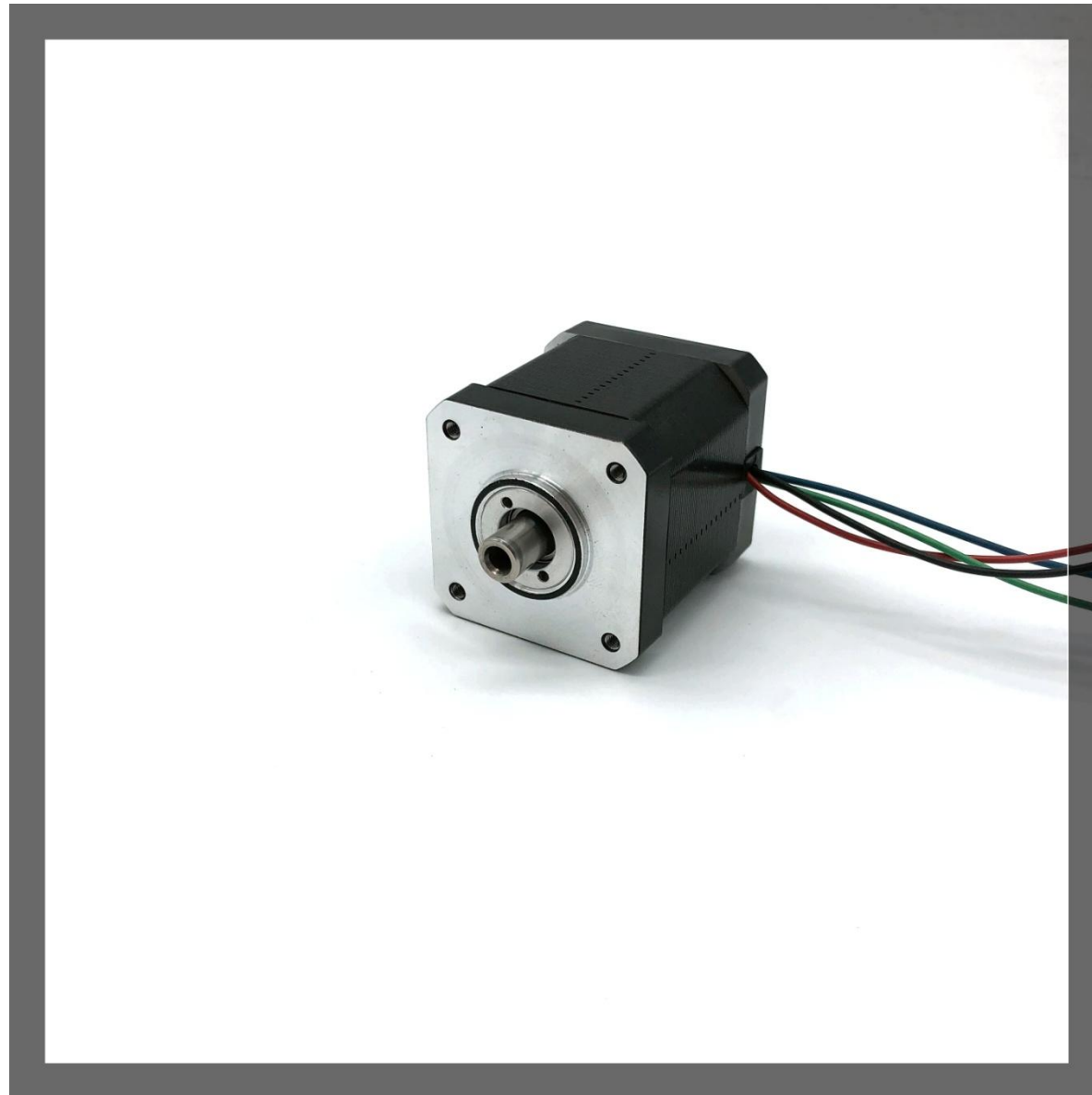


NEMA17 Hybrid Hollow Shaft Stepper Motor (1.8°) MR42HS Series



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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

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
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				
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				
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				

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)

The electrifying sequence
Bipolar full step driven

步序	A	B	A-	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

Use the flat in front of the motor's upper end cover as the reference plane.

黑 A
BLK
绿 A-
GRN
红 B
RED
蓝 B-
BLU

Clockwise

6 Wires (Bipolar)

The electrifying sequence
Unipolar full step driven

步序	A	B	A-	B-	0	M
1	-	-			+	+
2		-	-		+	+
3			-	-	+	+
4	-			-	+	+

Use the flat in front of the motor's upper end cover as the reference plane.

黑 A
BLK
黄 0
YEL
绿 A-
GRN
红 B
RED
白 M
WHT
蓝 B-
BLU

Clockwise

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

