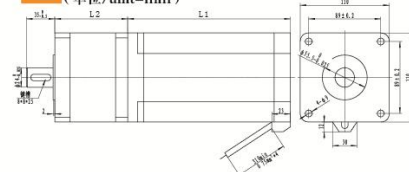
Specifications		1 级 First Stage	2 级 Second Stage
减速比 Gear Ratio		4、5、7、9、10	16、20、25、28、35、36、40、45、49、50、63、70、81、90、100
长度 Length	mm	73	87
额定负载 Rated Load	N.m	50	80
最大负载 Max Load	N.m	100	160
效率 Efficiency	%	96	94
回差 Backlash	arcmin	≤ 15	≤ 25
重量 Weight	Kg	2	2.5
额定输入转速 Rated Input Speed	RPM	3000	3000
最大输入转速 Max Input Speed	RPM	5000	5000
防护等级 Protection Class	IP	65	65
润滑 Lubrication		油脂 Grease	油脂 Grease
噪音 Noise	dB	≤ 45	≤ 45
寿命 Life	h	20000	20000

备注: L1是步进电机长度, L2是减速箱长度。步进电机参数参考第 (15) 页。

Remark: L1 is stepper motor length, L2 is gearbox length. Stepper motor specification see page (15)

110HSG 行星减速电机

Nema 42 Planetary Geared Stepper Motor

PL110 外形图 (Dimensions)
(单位/unit=mm)

Specifications		1 级 First Stage	2 级 Second Stage
减速比 Gear Ratio		4、5、8	16、20、25、32、40、64
长度 Length	mm	90	118
额定负载 Rated Load	N.m	230	260
最大负载 Max Load	N.m	460	520
效率 Efficiency	%	96	94
回差 Backlash	arcmin	≤ 15	≤ 25
重量 Weight	Kg	2	2.5
额定输入转速 Rated Input Speed	RPM	3000	3000
最大输入转速 Max Input Speed	RPM	5000	5000
防护等级 Protection Class	IP	65	65
润滑 Lubrication		油脂 Grease	油脂 Grease
噪音 Noise	dB	≤ 45	≤ 45
寿命 Life	h	20000	20000

备注: L1是步进电机长度, L2是减速箱长度。步进电机参数参考第 (18) 页。

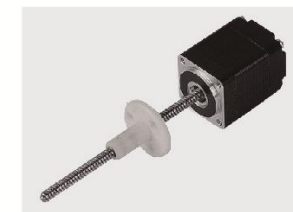
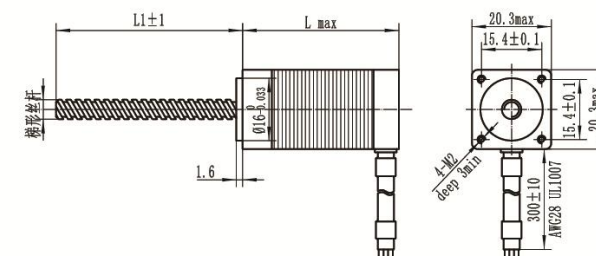
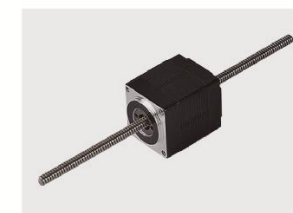
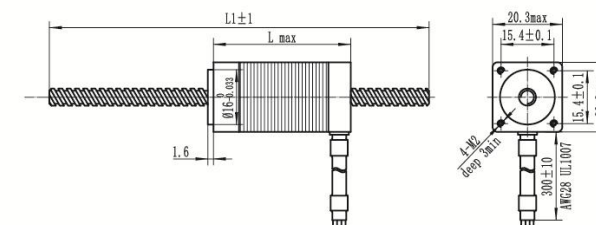
Remark: L1 is stepper motor length, L2 is gearbox length. Stepper motor specification see page (18)

20HSL 直线电机

NEMA8 Linear Stepper Motor

丝杆规格 (Lead Screw Specifications)

丝杆直径 Diameter	导程 Lead Distance(mm)	丝杆头数 Start	步长 Step Length(mm)	适用电机 Applicable Motor
M5	1.6	2	0.008	20HSL-E
Tr3.5	0.61	1	0.00305	20HSL-N
Tr5	2	2	0.01	20HSL-E
Tr6.5	3	2	0.015	20HSL-E

20HSL-E外部驱动式机械尺寸 (External Type Dimensions)
(单位/unit=mm)20HSL-N贯穿式机械尺寸 (Non-captive Type Dimensions)
(单位/unit=mm)

备注: 丝杆长度及外部驱动式配套螺母可定制。电机技术参数及接线图见P(1)

Remark: Lead screw length and the nut for external type can be customized. The technical specifications and wiring diagram for the stepper motor see P(1)

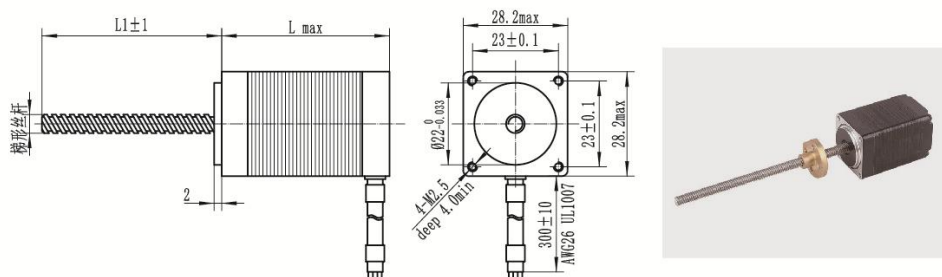
28HSL 直线电机

NEMA11 Linear Stepper Motor

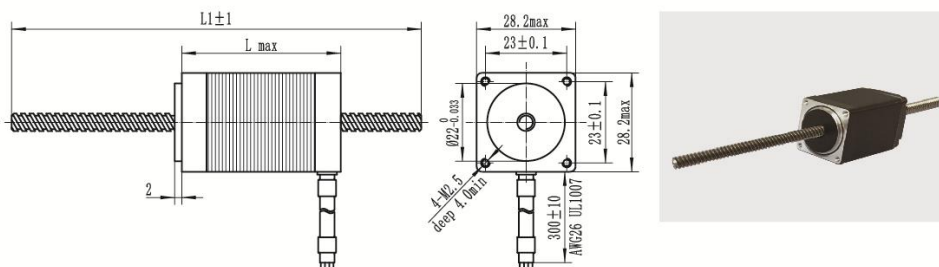
丝杆规格 (Lead Screw Specifications)

