20HS 1.8°混合式步进电机

NEMA 8 1.8° HYBRID HYBRID STEPPER MOTOR

ZZMOTOR



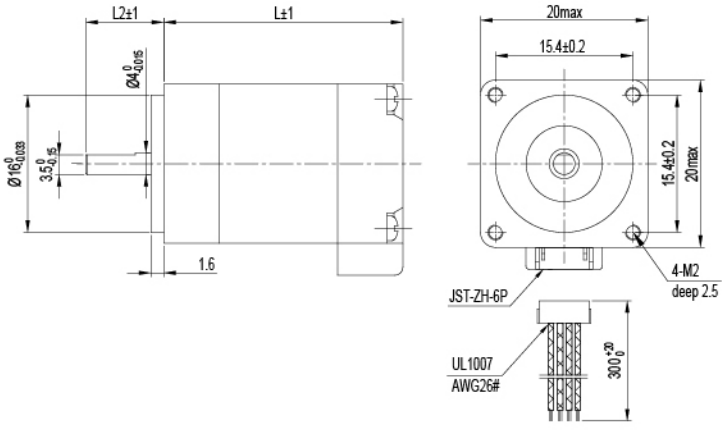
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	5%
温升 Temperature	50K Max
工作环境温度 Ambient Temperature	-20°C~+50°C
绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
介电强度 Dielectric Strength	500VAC 1 minute
绝缘等级 Insulation Class	B,130°C

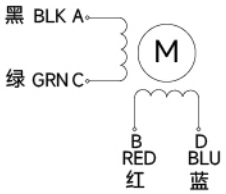
常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
20HS30-0504A-001	30	0.5	4.8	1.3	0.011	2.1	4	0.05
20HS38-0604A-004	38	0.6	6.5	1.7	0.018	3.0	4	0.06
20HS42-0504A-005	42	0.5	5.2	1.8	0.020	3.8	4	0.09

电机机械尺寸
DIMENSIONS UNIT=MM



电机接线图
Wiring Diagram



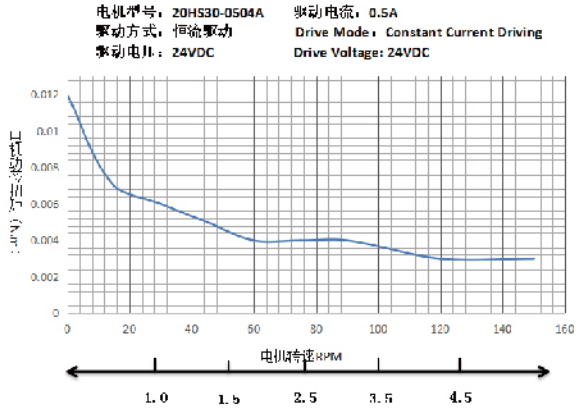
我们可以根据客户要求定制电机的电气参数、电机输出轴尺寸等形状，也可以增配带轮、偏心减速箱和行星减速箱、编码器等，查看更多产品信息请浏览公司网站：www.zz-motor.com
We can customize the motor electrical parameters, output shaft size and other shapes according to customer requirements. We can also add planetary reducers, encoders, etc. For more product information, please visit our company website: en.zz-motor.com
注意事项：电机安装时务必使用安装止口定位，严格保证电机输出轴与负载的同心度，电机正常工作时表面温度不允许超过85°C
Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

