

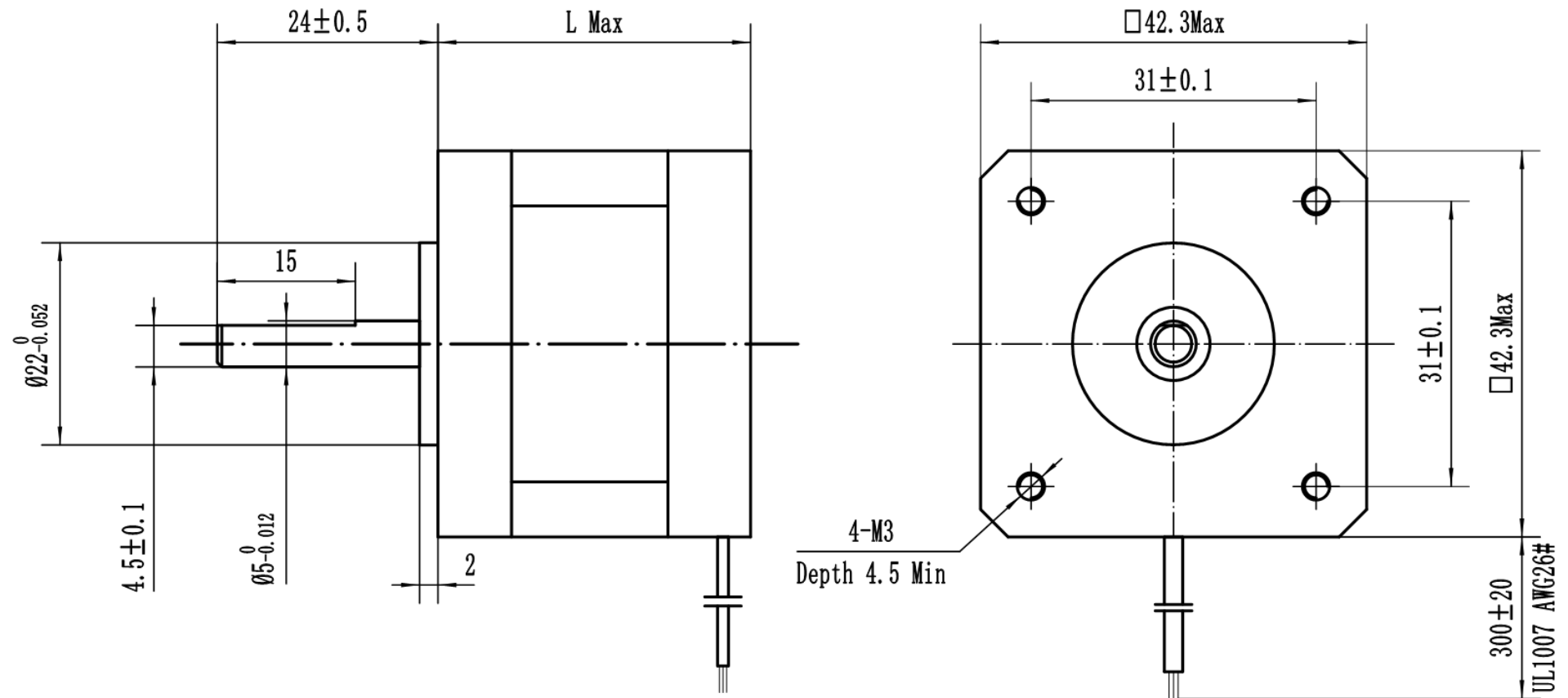
NEMA17 Hybrid Stepper Motor (1.8°) MR42HS Series



Technical Parameter

Subject	Specification	Subject	Specification
Phase	2	Axial Load	25N(5.6 Lbs.) Thrust 65(15 Lbs.) Tension
Step/Circle	200		
Step Angle	1.8°	Radial Load	30N(6.5 Lbs) point of action in the middle of shaft
Step Angle Accuracy	±5%	Operating Temperature	-20°C-50°C
IP Level	IP40	Insulation Grade	B class. 130°C(F class available)
Certificate	CE Rohs	Insulation Resistance	100 MegOhms

Drawing of the stepper motor



Size: mm

Technical Specification

型号 Model	相数 Number of phase	电流 Current	电阻 Resistance	电感 Inductance	保持转矩 Holding Torque	转动惯量 Rotor Inertia	定位力矩 Detent Torque	重量 Weight	机身长度 Length (L)
		A	Ω	mH	Kg. cm	g. cm ²	g. cm	Kg	mm
MR42HS21-4080	2	0.8	3.8	4.5	1.0	10	60	0.12	21
MR42HS28-4060	2	0.6	7.6	8.5	1.8	16	70	0.15	28
MR42HS34-4040	2	0.4	30	37	2.5	38	120	0.2	34
MR42HS34-4080	2	0.8	7.5	11	2.2				
MR42HS34-4100	2	1	3.2	5	2.8				
MR42HS34-4150	2	1.5	1.1	1.6	2.0				
MR42HS34-6040	4	0.4	30	21	2.0				
MR42HS34-6080	4	0.8	5.1	4.5	1.8				
MR42HS34-6120	4	1.2	2.9	2.5	2.0				
MR42HS40-4050	2	0.5	25	50	4.0	58	180	0.25	40
MR42HS40-4085	2	0.85	6.6	11	3.6				
MR42HS40-4100	2	1	5	11.2	4.0				
MR42HS40-4150	2	1.5	1.6	2.8	4.0				
MR42HS40-6050	4	0.5	25	25	2.8				
MR42HS40-6085	4	0.85	6	6.8	3.0				
MR42HS40-6130	4	1.3	2.5	2.8	3.0				