丝杆直径 Diameter	导程 Lead Distance(mm)	丝杆头数 Start	步长 Step Length(mm)	适用电机 Applicable Motor
M5	1.6	2	0.008	28HSL-E
Tr5	2	2	0.01	28HSL-E, 28HSL-N
Tr6.5	3	2	0.015	28HSL-E

28HSL-E外部驱动式机械尺寸 (External Type Dimensions) (单位/unit=mm)



28HSL-N贯穿式机械尺寸 (Non-captive Type Dimensions) (单位/unit=mm)



备注：丝杆长度及外部驱动式配套螺母可定制。电机技术参数及接线图见P(2)
Remark: Lead screw length and the nut for external type can be customized. The technical specifications and wiring diagram for the stepper motor see P(2)

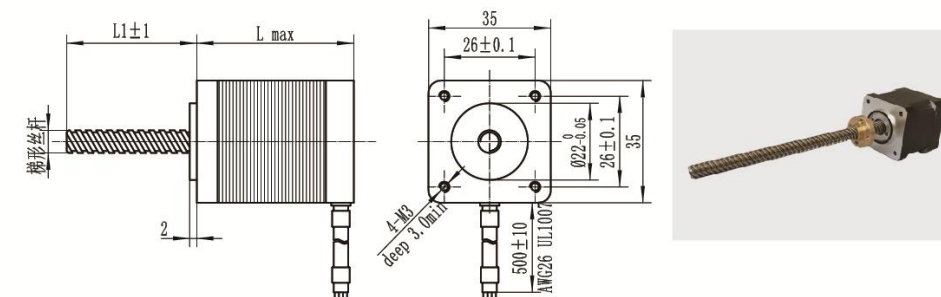
35HSL 直线电机

NEMA14 Linear Stepper Motor

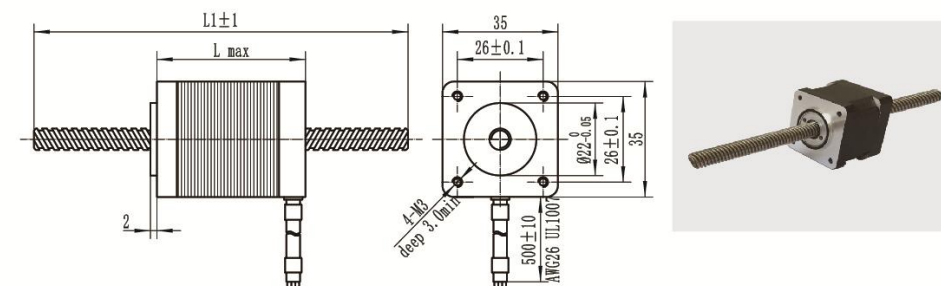
丝杆规格 (Lead Screw Specifications)

丝杆直径 Diameter	导程 (mm) Lead Distance	丝杆头数 Start	步长 (mm) Step Length	适用电机 Applicable Motor
M5	1.6	2	0.008	35HSL-E, 35HSL-N
Tr5	2	2	0.01	35HSL-E, 35HSL-N
Tr6.5	3	2	0.015	35HSL-E, 35HSL-N
Tr8	1	1	0.005	35HSL-E
Tr8	2	1	0.01	35HSL-E
Tr8	4	2	0.02	35HSL-E
Tr8	8	4	0.04	35HSL-E

35HSL-E外部驱动式机械尺寸 (External Type Dimensions) (单位/unit=mm)



35HSL-N贯穿式机械尺寸 (Non-captive Type Dimensions) (单位/unit=mm)



备注：丝杆长度及外部驱动式配套螺母可定制。电机技术参数及接线图见P(4)
Remark: Lead screw length and the nut for external type can be customized. The technical specifications and wiring diagram for the stepper motor see P(4)

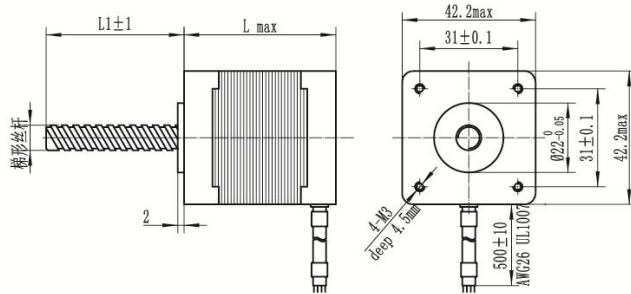
42HSL 直线电机

NEMA17 Linear Stepper Motor

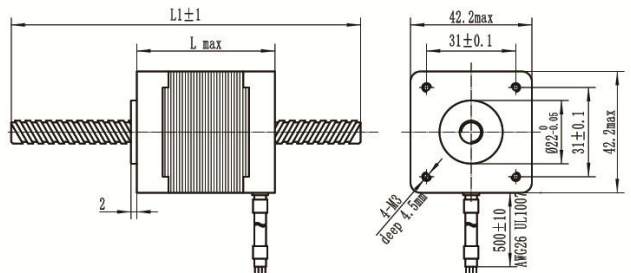
丝杆规格 (Lead Screw Specifications)

