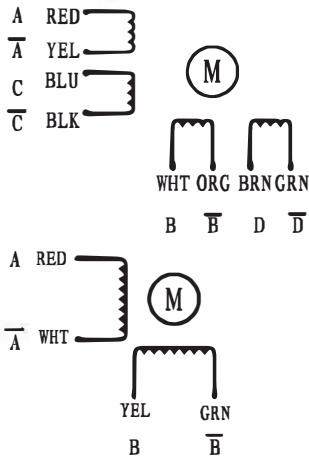


Stepper motor | 85mm 2 phase hybrid stepper motor

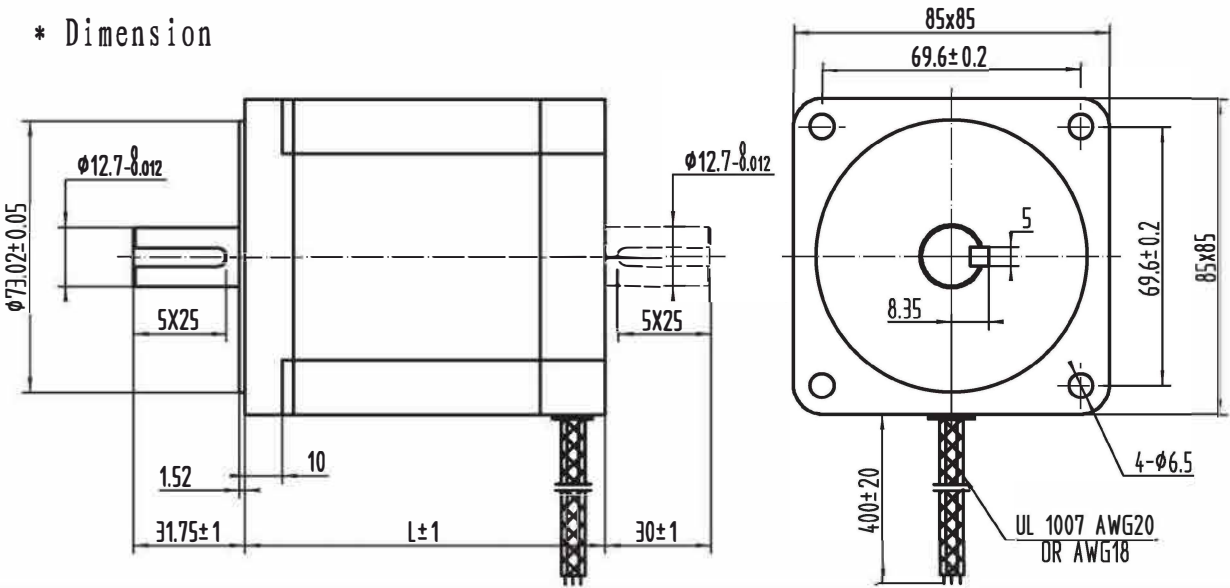
Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Insulation Resistance	500VDC 100MΩMin
Dielectric Strength	500VAC 1 minute
Ambient Temperature	-20℃-- +50℃
Temperature Rise	80℃ Max(rated current)
Shaft Axial Play	0.08mm Max(450g load)
Shaft Radial Play	0.02mm Max(450g load)
Max Axial Force	80N
Max Radial Force	220N(20mm from the flange)
Insulation Class	B