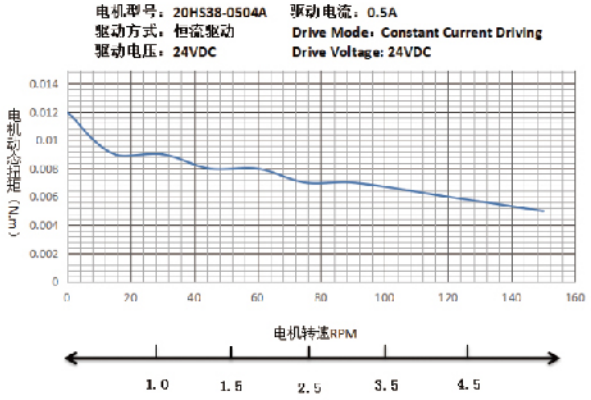
20HS 1.8°混合式步进电机

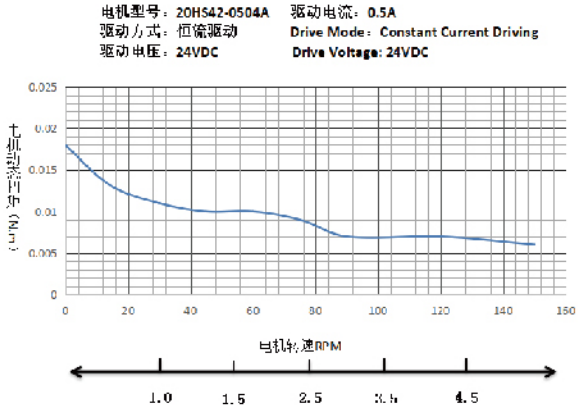
NEMA 8 1.8° HYBRID STEPPER MOTOR

ZZMOTOR

步进电机特性曲线图
CHARACTERISTIC CURVE





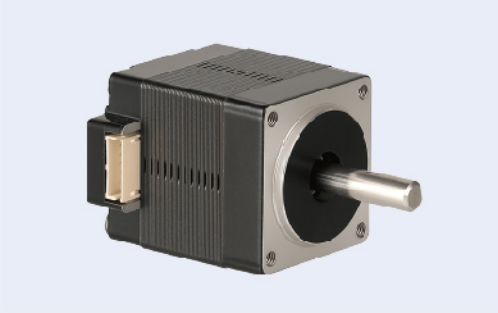


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28HS 1.8°混合式步进电机

NEMA 11 1.8° HYBRID STEPPER MOTOR

ZZMOTOR



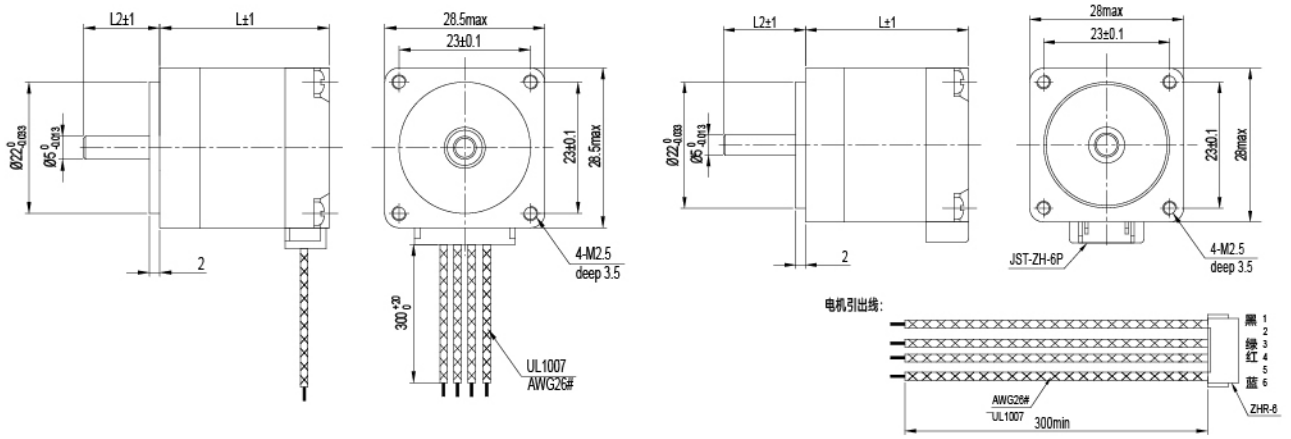
电气性能参数
ELECTRICAL SPECIFICATIONS

● 步矩角精度 Step Accuracy	5%
● 温升 Temperature	50K Max
● 工作环境温度 Ambient Temperature	-20°C~+50°C
● 绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
● 介电强度 Dielectric Strength	500VAC 1 minute
● 绝缘等级 Insulation Class	B,130°C

常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
28HS30-1004A-001A	30	1.0	2.9	1.9	0.07	8.5	4	0.09
28HSA33-0804A-001	33	0.8	5.3	3.3	0.08	9.3	4	0.1
28HS40-0704A-001	40	0.7	6.5	6.0	0.12	13.5	4	0.12
28HSA45-0804A-004	45	0.8	7.8	5.4	0.13	15	4	0.15
28HSA48-0804A-001	48	0.8	8.6	6.7	0.13	17.2	4	0.20
28HS50-0674A-002	50	0.67	8.4	5.6	0.12	18.9	4	0.21

电机机械尺寸
DIMENSIONS UNIT=MM



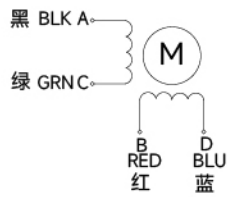
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Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

28HS 1.8°混合式步进电机

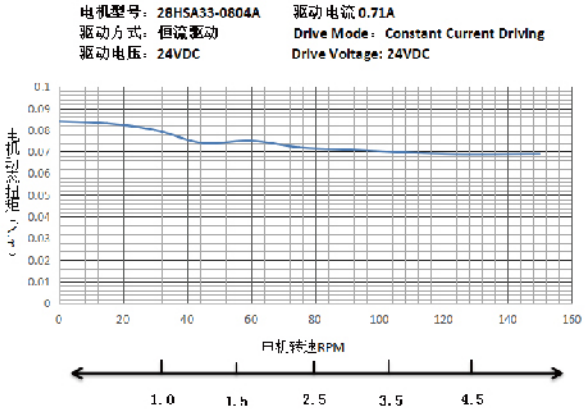
NEMA 11 1.8° HYBRID STEPPER MOTOR

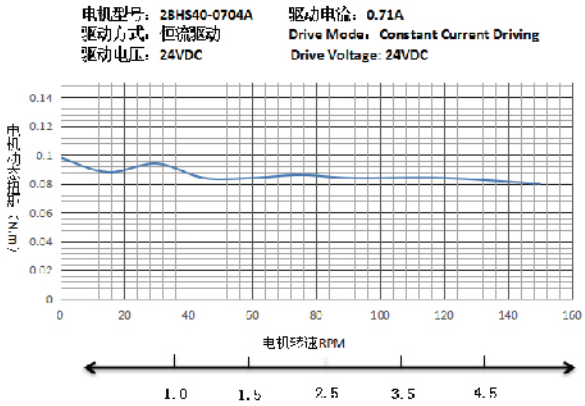
ZZMOTOR

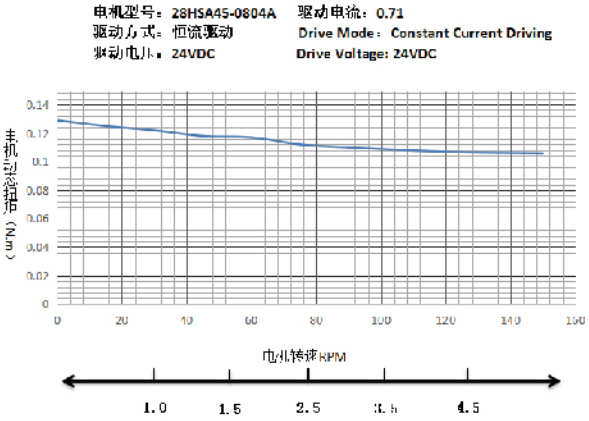
电机接线图
Wiring Diagram

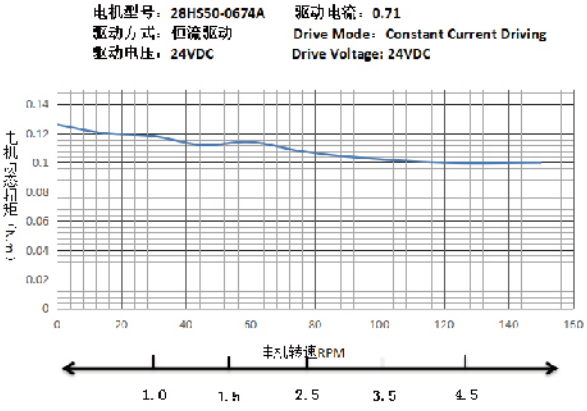


步进电机特性曲线图
CHARACTERISTIC CURVE









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35HS 1.8°混合式步进电机

NEMA 14 1.8° HYBRID STEPPER MOTOR

ZZMOTOR



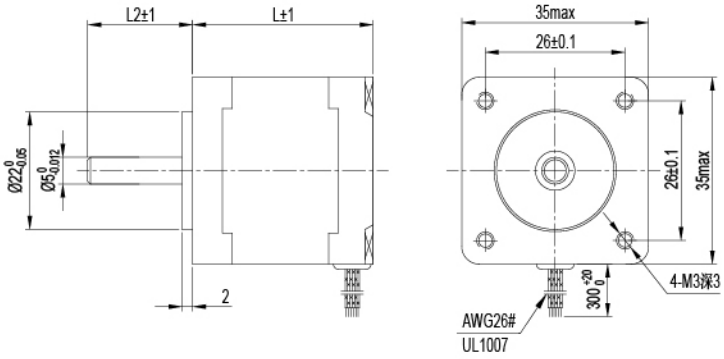
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%
温升 Temperature	50K Max
工作环境温度 Ambient Temperature	-20°C~+50°C
绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
介电强度 Dielectric Strength	500VAC 1 minute
绝缘等级 Insulation Class	B,130°C