丝杆直径 Diameter	导程 Lead Distance(mm)	丝杆头数 Start	步长 Step Length(Mm)	适用电机 Applicable Motor
M5	1.6	2	0.008	42HSL-E, 42HSL-N
Tr5	2	2	0.01	42HSL-E, 42HSL-N
Tr6.5	3	2	0.015	42HSL-E, 42HSL-N
Tr8	1	1	0.005	42HSL-E, 42HSL-N
Tr8	2	1	0.01	42HSL-E, 42HSL-N
Tr8	4	2	0.02	42HSL-E, 42HSL-N
Tr8	8	4	0.04	42HSL-E, 42HSL-N
Tr10	2	1	0.01	42HSL-E
Tr10	4	2	0.02	42HSL-E

42HSL-E外部驱动式机械尺寸 (External Type Dimensions) (单位/unit=mm)



42HSL-N贯穿式机械尺寸 (Non-captive Type Dimensions) (单位/unit=mm)



备注：丝杆长度及外部驱动式配套螺母可定制。电机技术参数及接线图见P(8)
Remark: Lead screw length and the nut for external type can be customized. The technical specifications and wiring diagram for the stepper motor see P(8)

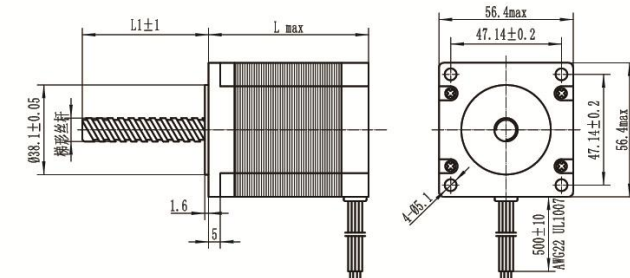
57HSL 直线电机

NEMA23 Linear Stepper Motor

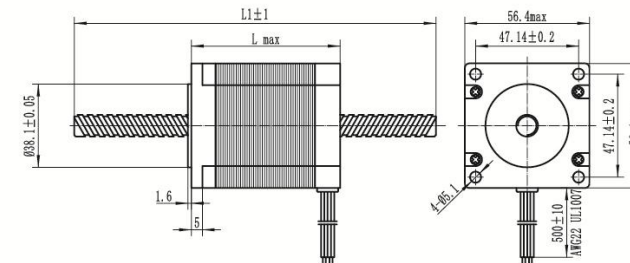
丝杆规格 (Lead Screw Specifications)

丝杆直径 Diameter	导程 Lead Distance(mm)	丝杆头数 Start	步长 Step Length(mm)	适用电机 Applicable Motor
Tr8	1	1	0.005	57HSL-E, 57HSL-N
Tr8	2	1	0.01	57HSL-E, 57HSL-N
Tr8	4	2	0.02	57HSL-E, 57HSL-N
Tr8	8	4	0.04	57HSL-E, 57HSL-N
Tr10	2	1	0.01	57HSL-E, 57HSL-N
Tr10	4	2	0.02	57HSL-E, 57HSL-N
Tr12	6	2	0.03	57HEL-E

57HSL-E外部驱动式机械尺寸 (External Type Dimensions) (单位/unit=mm)



57HSL-N贯穿式机械尺寸 (Non-captive Type Dimensions) (单位/unit=mm)



备注：丝杆长度及外部驱动式配套螺母可定制。电机技术参数及接线图见P(11)
Remark: Lead screw length and the nut for external type can be customized. The technical specifications and wiring diagram for the stepper motor see P(11)

HSB 步进刹车电机

HSB Stepper Motor with Brake

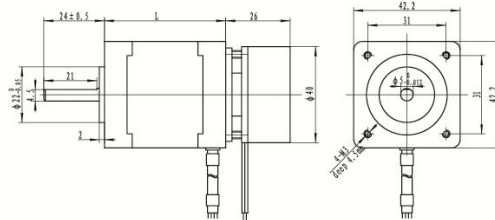
刹车参数 (Brake Specifications)

刹车器型号 Brake Model	输入电压 Input Voltage	瓦数 Power	直径 Diameter	刹车长度 Brake Length	刹车力矩 Brake Torque	适配电机 Applicable Motor	重量 Weight
35	24V	5.8W	40mm	26mm	0.35N.m	42HSB	0.15KG
50	24V	4.8W	50mm	31.5mm	1.5N.m	57HSB	0.33KG
56	24V	9.3W	61mm	37.5mm	3.9N.m	86HSB	0.506KG

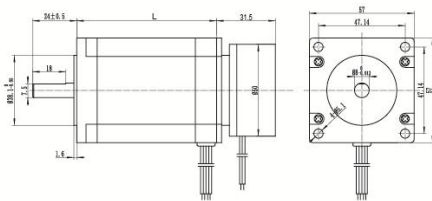
机械尺寸 (Dimensions) (单位/unit=mm)



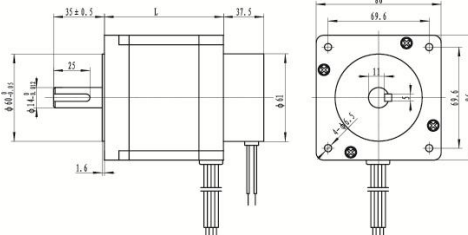
42HSB



57HSB



86HSB



备注: 42HSB电机参数第 (8) 页; 57HSB电机参数见第 (11) 页; 86HSB电机参数见第 (15) 页。

Remark: 42HSB stepper motor parameter see page(8), 57HSB stepper motor parameter see page(11),

86HSB stepper motor parameter see page(15),

M415D

两相步进电机驱动器

特点 (Features)

1. 采用全新原装进口芯片, 运用双极性恒流斩波技术
2. 低噪音, 低振动, 低温升
3. 直流18-40V 供电
4. 7档输出电流设置, 峰值电流1.5A
5. 7档微步细分设置
6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
7. 内部光电隔离, 最高频率响应100KHZ
8. 适配于0.2-1.5A以内两、四相混合式步进电机