* Specifications

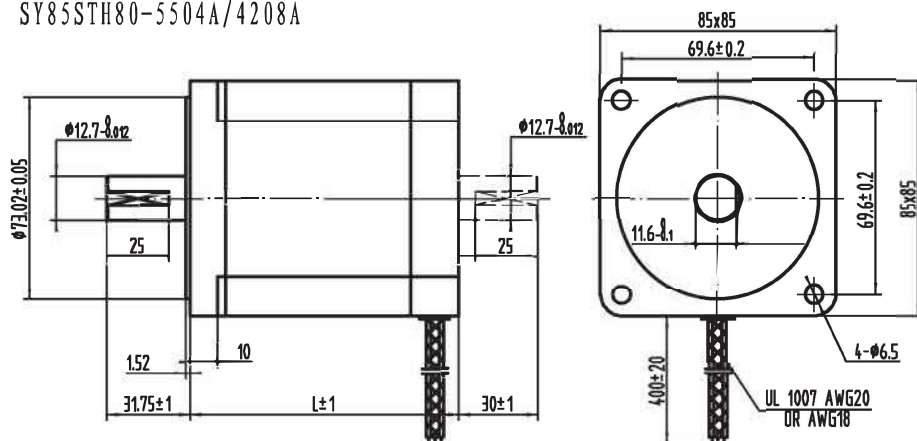
Model	Motor Codes	Voltage /Phase	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	NO. of Leads	Rotor Inertia	Weight	Detent Torque	Length
Units		V	A	Ω	mH	N. m		g. cm ²	Kg	Kg-cm	mm
SY85STH65-5904A	110065000	1.65	5.9	0.28	1.7	3.4	4	1000	1.8	0.8	65
SY85STH65-2808A	110065001	3.92	2.8	1.4	3.9	3.4	8				
SY85STH80-5504A	110080000	2.53	5.5	0.46	4	4.6	4	1400	2.4	1.2	80
SY85STH80-4208A	110080001	3.18	4.2	0.75	3.4	4.6	8				
SY85STH118-6004A	110118000	3.6	6.0	0.6	6.5	8.7	4	2700	3.8	2.4	118
SY85STH118-4208A	110118001	3.78	4.2	0.9	6.0	8.7	8				
SY85STH156-6204A	110156000	4.65	6.2	0.75	9.0	12.2	4	4000	5.4	0.36	156
SY85STH156-4208A	110156001	5.25	4.2	1.25	8.0	12.2	8				

