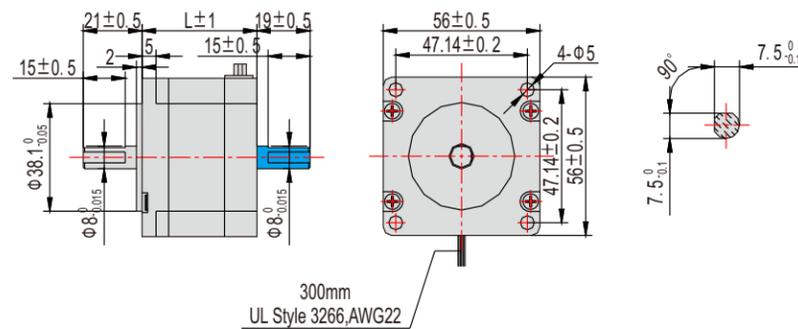


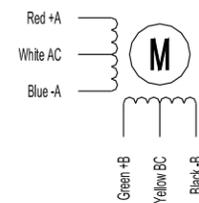
56mm

56mm

Dimension



Wiring Diagram



- ※ The above drawings are for dual shaft stepping motor, while single shaft without part [redacted]
- ※ Customized features are available, such as additional eccentric gear box, power off brake, encoder.
- ※ Spigot installation with front cover is a must when set up the motor, tolerance fiding should be taken into account, to secure the concentricity of output shaft and motor output.

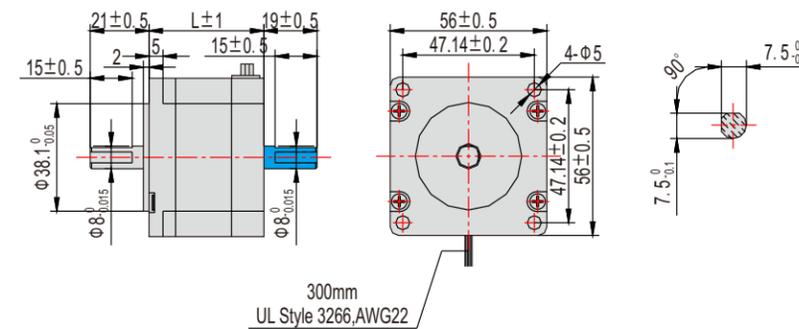
Technical Parameters

Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min500VDC
Dielectric Strength	500V AC for one minute
Shaft Radial Force	0.02Max (450g load)
Axial Play	0.08Max (450g load)
Max Radial Force	75N (20mm from the flange)
Max Axial Force	15N

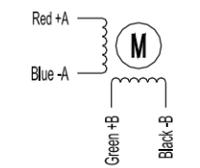
Technical Parameters

Stepper motor Model		Stepper Drive Model	Current /phase	Resistance /phase	Inductance /phase	Holding Torque	Lead	Rotor Inertia	Weight	Length
Single shaft	Double shaft		A	Ω	mH	kg-cm		g-cm ²	Kg	L(mm)
YSD254-RA6	YSD254-RB6	SEA2D34	2	1.4	1.4	3.9	6	120	0.45	41
YSD255-RA6	YSD255-RB6		3	0.74	0.9	7.2	6	275	0.65	51
YSD256-RA6	YSD256-RB6	SEA2D44	3	0.75	1.1	9	6	300	0.7	56
YSD258-RA6	YSD258-RB6		3	1	1.6	13.5	6	480	1	76

Dimension



Wiring Diagram



- ※ The above drawings are for dual shaft stepping motor, while single shaft without part [redacted]
- ※ Customized features are available, such as additional eccentric gear box, power off brake, encoder.
- ※ Spigot installation with front cover is a must when set up the motor, tolerance fiding should be taken into account, to secure the concentricity of output shaft and motor output.

Technical Parameters

Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	±5%(full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max (rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min500VDC
Dielectric Strength	500V AC for one minute
Shaft Radial Force	0.02Max (450g load)
Axial Play	0.08Max (450g load)
Max Radial Force	75N (20mm from the flange)
Max Axial Force	15N

Technical Parameters

Stepper motor Model		Stepper Drive Model	Current /phase	Resistance /phase	Inductance /phase	Holding Torque	Lead	Rotor Inertia	Weight	Length
Single shaft	Double shaft		A	Ω	mH	kg-cm		g-cm ²	Kg	L(mm)
YSD254-RA4	YSD254-RB4	SEA2M44	3	0.55	1.2	5.5	4	150	0.45	41
YSD255-RA4	YSD255-RB4		4.2	0.74	0.9	7.2	4	275	0.65	51
YSD256-RA4	YSD256-RB4	SEA2M46M	4.2	0.4	1.2	11	4	280	0.7	56
YSD258-RA4	YSD258-RB4		4.2	0.6	1.8	18	4	440	1	76