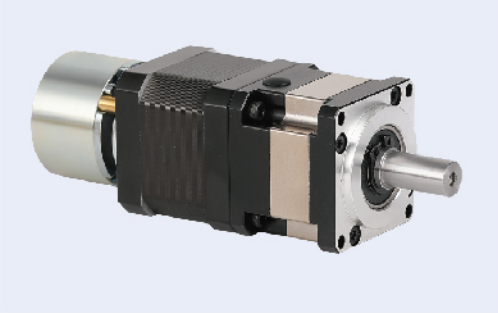
42HS 1.8°步进精密行星减速刹车电机

NEMA 17 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR



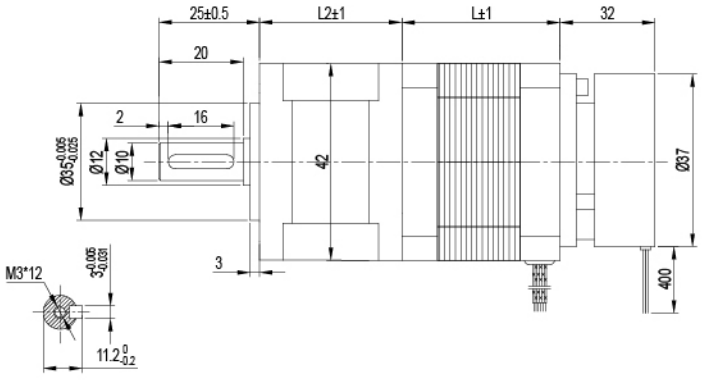
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%(整步无负载, full step, no load)
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	600VAC/1S
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	20	1.0	3.6	4.1	0.16	26	4	0.1
42HS28-1204A	28	1.2	3	7.5	0.13	28.7	4	0.17
42HS34-1304A	34	1.3	2.4	2.8	0.24	41.8	4	0.22
42HS40-1704A	40	1.7	2.2	3.8	0.40	58.5	4	0.28
42HS48-1704A	48	1.7	3.1	5.0	0.55	79.5	4	0.35
42HS60-1704A	60	1.7	2.1	6.2	0.75	116	4	0.48

电机机械尺寸
DIMENSIONS UNIT=MM



刹车参数	
静摩擦转矩 (NM)	0.24
额定电压 (V)	DC 24±10%
额定功率 (W)	5.0
最高转速 (r/min)	5000
响应时间 (ms)	50
绝缘等级	B

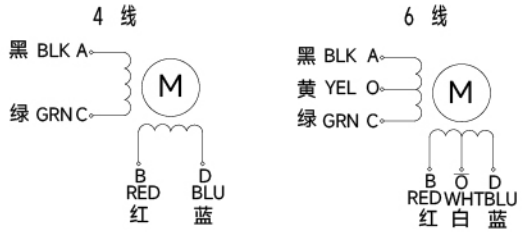
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注意事项：电机安装时务必使用安装止口定位，严格保证电机输出轴与负载的同心度，电机正常工作时表面温度不允许超过85°C
Notes: When installing the motor, position it via the mounting spigot. Ensure strict concentricity between the motor output shaft and the load. The surface temperature of the motor shall not exceed 85°C during normal operation.

42HS 1.8°步进精密行星减速刹车电机

NEMA 17 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR

电机接线图
WIRING DIAGRAM



HP42行星减速机技术参数
PLANETARY GEAR ELECTRICAL SPECIFICATIONS

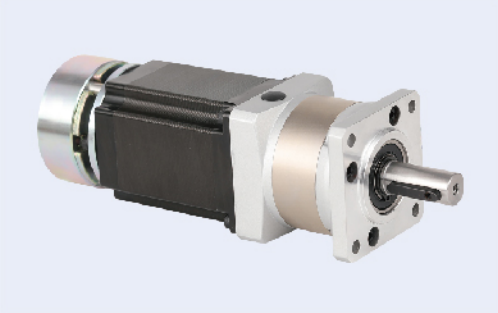
减速级数 Number of gear trains		1级					2级									
减速比 Reduction ratio		3	4	5	7	10	16	20	25	28	30	35	40	50	70	100
减速机长度（L1）Reducer length（L1）	mm	方35/圆40					方46/圆51									
额定输出扭矩 Rated output torque	N.m	8	9	9	5	5	10	12	12	10	10	10	10	10	10	5
瞬时转矩 Torque moment	N.m	2倍于额定允许负载														
传动效率 Transmission efficiency	%	96					94									
噪音 Noise	db	≤55														
重量 Weight	g	250					360									