* Dimension

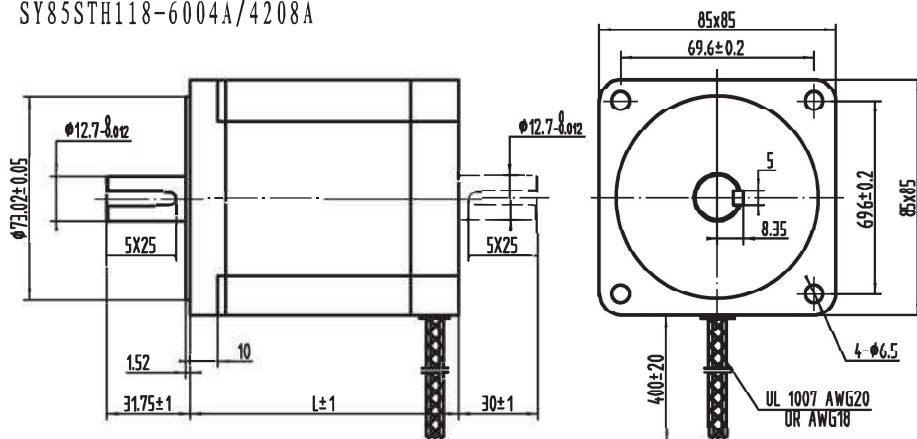


Stepper motor | 85mm 2 phase hybrid stepper motor

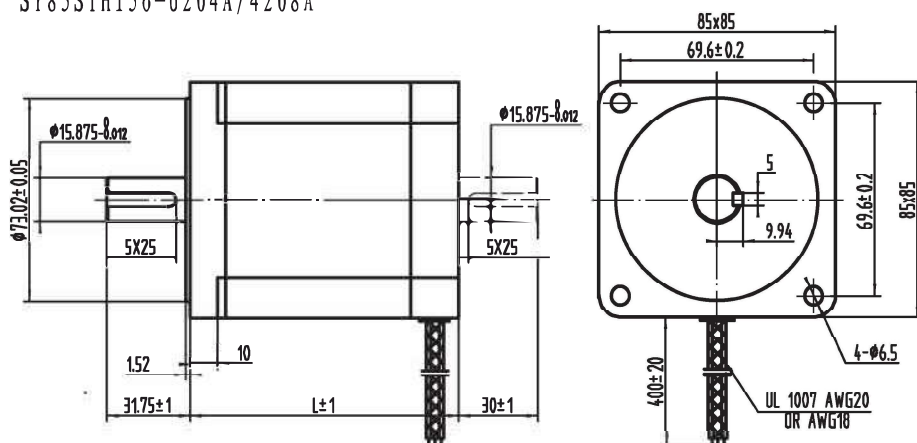
SY85STH80-5504A/4208A



SY85STH118-6004A/4208A

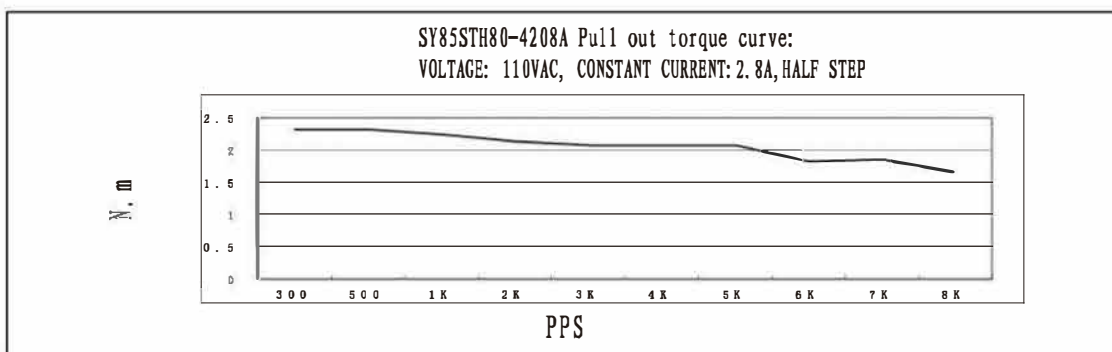
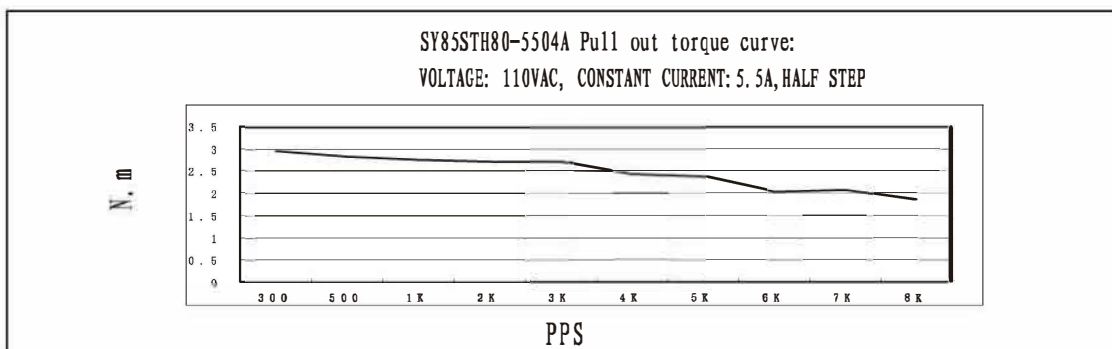
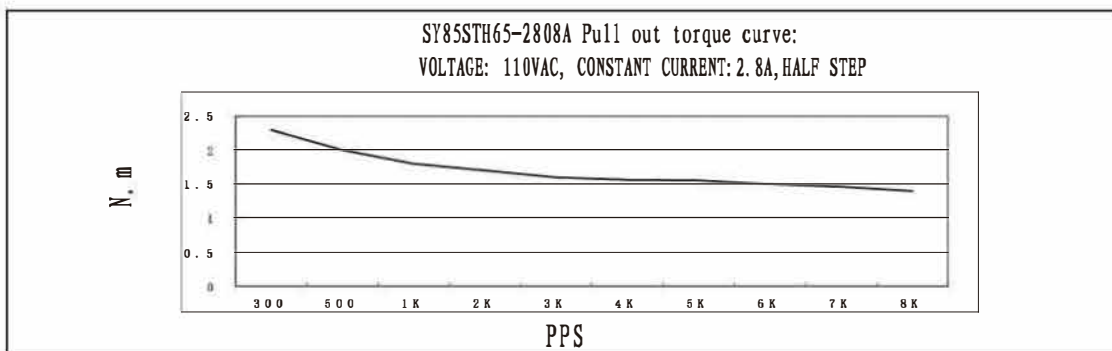
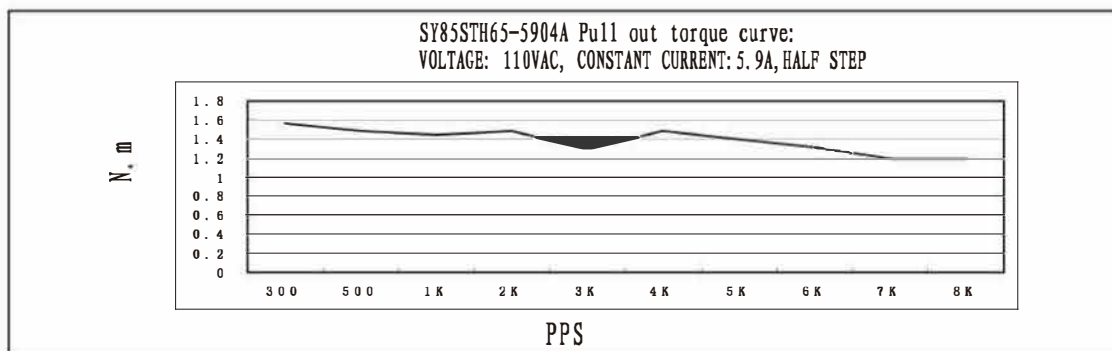