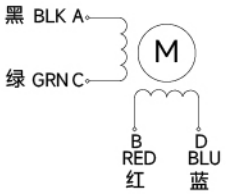
常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
35HS28-0504A-003	28	0.5	19.5	17.5	0.22	21	4	0.12
35HS30-0804A-001	30	0.8	3.5	3.5	0.12	21.6	4	0.13
35HS34-0804A-017	34	0.8	4.3	6.2	0.2	38	4	0.16
35HS44-1504A-002	44	1.5	2.1	2.8	0.25	43	4	0.18
35HS50-1704A-001	50	1.7	2	3.2	0.36	56	4	0.21

电机机械尺寸
DIMENSIONS UNIT=MM



电机接线图
WIRING DIAGRAM



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Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

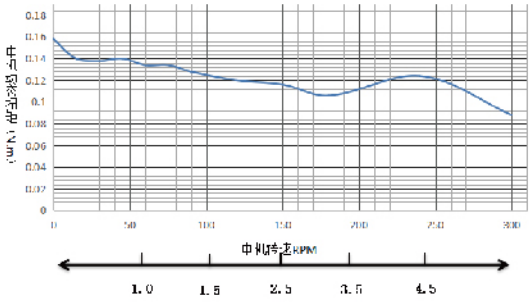
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NEMA 14 1.8° HYBRID STEPPER MOTOR

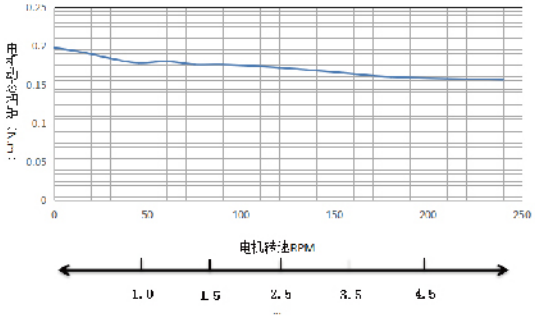
ZZMOTOR

步进电机特性曲线图
CHARACTERISTIC CURVE

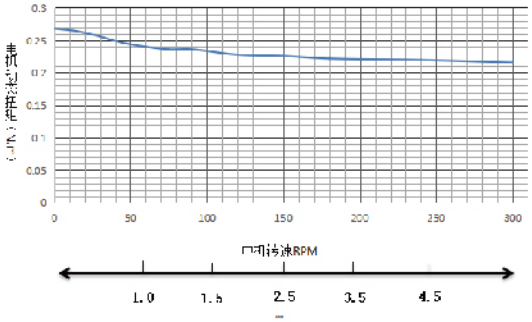
电机型号：35HS28-0504A　驱动电流：0.5A
驱动方式：恒流驱动　Drive Mode：Constant Current Driving
驱动电压：24VDC　Drive Voltage: 24VDC



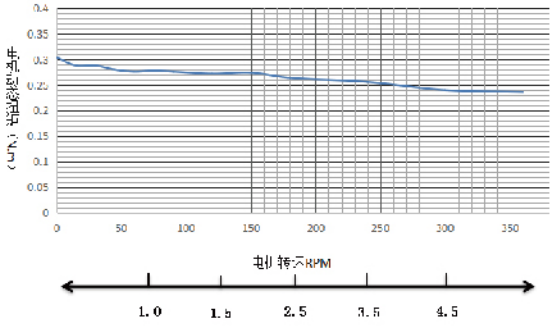
电机型号：35HS34-1004A　驱动电流：1.04A
驱动方式：恒流驱动　Drive Mode：Constant Current Driving
驱动电压：24VDC　Drive Voltage: 24VDC



电机型号：35HS44-1504A　驱动电流：1.36A
驱动方式：恒流驱动　Drive Mode：Constant Current Driving
驱动电压：24VDC　Drive Voltage: 24VDC



电机型号：35HS48-1504A　驱动电流：1.5A
驱动方式：恒流驱动　Drive Mode：Constant Current Driving
驱动电压：24VDC　Drive Voltage: 24VDC

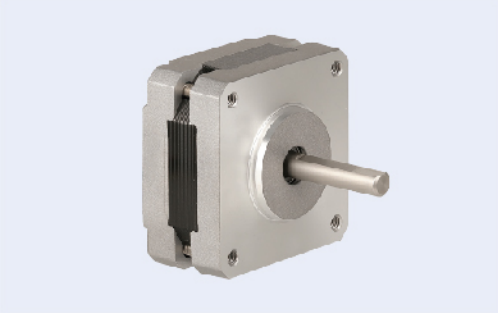


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Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

39HS 1.8°混合式步进电机

NEMA 16 1.8° HYBRID STEPPER MOTOR

ZZMOTOR



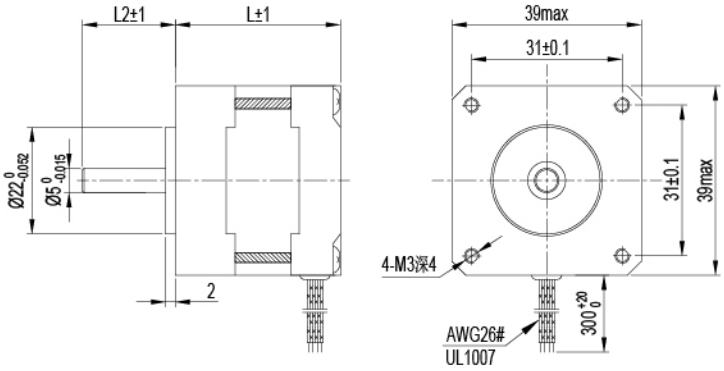
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%
温升 Temperature	50K Max
工作环境温度 Ambient Temperature	-20°C~+50°C
绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
介电强度 Dielectric Strength	500VAC 1 minute
绝缘等级 Insulation Class	B,130°C

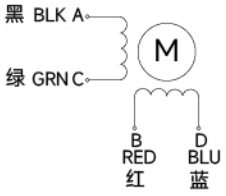
常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
39HS20-0474A-001	20	0.47	25	22.1	0.086	10.7	4	0.12
39HS34-0404A-001	34	0.4	30	35	0.16	26.5	4	0.16
39HS38-1004A-001	38	1.0	2.0	3.7	0.23	37	4	0.21
39HS44-1004A-004A	44	1.0	6.0	14.8	0.45	46	4	0.26
39HS47-1004A-001A	47	1.0	7.8	17	0.45	41	4	0.30
39HS54-1504A-001A	54	1.5	2.3	5.8	0.45	55.6	4	0.40

