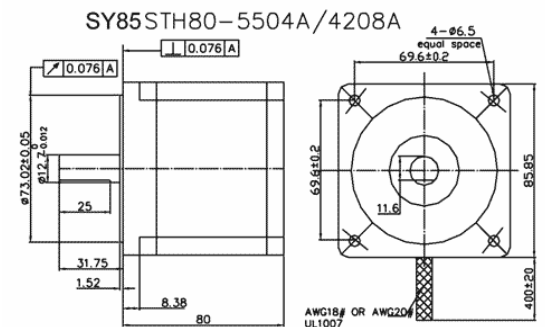
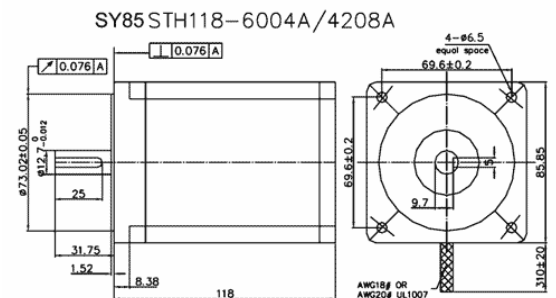
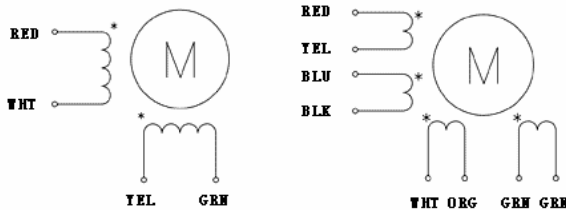


## Specification for High Torque Hybrid Stepping Motor

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 Min. ,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)
Max. radial force	200 N ( 20mm from the Flange )
Max. axial force	60N
Rotation	CW( See from Front Flange )



## Wiring Diagram



## Size 85mm Hybrid Stepping Motor Specifications

Model No.		Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	A	Ω	mH	kg-cm		g-cm <sup>2</sup>	kg	kg-cm	mm
SY85STH65-5904A	SY85STH65-5904B	5.9	0.28	1.7	34	4	1000	1.7	0.8	65
SY85STH65-2808A	SY85STH65-2808B	2.8	1.4	3.9	34	8				
SY85STH80-5504A	SY85STH80-5504B	5.5	0.46	4	46	4	1400	2.3	1.2	80
SY85STH80-4208A	SY85STH80-4208B	4.2	0.75	3.4	46	8				
SY85STH118-6004A	SY85STH118-6004B	6	0.6	6.5	87	4	2700	3.8	2.4	118
SY85STH118-	SY85STH118-	4.2	0.9	6	87	8				
SY85STH156-6204A	SY85STH156-6204B	6.2	0.75	9	122	4	4000	5.4	3.6	156
SY85STH156-4208A	SY85STH156-4208B	4.2	1.25	8	122	8				

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