MR42HS48-4040	2	0.4	30	45	5.2	82	240	0.35	48
MR42HS48-4085	2	0.85	6.6	11	5.2				
MR42HS48-4100	2	1	7.3	12	5.2				
MR42HS48-4150	2	1.5	2	3.85	5.2				
MR42HS48-6040	4	0.4	29	33	4.0				
MR42HS48-6080	4	0.8	7.6	8.6	4.0				
MR42HS48-6120	4	1.2	3.3	3.2	4.0				
MR42HS48-6200	4	2	1.3	1.4	4.0				
MR42HS60-4100	2	1	5.4	14.1	7.0	120	280	0.58	60
MR42HS60-4150	2	1.5	2.8	7.2	7.0				
MR42HS60-4200	2	2	1.3	3.3	7.0				
MR42HS63-4100	2	1	5.6	14.6	8.0	122	300	0.6	63
MR42HS63-4150	2	1.5	3	7.7	8.0				
MR42HS63-4200	2	2	1.8	3.8	8.0				

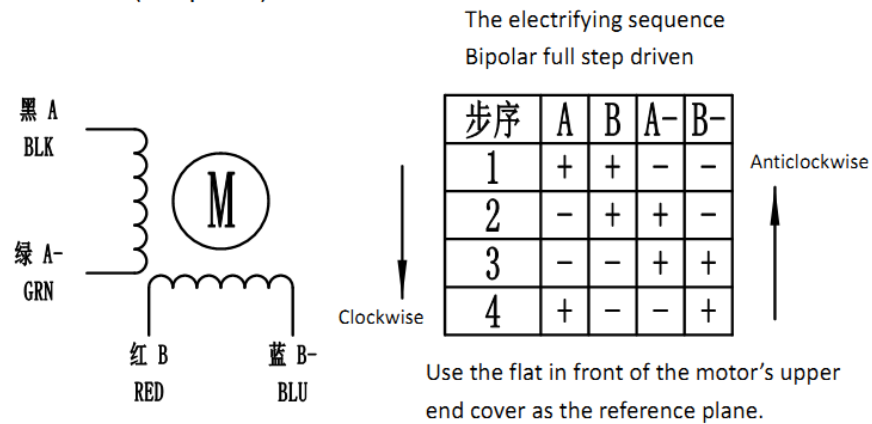
注：以上数据仅供参考，具体参数可根据要求定制。

Note: the above data are for reference only, and the specific parameters can be customized according to requirements.

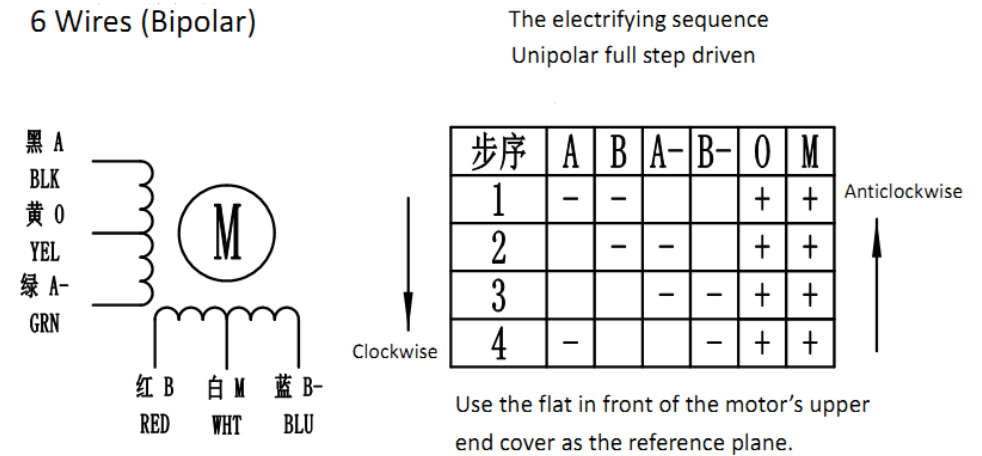
Wires Instruction

2 Phase Stepper Motor

4 Wires (Unipolar)



6 Wires (Bipolar)



4 Wires (Bipolar)

6 Wires (Unipolar)

Customized Service

- 1, The shaft can be customized based on customer's requirement of device connecting.
- 2, The coil winding and height of the motor can be customized based on customer's requirement about the torque, speed and others.
- 3, The wires can be customized, which includes lead, terminal of lead tape, socket and others





