

NEMA34 Hybrid Stepper Motor (1.8°) MR86HS Series

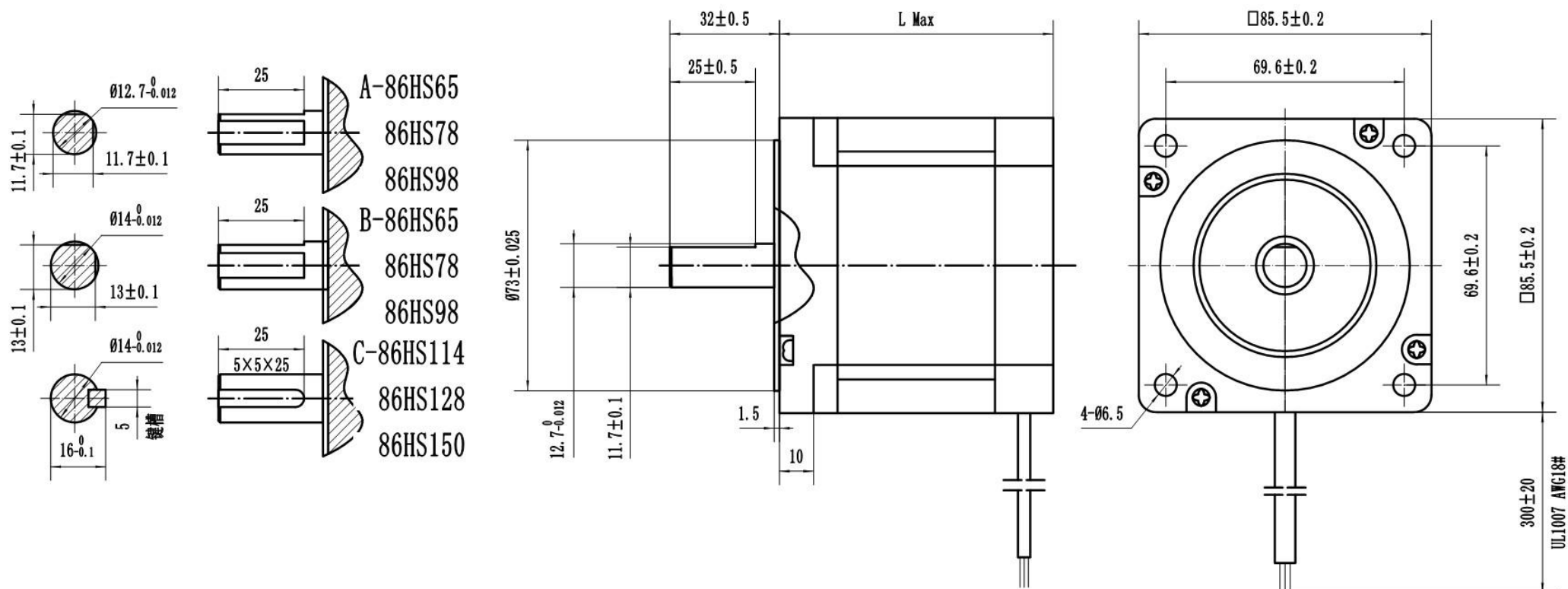


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Technical Parameter

Subject	Specification	Subject	Specification
Phase	2	Axial Load	65N(15 Lbs.) Thrust 155N(35 Lbs.) Tension
Step/Circle	200		
Step Angle	1.8°	Radial Load	220N(50 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	线数 Wires	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
MR86HS65-4400	4	4	0.55	1.8	22	800	400	1.7	65
MR86HS65-8360	8	3.6	0.5	0.7	16				
MR86HS68-4300	4	3	1.2	3.8	29	850	550	1.9	68
MR86HS68-8200	8	2	2.2	7.2	26				
MR86HS76-4300	4	3	0.72	2.9	29	1400	1400	2.2	76
MR86HS76-4400	4	4	0.5	3.2	34				
MR86HS76-8270	8	2.7	1.6	5.6	29				
MR86HS76-8400	8	4	0.7	3	30				
MR86HS80-4300	4	3	1.5	8.4	43	1400	1400	2.3	80
MR86HS98-4400	4	4	0.8	4.2	55	1700	1900	2.7	98
MR86HS98-4500	4	5	0.65	2.5	55				
MR86HS98-8500	8	5	0.5	2.2	46				

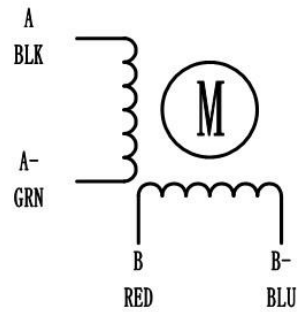
MR86HS114-4400	4	4	0.7	6.4	52	2700	2300	3.5	114
MR86HS114-4500	4	5	0.65	4.6	70				
MR86HS114-8400	8	4	1.1	5.5	58				
MR86HS128-4400	4	4	0.7	3.5	68	3200	2800	4.2	128
MR86HS128-4600	4	6	0.35	2.5	72				
MR86HS128-8400	8	4	1.3	5.8	64				
MR86HS150-4400	4	4	1.8	15.5	110	3600	3200	5	150
MR86HS150-4600	4	6	0.65	4.6	120				
MR86HS150-8400	8	4	1.1	7.4	100				

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

4 Lead (Bipolar)

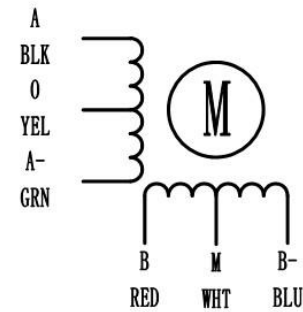


Current order Bipolar drive

Step sequence	A	B	A-	B-	
1	+	+	-	-	
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

The plane of the end cover of the motor is the reference surface

6 Lead (Unipolar)

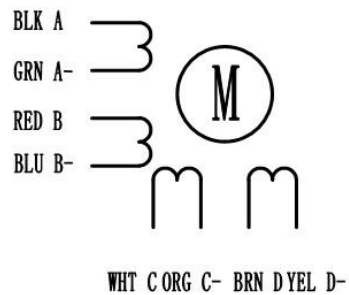


Current order Single polarity full step drive

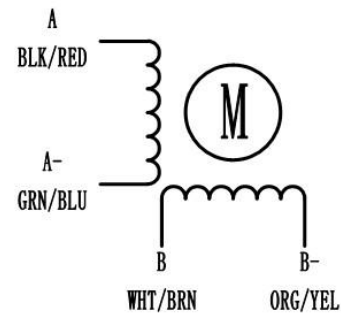
Step sequence	A	B	A-	B-	O	M	
1	-	-			+	+	
2		-	-		+	+	
3			-	-	+	+	
4	-			-	+	+	

The plane of the end cover of the motor is the reference surface

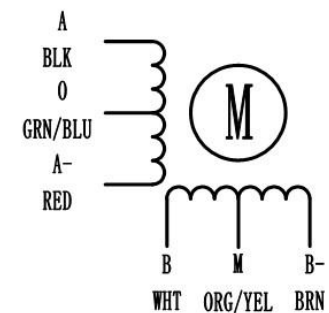
8 Lead



8-4 Lead (Bipolar)



8-6 Lead (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