电机机械尺寸
DIMENSIONS UNIT=MM



电机接线图
WIRING DIAGRAM



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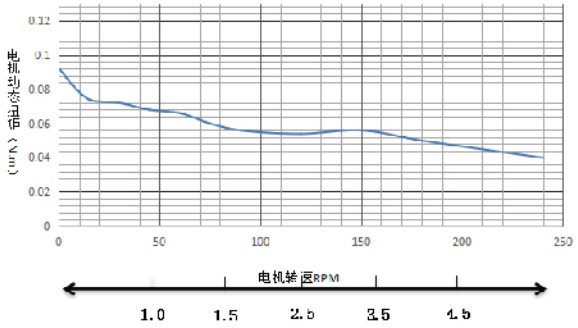
39HS 1.8°混合式步进电机

NEMA 16 1.8° HYBRID STEPPER MOTOR

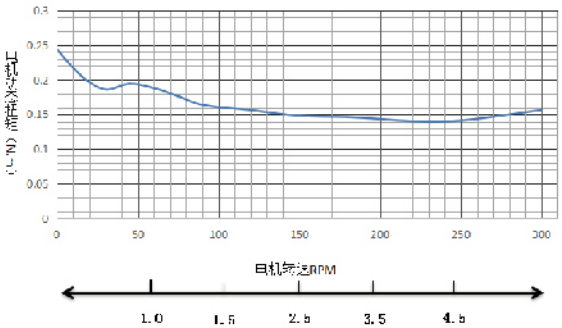
ZZMOTOR

步进电机特性曲线图
CHARACTERISTIC CURVE

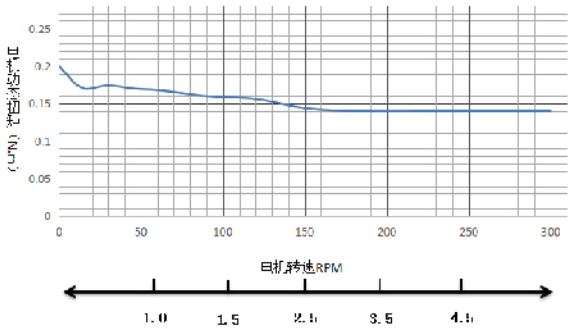
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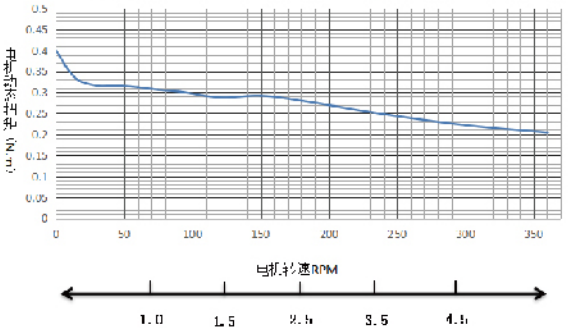
电机型号：39HS34-085A　　驱动电流：0.85A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage: 24VDC



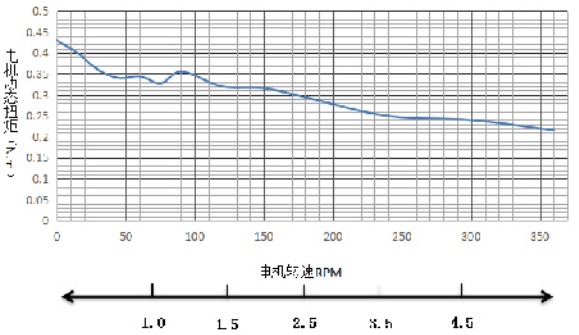
电机型号：39HS38-1004A　　驱动电流：1.0A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage: 24VDC



电机型号：39HS44-1004A　　驱动电流：1.0A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage: 24VDC



电机型号：39HS47-1004A　　驱动电流：1.0A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage: 24VDC

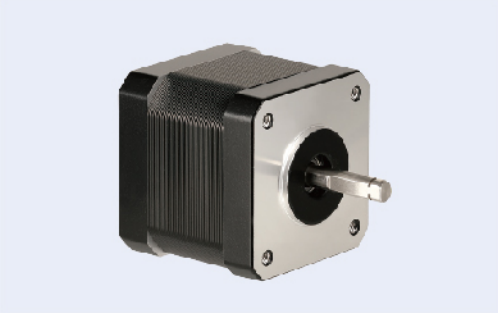


我们可以根据客户要求定制电机的电气参数、电机输出轴尺寸等形状，也可以增配带轮、偏心减速箱和行星减速箱、编码器等，查看更多产品信息请浏览公司网站：www.zz-motor.com
We can customize the motor electrical parameters, output shaft size and other shapes according to customer requirements. We can also add planetary reducers, encoders, etc. For more product information, please visit our company website: en.zz-motor.com
注意事项：电机安装时务必使用安装止口定位，严格保证电机输出轴与负载的同心度，电机正常工作时表面温度不允许超过85°C
Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

42HS 1.8°混合式步进电机

NEMA 17 1.8° HYBRID STEPPER MOTOR

ZZMOTOR



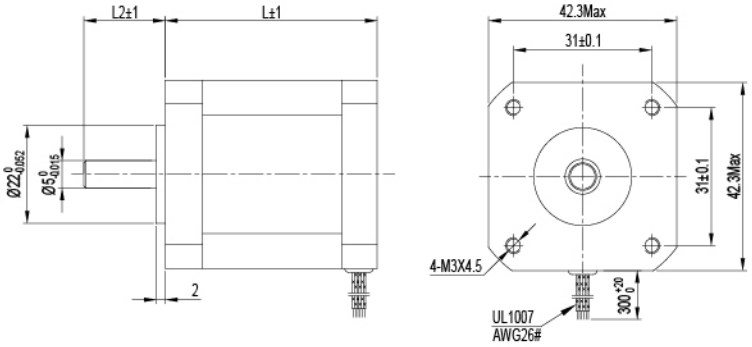
电气性能参数
ELECTRICAL SPECIFICATIONS

● 步矩角精度 Step Accuracy	±5%
● 温升 Temperature	50K Max
● 工作环境温度 Ambient Temperature	-20°C~+50°C
● 绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
● 介电强度 Dielectric Strength	500VAC 1 minute
● 绝缘等级 Insulation Class	B,130°C