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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°步进精密行星减速刹车电机

NEMA 23 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR



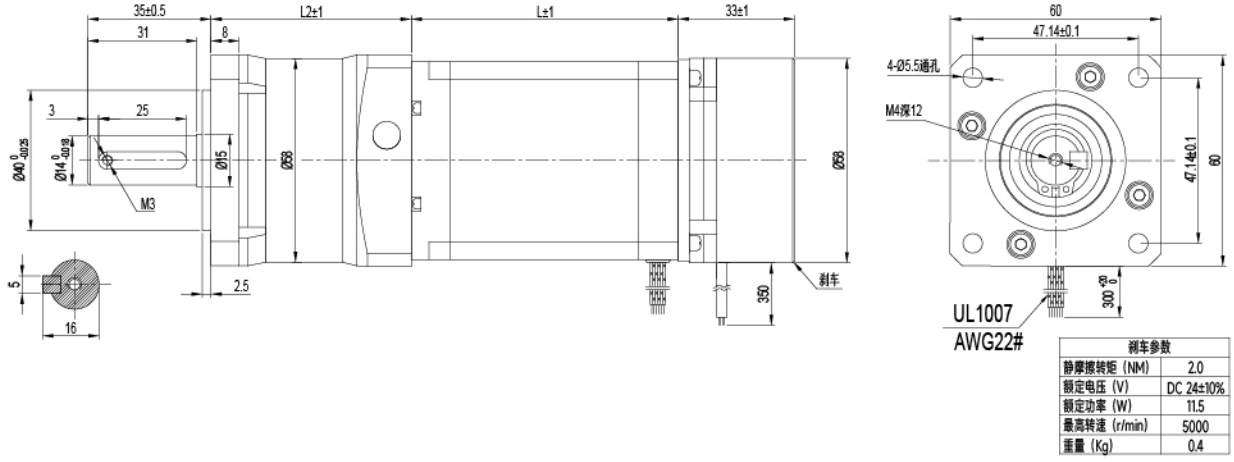
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%(整步无负载, full step, no load)
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	600VAC/1S
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	41	2.5	1.1	2.4	0.55	174	4	0.45
57HS51-2004A	51	2.0	1.3	4	0.8	257	4	0.64
57HS56-3004A	56	3.0	1.1	3.5	1.2	300	4	0.7
57HS64-4004A	64	4.0	0.6	1.7	1.4	390	4	0.85
57HS76-3004A	76	3.0	0.5	2.4	1.5	514	4	1
57HS84-3004A	84	3.0	0.57	2.8	1.5	578	4	1.15
57HS100-4204A	100	4.2	0.75	3.4	2.4	758	4	1.25
57HS115-4204A	112	4.2	0.8	3.8	2.5	856	4	1.4

电机机械尺寸
DIMENSIONS UNIT=MM



刹车参数	
静摩擦转矩 (NM)	2.0
额定电压 (V)	DC 24±10%
额定功率 (W)	11.5
最高转速 (r/min)	5000
重量 (Kg)	0.4

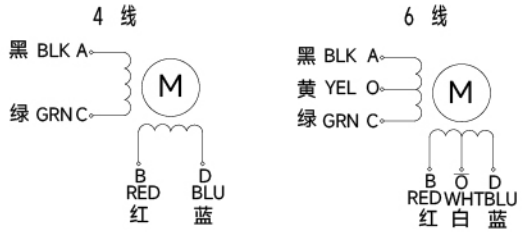
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57HS 1.8°步进精密行星减速刹车电机

NEMA 23 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR

电机接线图
WIRING DIAGRAM



HPS60 行星减速机技术参数
PLANETARY GEAR ELECTRICAL SPECIFICATIONS

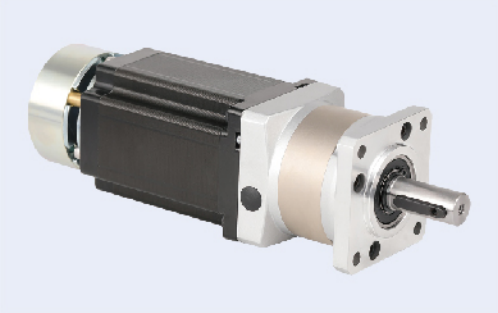
减速级数 Number of gear trains		1级					2级								
减速比 Reduction ratio		3	4	5	7	10	16	20	25	28	35	40	50	70	100
减速机长度（L1）Reducer length（L1）	mm	57					73								
额定输出扭矩 Rated output torque	N.m	16	25	28	20	10	30	30	32	30	30	25	25	20	10
瞬时转矩 Torque moment	N.m	2倍于额定允许负载													
传动效率 Transmission efficiency	%	96					94								
噪音 Noise	db	≤55													
重量 Weight	g	750					960								