1. Using brand new imported chips, adoption of bipolar constant-current chopper technology
2. Low-noise, low-vibration and low temperature rising
3. Voltage 18-40VDC
4. With 7 stalls output current setting, peak current 1.5A
5. With 7 stalls microstep subdivision setting
6. Automatic Half current, motor wires misconnected protection
7. Internal optical isolation, highest frequency response 100KHZ
8. Suitable for current 0.2-1.5A 2.4 phase Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/Rev	SW4	SW5	SW6
200	on	on	on
400	off	on	on
800	on	off	on
1600	off	off	on
3200	on	on	off
6400	off	on	off
12800	on	off	off

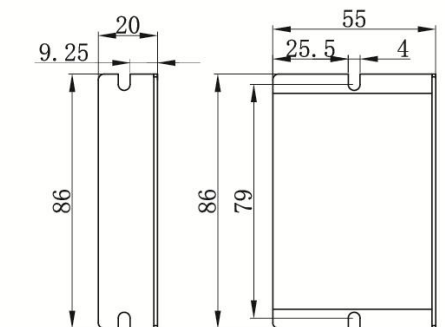
2-Phase Hybrid Stepper Driver



电流设置 (Current Selection)

Peak	SW1	SW2	SW3
0.21A	off	on	on
0.42A	on	off	on
0.63A	off	off	on
0.84A	off	on	off
1.05A	off	on	on
1.26A	on	off	off
1.50A	off	off	off

外形图 (Dimensions) (单位/Unit=mm)



DM556D2

两相数字式步进电机驱动器

特点 (Features)

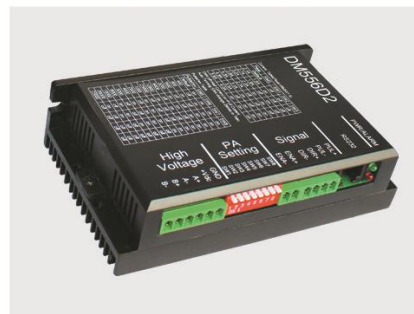
1. 采用32位DSP技术,纯正弦波细分技术
2. 低噪音, 低振动, 低温升
3. 直流24-50V 供电,电源功能大于300W
4. 8档输出电流设置, 峰值电流5.6A
5. 16档微步细分设置
6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
7. 内部光电隔离, 最高频率响应200KHZ
8. 适配于2.1-5.6A的57mm, 86mm 2,4相混合式步进电机

1. Adoption of 32-bit DSP, pure sine wave subdivision technology
2. Low-noise, low-vibration and low temperature rising
3. Voltage 24-50VDC
4. With 8 stalls output current setting, peak current 5.6A
5. With 16 stalls microstep subdivision setting
6. Automatic half current, self-test, over voltage, under voltage, over current protection
7. Internal optical isolation, highest frequency response 200KHZ.
8. Suitable for current range 2.1-5.6A 2、4 phase nema23,nema34 Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/Rev	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

2-Phase Digital Hybrid Stepper Driver

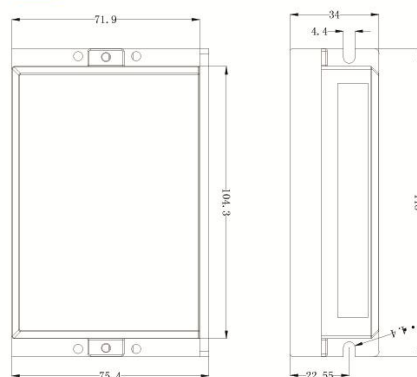


电流设置 (Current Selection)

Peak	RMS	SW1	SW2	SW3
Default	Default	OFF	OFF	OFF
2.1A	1.5A	ON	OFF	OFF
2.7A	1.9A	OFF	ON	OFF
3.2A	2.3A	ON	ON	OFF
3.8A	2.7A	OFF	OFF	ON
4.3A	3.1A	ON	OFF	ON
4.9A	3.5A	OFF	ON	ON
5.6A	4.0A	ON	ON	ON

Default: 可根据用户需求定制。
Default: Customized according to customers' requirements.

外形图 (Dimensions) (单位/Unit=mm)



DM422

两相数字式步进电机驱动器

特点 (Features)

1. 采用32位DSP技术,纯正弦波细分技术
2. 低噪音, 低振动, 低温升
3. 直流20-40V 供电
4. 8档输出电流设置, 峰值电流2.2A
5. 4档微步细分设置
6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
7. 内部光电隔离, 最高频率响应200KHZ
8. 适配于电流0.5-2.2A的2,4相混合式步进电机

1. Adoption of 32-bit DSP, pure sine wave subdivision technology
2. Low-noise, low-vibration and low temperature rising
3. Voltage 20-40VDC
4. With 8 stalls output current setting, peak current 2.2A
5. With 4 stalls microstep subdivision setting
6. Automatic half current, self-test, over voltage, under voltage, over current protection
7. Internal optical isolation, highest frequency response 200KHZ.
8. Suitable for current 0.5-2.2A 2、4-phase Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/Rev	SW6	SW8
Default	ON	ON
1600	OFF	ON
3200	ON	OFF
6400	OFF	OFF

2-Phase Digital Hybrid Stepper Driver

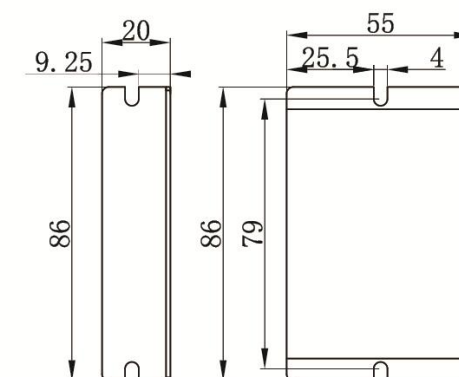


电流设置 (Current Selection)

Peak	RMS	SW1	SW2	SW3
Default	Default	ON	ON	ON
0.5A	0.35A	OFF	ON	ON
0.70A	0.50A	ON	OFF	ON
1.0A	0.70A	OFF	OFF	ON
1.30A	0.90A	ON	ON	OFF
1.60A	1.20A	OFF	ON	OFF
1.90A	1.40A	ON	OFF	OFF
2.20A	1.60A	OFF	OFF	OFF

Default: 可根据用户需求定制。
Default: Customized according to customers' requirements.