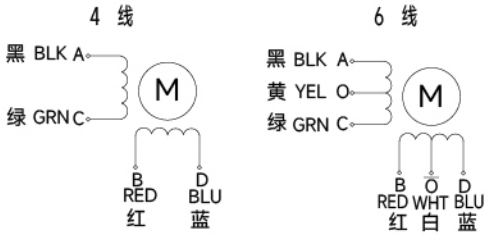
常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
42HS20-1004A-002	20	1.0	3.6	4.1	0.16	26	4	0.1
42HS28-1204A-001	28	1.2	3	7.5	0.13	28.7	4	0.17
42HS34-1304A-001	34	1.3	2.4	2.8	0.24	41.8	4	0.22
42HS40-1704A-001	40	1.7	2.2	3.8	0.40	58.5	4	0.28
42HS48-1704A-001	48	1.7	3.1	5.0	0.55	79.5	4	0.35
42HS60-1704A-002	60	1.7	2.1	6.2	0.75	116	4	0.48

电机机械尺寸
DIMENSIONS UNIT=MM



电机接线图
WIRING DIAGRAM



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Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

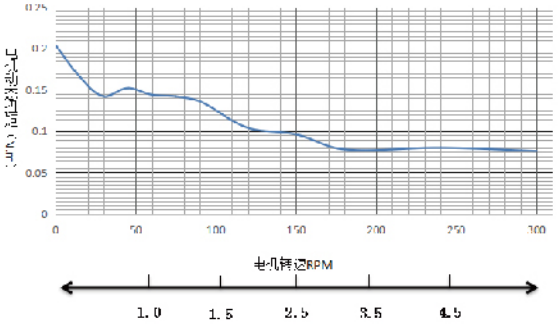
42HS 1.8°混合式步进电机

NEMA 17 1.8° HYBRID STEPPER MOTOR

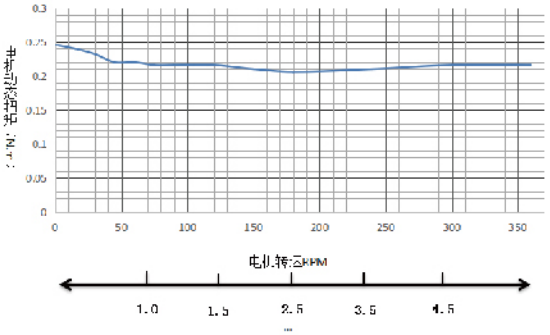
ZZMOTOR

步进电机特性曲线图
CHARACTERISTIC CURVE

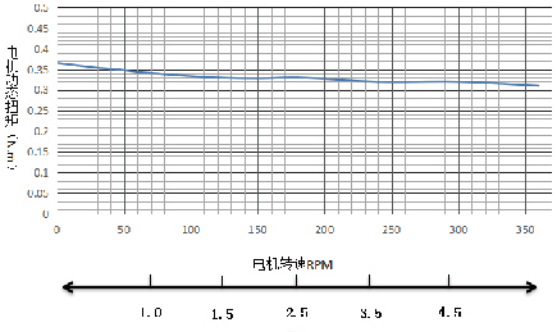
电机型号：42HS28-0404A　　驱动电流：0.4A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage：24VDC



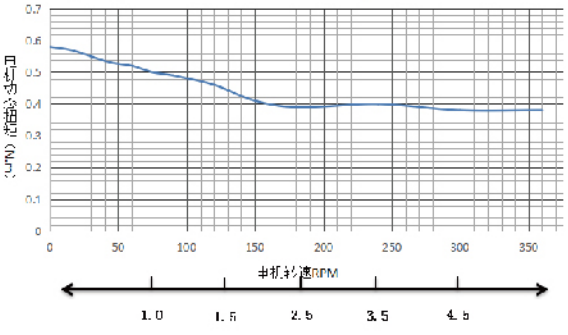
电机型号：42HS34-1304A　　驱动电流：1.36A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage：24VDC



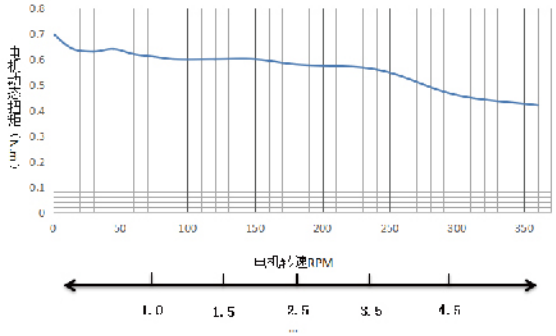
电机型号：42HS40-1704A　　驱动电流：1.69A
驱动方式：恒流驱动　V　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage：24VDC



电机型号：42HS48-1704A　　驱动电流：1.69A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage：24VDC



电机型号：42HS60-1704A　　驱动电流：1.69A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：24VDC　　Drive Voltage：24VDC

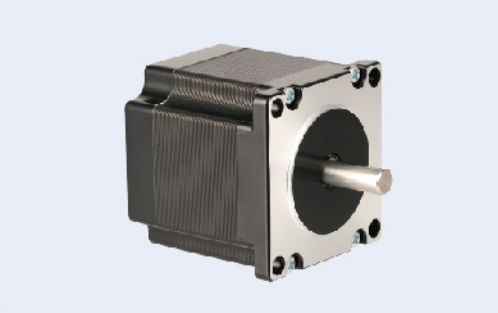


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Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

57HS 1.8°混合式步进电机

NEMA 23 1.8° HYBRID STEPPER MOTOR

ZZMOTOR



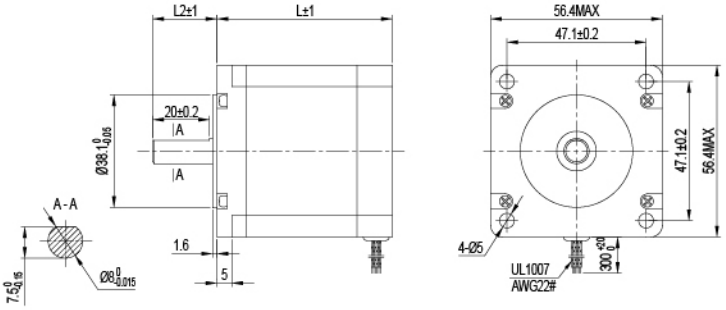
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%
温升 Temperature	50K Max
工作环境温度 Ambient Temperature	-20°C~+50°C
绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
介电强度 Dielectric Strength	500VAC 1 minute
绝缘等级 Insulation Class	B,130°C