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60HS 1.8°步进精密行星减速刹车电机

NEMA 24 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR



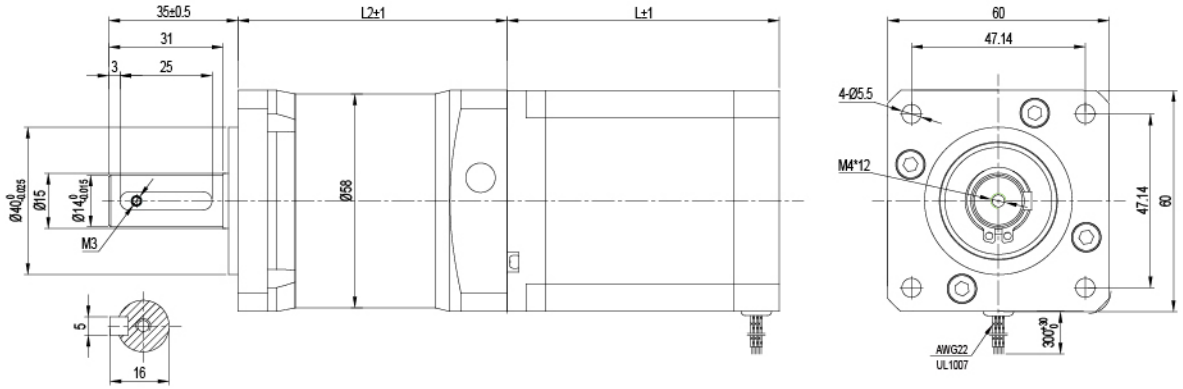
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%(整步无负载, full step, no load)
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	600VAC/1S
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	56	4.2	0.4	1.6	1.25	478	4	0.58
60HS65-2804A	65	2.8	0.95	2.5	1.4	590	4	0.58
60HS88-4204A	88	4.2	0.85	2.8	2.5	987	4	1.4
60HS100-4204A	100	4.2	0.8	3.0	2.8	1163	4	1.6

电机机械尺寸
DIMENSIONS UNIT=MM



刹车参数	
静摩擦转矩 (NM)	2.0
额定电压 (V)	DC 24±10%
额定功率 (W)	11.5
最高转速 (r/min)	5000
重量 (Kg)	0.4

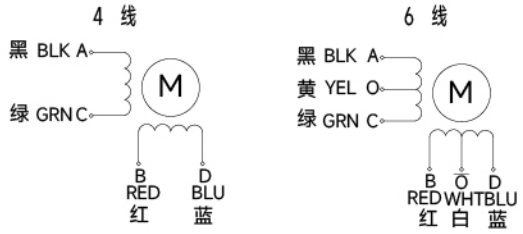
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60HS 1.8°步进精密行星减速刹车电机

NEMA 24 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR

电机接线图
WIRING DIAGRAM



HPS60 行星减速机技术参数
PLANETARY GEAR ELECTRICAL SPECIFICATIONS

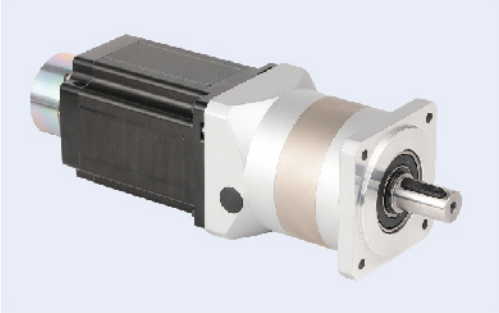
减速级数 Number of gear trains		1级					2级								
减速比 Reduction ratio		3	4	5	7	10	16	20	25	28	35	40	50	70	100
减速机长度（L1）Reducer length（L1）	mm	57					73								
额定输出扭矩 Rated output torque	N.m	16	25	28	20	10	30	30	32	30	30	25	25	20	10
瞬时转矩 Torque moment	N.m	2倍于额定允许负载													
传动效率 Transmission efficiency	%	96					94								
噪音 Noise	db	≤55													
重量 Weight	g	750					960								