外形图 (Dimensions) (单位/Unit=mm)



DM860D2

两相数字式步进电机驱动器

特点 (Features)

1. 采用32位DSP技术,纯正弦波细分技术
 2. 低噪音, 低振动, 低温升
 3. 直流24-80V供电, 电源功率大于500W
 4. 8档输出电流设置, 峰值电流7.2A
 5. 16档微步细分设置
 6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
 7. 内部光电隔离, 最高频率响应200KHZ
 8. 适配于2.4-7.2A的57mm, 86mm 2,4相混合式步进电机
1. Adoption of 32-bit DSP, pure sine wave subdivision technology
 2. Low-noise, low-vibration and low temperature rising
 3. Voltage 24-80VDC or 20-60VAC
 4. With 8 stalls output current setting, peak current 7.2A
 5. With 16 stalls microstep subdivision setting
 6. Automatic half current, self-test, over voltage, under voltage, over current protection
 7. Internal optical isolation, highest frequency response 200KHZ.
 8. Suitable for current range 2.4-7.2A 2, 4phase nema23, nema34 Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/REV	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

2-Phase Digital Hybrid Stepper Driver

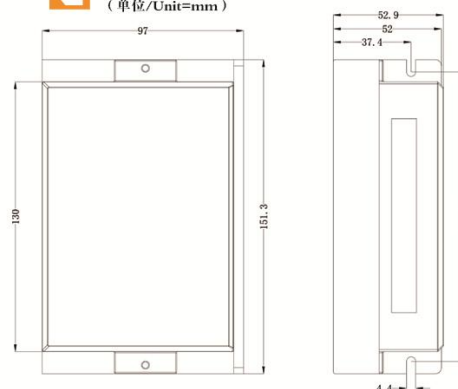


电流设置 (Current Selection)

REF	Peak	SW1	SW2	SW3
2.00A	2.40A	ON	ON	ON
2.57A	3.08A	OFF	ON	ON
3.14A	3.77A	ON	OFF	ON
3.71A	4.45A	OFF	OFF	ON
4.28A	5.14A	ON	ON	OFF
4.86A	5.83A	OFF	ON	OFF
5.43A	6.52A	ON	OFF	OFF
6.00A	7.20A	OFF	OFF	OFF

Default: 可根据用户需求定制。
Default: Customized according to customers' requirements.

外形图 (Dimensions) (单位/Unit=mm)



DM860A2

两相数字式步进电机驱动器

特点 (Features)

1. 采用32位DSP技术,纯正弦波细分技术
 2. 低噪音, 低振动, 低温升 (外接轴流风机)
 3. 交流24-80V供电, 电源功率大于500W
 4. 8档输出电流设置, 峰值电流7.2A
 5. 16档微步细分设置
 6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
 7. 内部光电隔离, 最高频率响应200KHZ
 8. 适配于2.4-7.2A以内86mm, 110mm 2,4相混合式步进电机
1. Adoption of 32-bit DSP, pure sine wave subdivision technology
 2. Low-noise, low-vibration and low temperature rising (with fan)
 3. Voltage 36-110VDC or 24-80VAC
 4. With 8 stalls output current setting, peak current 7.2A
 5. With 16 stalls microstep subdivision setting
 6. Automatic half current, self-test, over voltage, under voltage, over current protection
 7. Internal optical isolation, highest frequency response 200KHZ.
 8. Suitable for current range 2.4-7.2A 2, 4phase nema34, nema42 Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/REV	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

2-Phase Digital Hybrid Stepper Driver

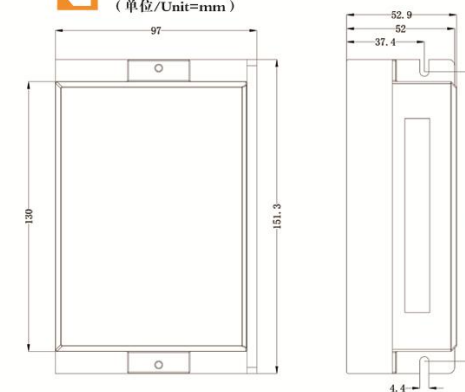


电流设置 (Current Selection)

REF	Peak	SW1	SW2	SW3
2.00A	2.40A	ON	ON	ON
2.57A	3.08A	OFF	ON	ON
3.14A	3.77A	ON	OFF	ON
3.71A	4.45A	OFF	OFF	ON
4.28A	5.14A	ON	ON	OFF
4.86A	5.83A	OFF	ON	OFF
5.43A	6.52A	ON	OFF	OFF
6.00A	7.20A	OFF	OFF	OFF

Default: 可根据用户需求定制。
Default: Customized according to customers' requirements.