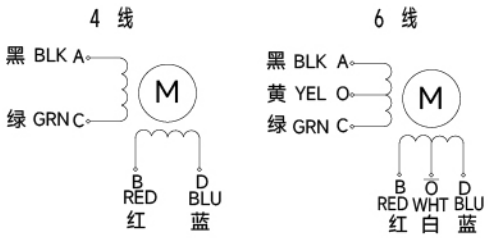
常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
57HS41-2504A-003	41	2.5	1.1	2.4	0.55	174	4	0.45
57HS51-2004A-004	51	2.0	1.3	4	0.8	257	4	0.64
57HS56-3004A-009	56	3.0	1.1	3.5	1.2	300	4	0.7
57HS64-4004A-007	64	4.0	0.6	1.7	1.4	390	4	0.85
57HS76-3004A-009	76	3.0	0.5	2.4	1.5	514	4	1
57HS84-3004A-001	84	3.0	0.57	2.8	1.5	578	4	1.15
57HS100-4204A-001	100	4.2	0.75	3.4	2.4	758	4	1.25
57HS115-4204A-001	112	4.2	0.8	3.8	2.5	856	4	1.4

电机机械尺寸
DIMENSIONS UNIT=MM



电机接线图
WIRING DIAGRAM



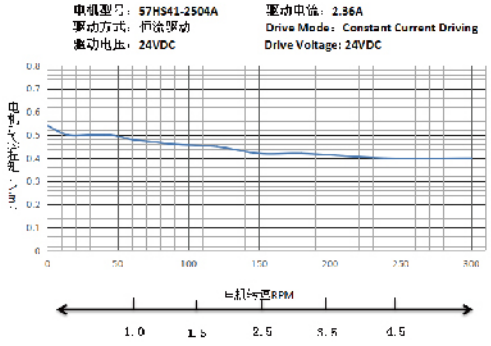
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Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

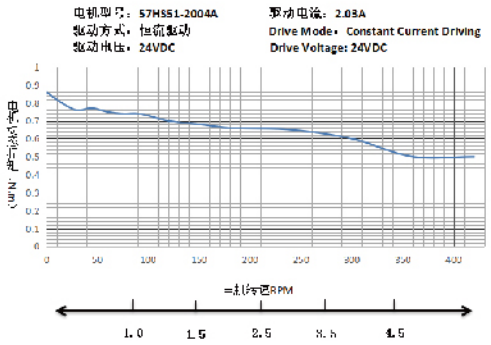
57HS 1.8°混合式步进电机

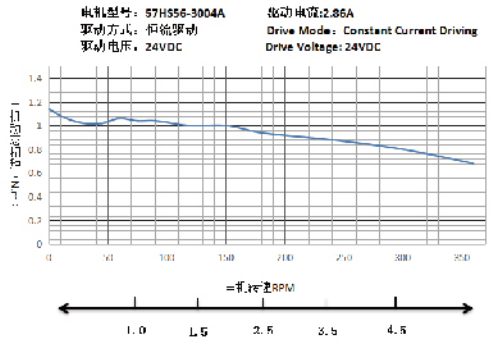
NEMA 23 1.8° HYBRID STEPPER MOTOR

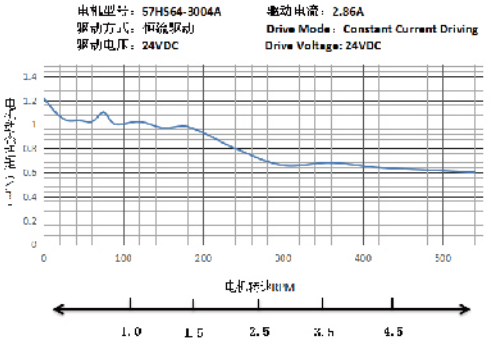
ZZMOTOR

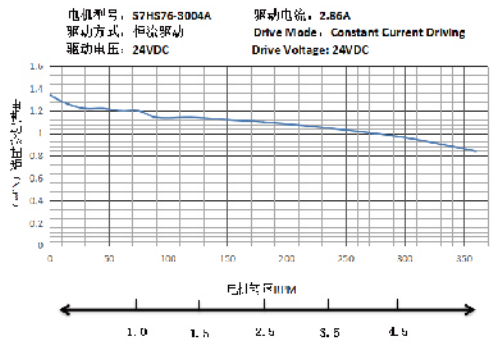
步进电机特性曲线图
CHARACTERISTIC CURVE

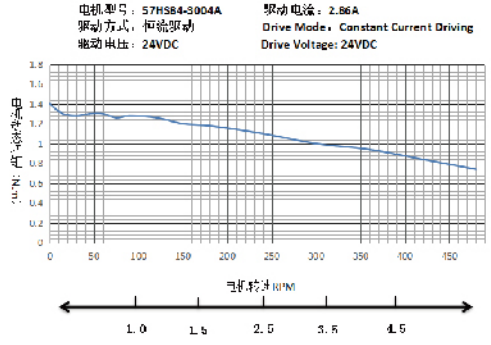


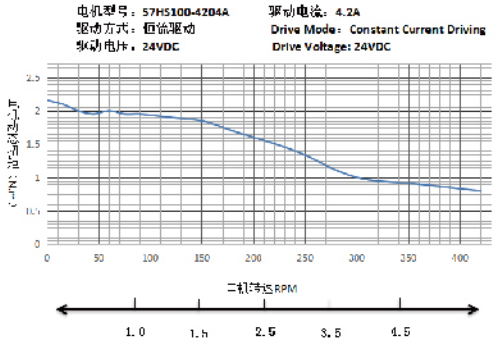


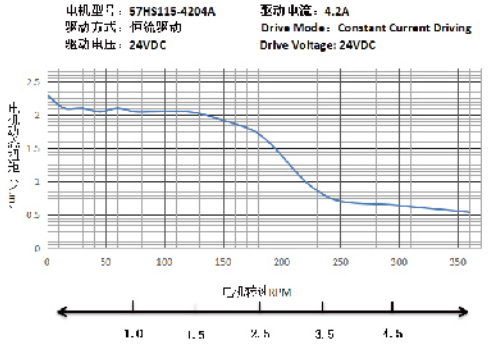










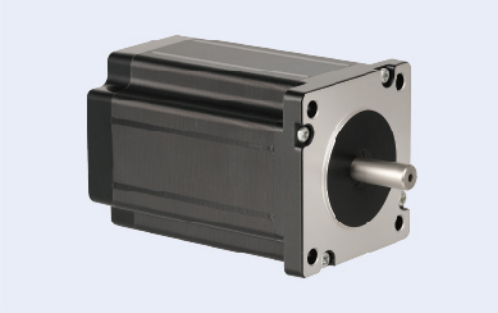


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Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