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86HS 1.8°步进精密行星减速刹车电机

NEMA 34 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR



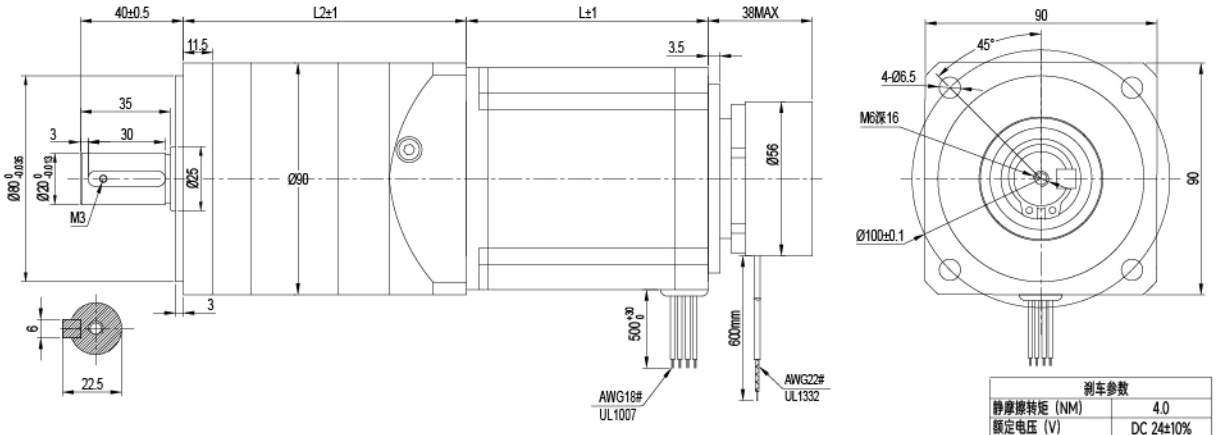
电气性能参数
ELECTRICAL SPECIFICATIONS

步矩角精度 Step Accuracy	±5%(整步无负载, full step, no load)
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	600VAC/1S
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	68	4.0	0.63	3.2	3.2	1574	4	1.85
86HSA80-5004A	80	5.0	0.38	3.5	4.5	2120	4	2.5
86HSA98-6004A	98	6.0	0.5	5.0	6.8	3110	4	3.1
86HSA118-6004A	118	6.0	0.6	6.8	8.5	3970	4	3.75
86HSA128-5004A	128	5.0	0.6	7.0	9.0	4540	4	4.25
86HSA158-6004A	158	6.0	0.73	8.0	11.0	5820	4	5.2

电机机械尺寸
DIMENSIONS UNIT=MM



刹车参数	
静摩擦转矩 (NM)	4.0
额定电压 (V)	DC 24±10%
额定功率 (W)	9.2
电流 (A)	0.385
电阻 (hm)	62.3
吸合电压 (V)	20Max
耐压	500VAC/1s,2mA

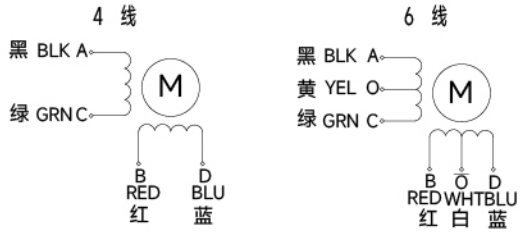
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86HS 1.8°步进精密行星减速刹车电机

NEMA 34 1.8° STEPPER MOTOR WITH PRECISION PLANETARY GEARBOX & BRAKE

ZZMOTOR

电机接线图
WIRING DIAGRAM



HPS90 行星减速机技术参
PLANETARY GEAR ELECTRICAL SPECIFICATIONS

减速级数 Number of gear trains		1级				2级							
减速比 Reduction ratio		4	5	7	10	16	20	25	28	35	40	50	70
减速机长度（L1）Reducer length（L1）	mm	110				132							
额定输出扭矩 Rated output torque	N.m	80	90	60	39	90	90	100	90	100	90	100	70
瞬时转矩 Torque moment	N.m	2倍于额定允许负载											
传动效率 Transmission efficiency	%	95				94							
噪音 Noise	db	≤55											
重量 Weight	kg	2.9				3.7							

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