外形图 (Dimensions) (单位/Unit=mm)



M1160A

两相步进电机驱动器

特点 (Features)

1. 采用全新原装进口芯片, 运用双极性恒流斩波技术
 2. 低噪音, 低振动, 低温升
 3. 交流80-110VAC
 4. 16档输出电流设置, 峰值电流6A
 5. 16档微步细分设置
 6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
 7. 内部光电隔离, 最高频率响应200KHZ
 8. 适配于0.38-6.0A以内86mm, 110mm 2,4相混合式步进电机
1. Using brand new imported chips, adoption of bipolar constant-current chopper technology
 2. Low-noise, low-vibration and low temperature rising
 3. Voltage 80-110VAC
 4. With 16 stalls output current setting, peak current 6.0A
 5. With 16 stalls microstep subdivision setting
 6. Automatic half current, self-test, over voltage, under voltage, over current protection
 7. Internal optical isolation, highest frequency response 200KHZ.
 8. Suitable for 2.4 phase nema34, nema42 Hybrid stepper motor current within 6A

细分设置 (Microstep Selection)

Pulse/Rev	SW7	SW8	SW9	SW10
1	0	0	0	0
2	0	0	0	1
4	0	0	1	0
5	0	0	1	1
6	0	1	0	0
8	0	1	0	1
10	0	1	1	0
16	0	1	1	1
18	1	0	0	0
20	1	0	0	1
32	1	0	1	0
40	1	0	1	1
50	1	1	0	0
64	1	1	0	1
128	1	1	1	0
256	1	1	1	1

2-Phase Hybrid Stepper Driver

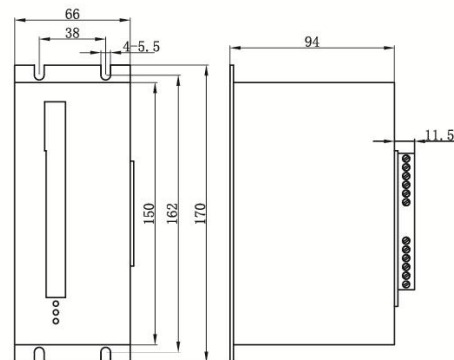


电流设置 (Current Selection)

Current	SW1	SW2	SW3	SW4
0.38A	0	0	0	0
0.75A	0	0	0	1
1.13A	0	0	1	0
1.50A	0	0	1	1
1.88A	0	1	0	0
2.25A	0	1	0	1
2.63A	0	1	1	0
3.00A	0	1	1	1
3.38A	1	0	0	0
3.75A	1	0	0	1
4.13A	1	0	1	0
4.50A	1	0	1	1
4.88A	1	1	0	0
5.25A	1	1	0	1
5.63A	1	1	1	0
6.00A	1	1	1	1

外形图 (Dimensions)

(单位/Unit=mm)



3DM860D

三相数字式步进电机驱动器

特点 (Features)

1. 3相数字式驱动器, 采用32位DSP技术
 2. 低噪音, 低振动, 低温升
 3. 直流24-80V 或者20-60VAC供电
 4. 8档输出电流设置, 峰值电流7.2A
 5. 16档微步细分设置
 6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
 7. 内部光电隔离, 最高频率响应200KHZ
 8. 适配于2.4-7.2A的57mm, 86mm三相混合式步进电机
1. 3-phase digital stepper driver, adoption of 32-bit DSP technology
 2. Low-noise, low-vibration and low temperature rising
 3. Voltage 24-80VDC or 20-60VAC
 4. With 8 stalls output current setting, peak current 7.2A
 5. With 16 stalls microstep subdivision setting
 6. Automatic half current, self-test, over voltage, under voltage, over current protection
 7. Internal optical isolation, highest frequency response 200KHZ.
 8. Suitable for current range 2.4-7.2A 3-phase nema23, nema34 Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/REV	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

3-Phase Digital Hybrid Stepper Driver



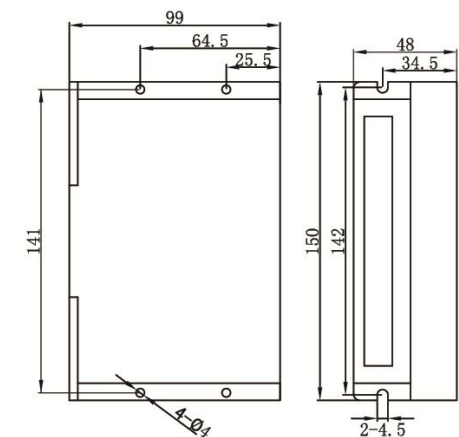
电流设置 (Current Selection)

REF	Peak	SW1	SW2	SW3
2.00A	2.40A	ON	ON	ON
2.57A	3.08A	OFF	ON	ON
3.14A	3.77A	ON	OFF	ON
3.71A	4.45A	OFF	OFF	ON
4.28A	5.14A	ON	ON	OFF
4.86A	5.83A	OFF	ON	OFF
5.43A	6.52A	ON	OFF	OFF
6.00A	7.20A	OFF	OFF	OFF

Default: 可根据用户需求定制。
Default: Customized according to customers' requirements.

外形图 (Dimensions)

(单位/Unit=mm)



DM2280A

两相数字式步进电机驱动器

特点 (Features)

1. 采用32位DSP技术, 纯正弦波细分技术
 2. 低噪音, 低振动, 低温升 (外接轴流风机)
 3. 交流110-220VAC供电
 4. 8档输出电流设置, 峰值电流8.0A
 5. 28档微步细分设置
 6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
 7. 内部光电隔离, 最高频率响应200KHZ
 8. 适配于8A以内的110mm, 130mm的2,4相混合式步进电机
1. Adoption of 32-bit DSP, pure sine wave subdivision technology
 2. Low-noise, low-vibration and low temperature rising (with fan)
 3. Voltage 110-220VAC
 4. With 8 stalls output current setting, peak current 8.0A
 5. With 28 stalls microstep subdivision setting
 6. Automatic half current, self-test, over voltage, under voltage, over current protection
 7. Internal optical isolation, highest frequency response 200KHZ.
 8. Suitable for current range 4.5-8.0A 2.4 phase nema42, nema52 Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/Rev	SW1	SW2	SW3	SW4	SW5
200	on	on	on	on	on
400	on	on	on	on	off
500	on	on	on	off	on
600	on	on	on	off	off
800	on	on	off	on	on
1000	on	on	off	on	off
1200	on	on	off	off	on
1600	on	on	off	off	off
2000	on	off	on	on	on
2400	on	off	on	on	off
2500	on	off	on	off	on
3000	on	off	on	off	off
3200	on	off	off	on	on
3600	on	off	off	on	off
4000	on	off	off	off	on
5000	on	off	off	off	off
6000	off	on	on	on	on
6400	off	on	on	on	off
7200	off	on	on	off	on
8000	off	on	on	off	off
10000	off	on	off	on	on
12000	off	on	off	on	off
12800	off	on	off	off	on
20000	off	on	off	off	off
24000	off	off	on	on	on
30000	off	off	on	on	off
40000	off	off	on	off	on
60000	off	off	on	off	off
TESP	off	off	off	off	off