60HS 1.8°混合式步进电机

NEMA 24 1.8° HYBRID STEPPER MOTOR

ZZMOTOR



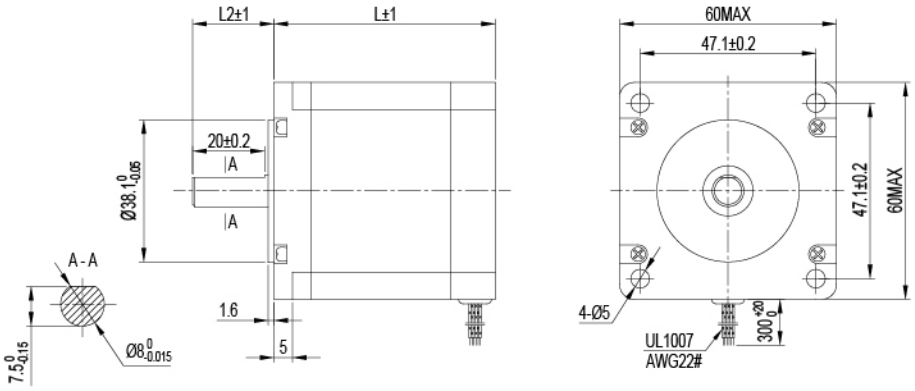
电气性能参数
ELECTRICAL SPECIFICATIONS

● 步矩角精度 Step Accuracy	±5%
● 温升 Temperature	50K Max
● 工作环境温度 Ambient Temperature	-20°C~+50°C
● 绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
● 介电强度 Dielectric Strength	500VAC 1 minute
● 绝缘等级 Insulation Class	B,130°C

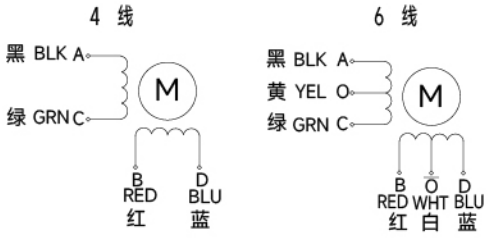
常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
60HS56-4204A-001	56	4.2	0.4	1.6	1.25	478	4	0.58
60HS65-2804A-001	65	2.8	0.95	2.5	1.4	590	4	0.58
60HS88-4204A-002	88	4.2	0.85	2.8	2.5	987	4	1.4
60HS100-4204A-016	100	4.2	0.8	3.0	2.8	1163	4	1.6

电机机械尺寸
DIMENSIONS UNIT=MM



电机接线图
WIRING DIAGRAM



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We can customize the motor electrical parameters, output shaft size and other shapes according to customer requirements. We can also add planetary reducers, encoders, etc. For more product information, please visit our company website: en.zz-motor.com
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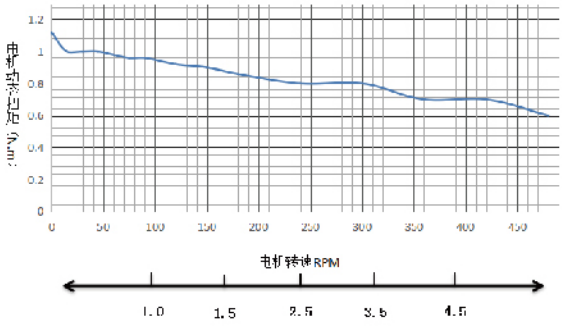
60HS 1.8°混合式步进电机

NEMA 24 1.8° HYBRID STEPPER MOTOR

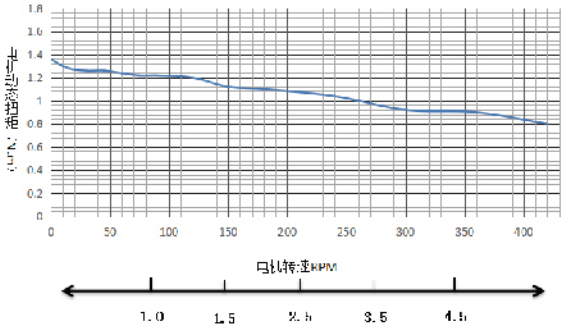
ZZMOTOR

步进电机特性曲线图
CHARACTERISTIC CURVE

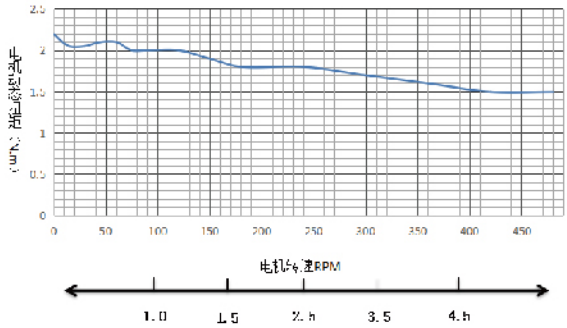
电机型号：60HS56-4204A　　驱动电流：4.2A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



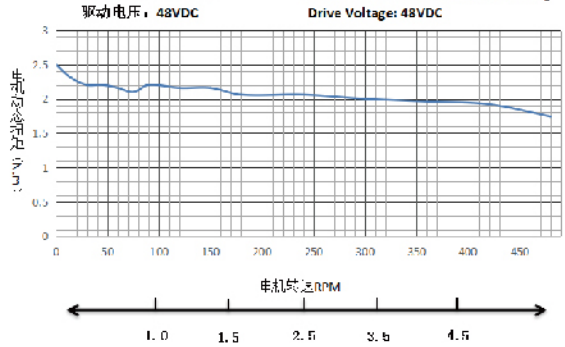
电机型号：60HS65-2804A　　驱动电流：2.86A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



电机型号：60HS88-4204A　　驱动电流：4.2A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



电机型号：60HS100-4204A　　驱动电流：4.2A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



我们可以根据客户要求定制电机的电气参数、电机输出轴尺寸等形状，也可以增配带轮、偏心减速箱和行星减速箱、编码器等，查看更多产品信息请浏览公司网站：www.zz-motor.com
We can customize the motor electrical parameters, output shaft size and other shapes according to customer requirements. We can also add planetary reducers, encoders, etc. For more product information, please visit our company website: en.zz-motor.com
注意事项：电机安装时务必使用安装止口定位，严格保证电机输出轴与负载的同心度，电机正常工作时表面温度不允许超过85°C
Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