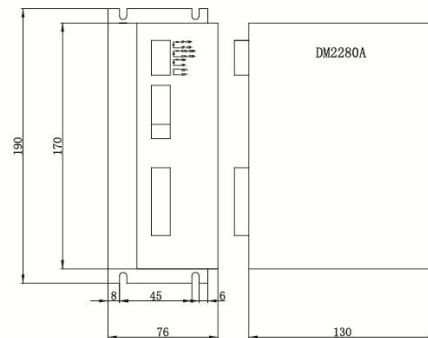
2-Phase Digital Hybrid Stepper Driver



电流设置 (Current Selection)

REF	Peak	SW8	SW9	SW10
3.2A	4.5A	on	on	on
3.5A	5.0A	off	on	on
3.9A	5.5A	on	off	on
4.2A	6.0A	off	off	on
4.6A	6.5A	on	on	off
4.9A	7.0A	off	on	off
5.3A	7.5A	on	off	off
5.7A	8.0A	off	off	off

外形图 (Dimensions) (单位/Unit=mm)



3DM683

三相数字式步进电机驱动器

特点 (Features)

1. 采用32位DSP, 纯正弦波细分技术
 2. 低噪音, 低振动, 低温升
 3. 直流24-60V 供电
 4. 8档输出电流设置, 峰值电流8.3A
 5. 16档微步细分设置
 6. 具有自动半流, 自检, 过压, 欠压和过流等保护功能
 7. 内部光电隔离, 最高频率响应200KHZ
 8. 适配于3.2-8.3A的57mm, 86mm三相混合式步进电机
1. Adoption of 32-bit DSP, pure sine wave subdivision technology.
 2. Low-noise, low-vibration and low temperature rising
 3. Voltage 24-60VDC
 4. With 8 stalls output current setting, peak current 8.3A
 5. With 16 stalls microstep subdivision setting
 6. Automatic half current, self-test, over voltage, under voltage, over current protection
 7. Internal optical isolation, highest frequency response 200KHZ.
 8. Suitable for current range 3.2-8.3A nema23, 3-phase nema34 Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/Rev	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

3-Phase Digital Hybrid Stepper Driver

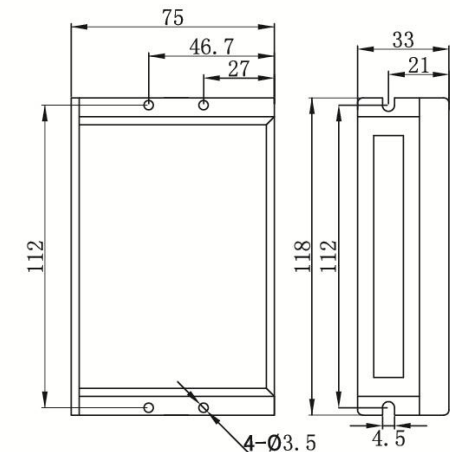


电流设置 (Current Selection)

Peak	RMS	SW1	SW2	SW3
Default		OFF	OFF	OFF
3.2A	2.3A	ON	OFF	OFF
4.0A	2.9A	OFF	ON	OFF
4.9A	3.5A	ON	ON	OFF
5.7A	4.1A	OFF	OFF	ON
6.4A	4.6A	ON	OFF	ON
7.3A	5.2A	OFF	ON	ON
8.3A	5.9A	ON	ON	ON

Default: 可根据用户需求定制。
Default: Customized according to customers' requirements.

外形图 (Dimensions) (单位/Unit=mm)



3M2270

三相步进电机驱动器

特点 (Features)

1. 采用全新原装进口芯片，运用双极性恒流斩波技术
 2. 低噪音，低振动，低温升
 3. 110-220VAC供电
 4. 15档输出电流设置，峰值电流7.0A
 5. 15档微步细分设置，可扩展细分
 6. 具有自动半流，自检，过压，欠压和过流等保护功能
 7. 内部光电隔离，最高频率响应500KHZ
 8. 适配于1.2-7.0A的110mm, 130mm三相混合式步进电机
1. Using brand new imported chips, adoption of bipolar constant-current chopper technology
 2. Low-noise, low-vibration and low temperature rising
 3. Voltage 110-220VAC
 4. With 8 stalls output current setting, peak current 7.0A
 5. With 16 stalls microstep subdivision setting
 6. Automatic half current, self-test, over voltage, under voltage, over current protection
 7. Internal optical isolation, highest frequency response 500KHZ.
 8. Suitable for current range 1.2-7.0A 3-phase nema42, nema52 Hybrid stepper motor

细分设置 (Microstep Selection)

Pulse/Rev	D5	D6	D7	D8
400	on	on	on	on
500	on	on	on	off
600	on	on	off	on
800	on	on	off	off
1000	on	off	on	on
1200	on	off	on	off
2000	on	off	off	on
3000	on	off	off	off
4000	off	on	on	on
5000	off	on	on	off
6000	off	on	off	on
10000	off	on	off	off
12000	off	off	on	on
20000	off	off	on	off
30000	off	off	off	on
60000	off	off	off	off

3-Phase Hybrid Stepper Driver

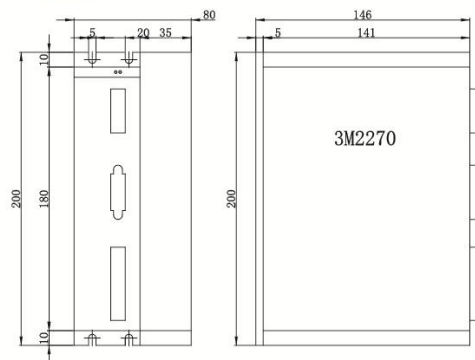


电流设置 (Current Selection)