86HS 1.8°混合式步进电机

NEMA 34 1.8° HYBRID STEPPER MOTOR

ZZMOTOR



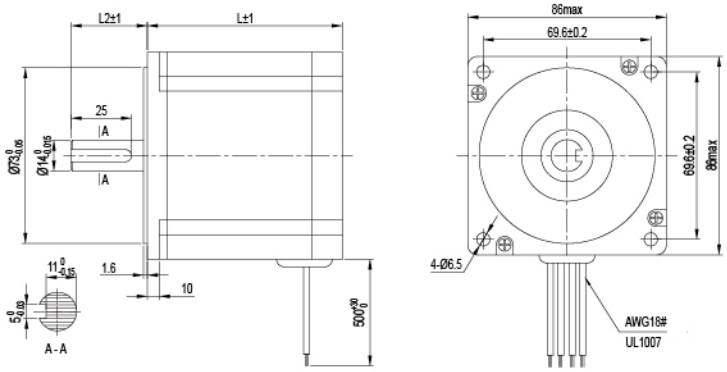
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%
温升 Temperature	50K Max
工作环境温度 Ambient Temperature	-20°C~+50°C
绝缘电阻 Insulation Resistance	100MΩMin 500VC DC
介电强度 Dielectric Strength	500VAC 1 minute
绝缘等级 Insulation Class	B,130°C

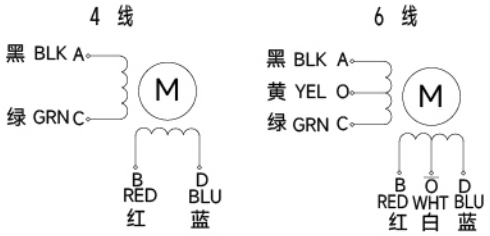
常规指标及参数
COMMON RATINGS & SPECIFICATIONS

电机型号 Model	机身长 Length L mm	相电流 Phase Current A	相电阻 Phase Resistance Ω	相电感 Phase Inductance mH	静转矩 Holding Torque N.m	转子惯量 Rotor Inertia g.cm²	引线数 Lead Wire NO.	重量 Weight Kg
86HSA68-4004A-002	68	4.0	0.63	3.2	2.7	1574	4	1.85
86HSA80-5004A-001	80	5.0	0.38	3.5	4.5	2120	4	2.5
86HSA98-6004A-002	98	6.0	0.5	5.0	5.2	3110	4	3.1
86HSA118-6004A-001	118	6.0	0.6	6.8	8.5	3970	4	3.75
86HSA128-5004A-001	128	5.0	0.6	7.0	9.0	4540	4	4.25
86HSA158-6004A-002	158	6.0	0.73	8.0	11.0	5820	4	5.2

电机机械尺寸
DIMENSIONS UNIT=MM



电机接线图
WIRING DIAGRAM



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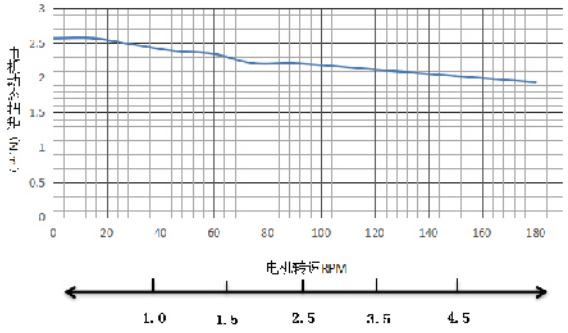
86HS 1.8°混合式步进电机

NEMA 34 1.8° HYBRID STEPPER MOTOR

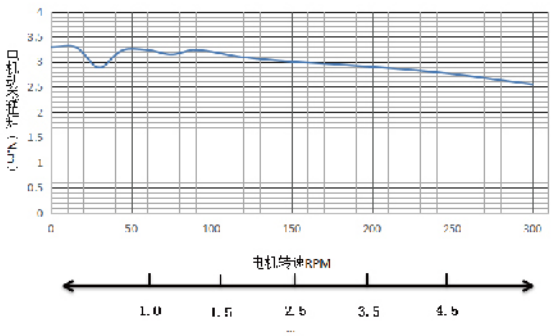
ZZMOTOR

步进电机特性曲线图
CHARACTERISTIC CURVE

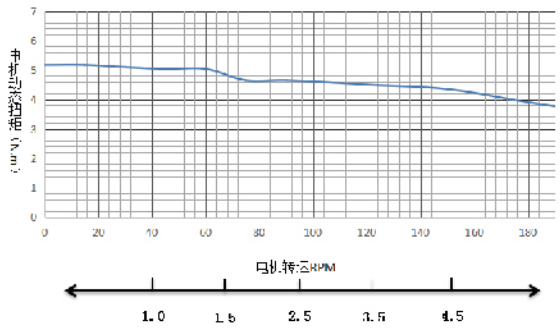
电机型号：86HSA58-4004A　　驱动电流：4.0A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



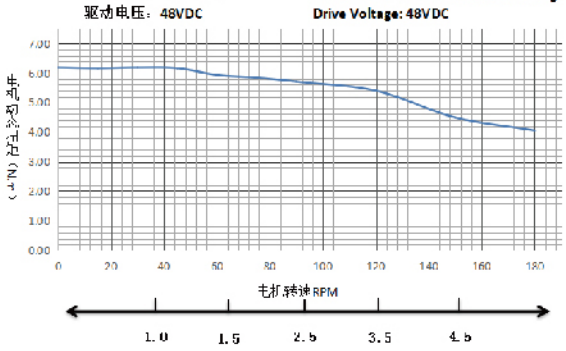
电机型号：86HSA80-6004A　　驱动电流：5.6A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



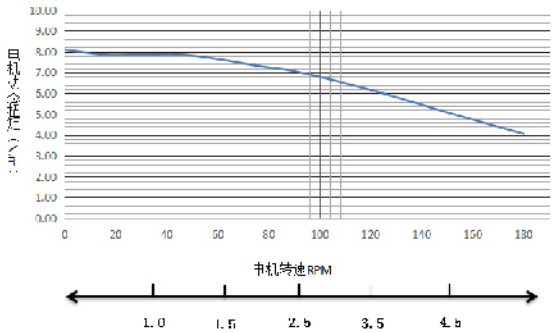
电机型号：86HSA98-6004A　　驱动电流：5.6A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



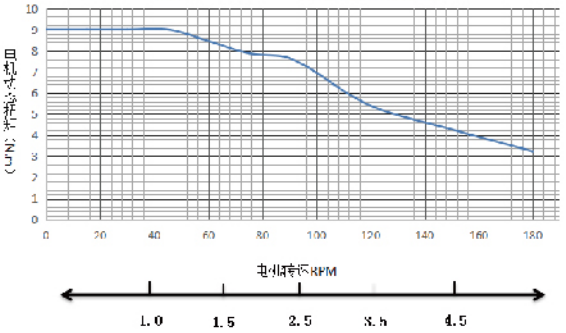
电机型号：86HSA118-6004A　　驱动电流：5.6A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



电机型号：86HSA128-6004A　　驱动电流：5.6A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



电机型号：86HSA158-6004A　　驱动电流：5.6A
驱动方式：恒流驱动　　Drive Mode：Constant Current Driving
驱动电压：48VDC　　Drive Voltage: 48VDC



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