Current	D1	D2	D3	D4
1.2A	off	off	off	off
1.5A	off	off	off	on
2.0A	off	off	on	off
2.3A	off	off	on	on
2.5A	off	on	off	off
3.0A	off	on	off	on
3.2A	off	on	on	off
3.6A	off	on	on	on
4.0A	on	off	off	off
4.5A	on	off	off	on
5.0A	on	off	on	off
5.3A	on	off	on	on
5.8A	on	on	off	off
6.2A	on	on	off	on
6.5A	on	on	on	off
7.0A	on	on	on	on

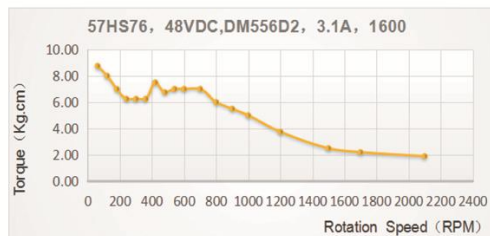
外形图 (Dimensions)

(单位/Unit=mm)



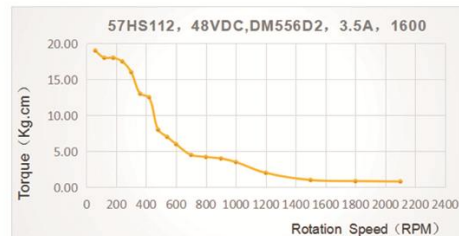
 矩频特性图 (Torque/Frequency Curve)

两相步进电机57HS76矩频曲线



电机型号：57HS76 测试电流：3.1A
驱动器：DM556D2 测试电压：36VDC 细分数：1600

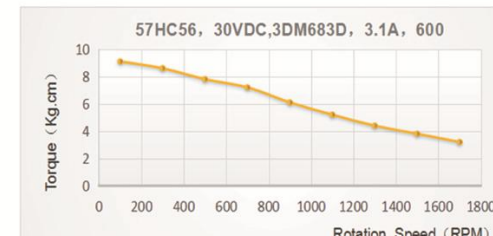
两相步进电机57HS112矩频曲线



电机型号：57HS112 测试电流：3.5A
驱动器：DM556D2 测试电压：36VDC 细分数：1600

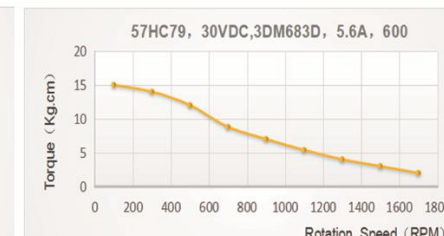
 矩频特性图 (Torque/Frequency Curve)

三相步进电机57HC56矩频曲线



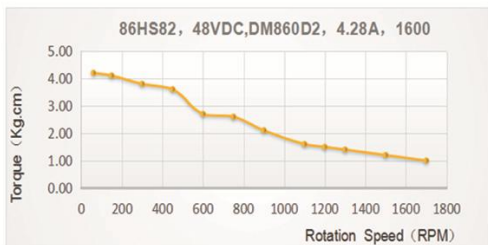
电机型号：57HC56 测试电流：3.1A
驱动器：3DM683D 测试电压：30VDC 脉冲数：400

三相步进电机57HC79矩频曲线



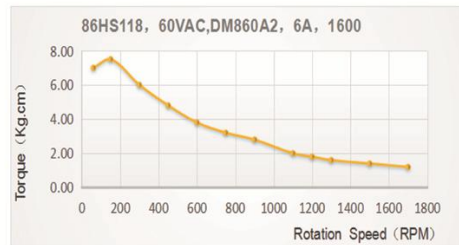
电机型号：57HC79 测试电流：5.6A
驱动器：3DM683D 测试电压：30VDC 脉冲数：400

两相步进电机86HS82矩频曲线



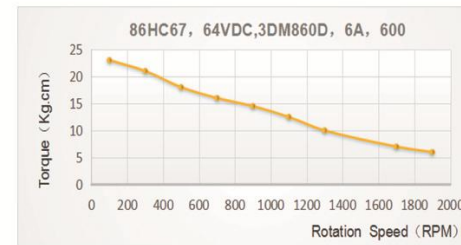
电机型号：86HS82 测试电流：4.28A
驱动器：DM860D2 测试电压：48VDC 细分数：1600

两相步进电机86HS118矩频曲线



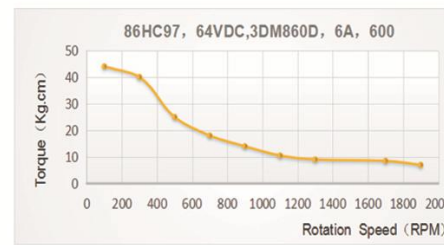
电机型号：86HS118 测试电流：6A
驱动器：DM860A2 测试电压：60VDC 细分数：1600

三相步进电机86HC67矩频曲线



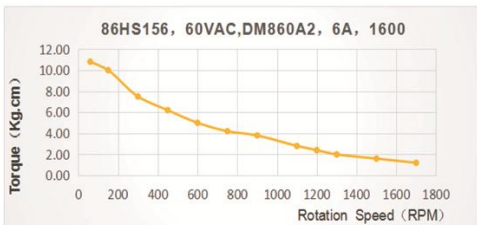
电机型号：86HC67 测试电流：6A
驱动器：3DM860D 测试电压：64VDC 脉冲数：400

三相步进电机86HC97矩频曲线



电机型号：86HC97 测试电流：6A
驱动器：3DM860D 测试电压：64VDC 脉冲数：400

两相步进电机86HS156矩频曲线



电机型号：86HS156 测试电流：6A
驱动器：DM860A2 测试电压：60VDC 细分数：1600