SY85STH156-6204A/4208A



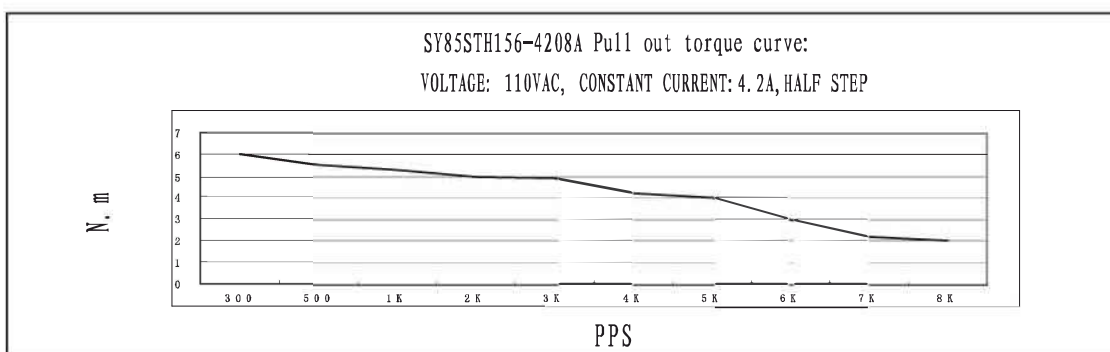
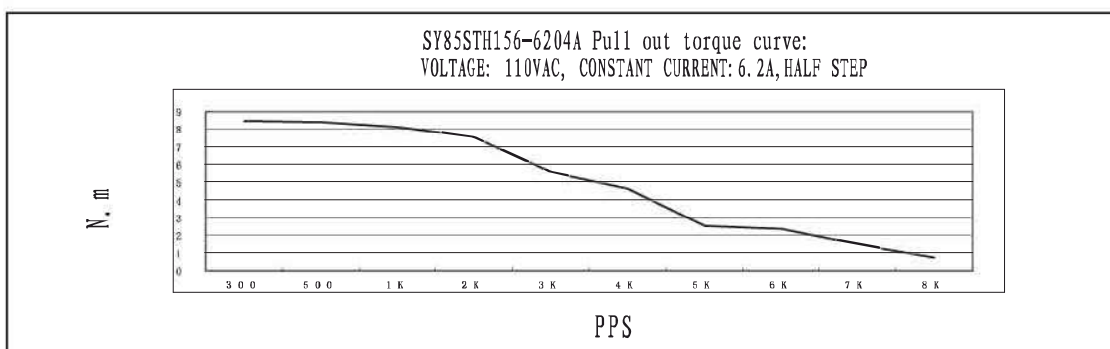
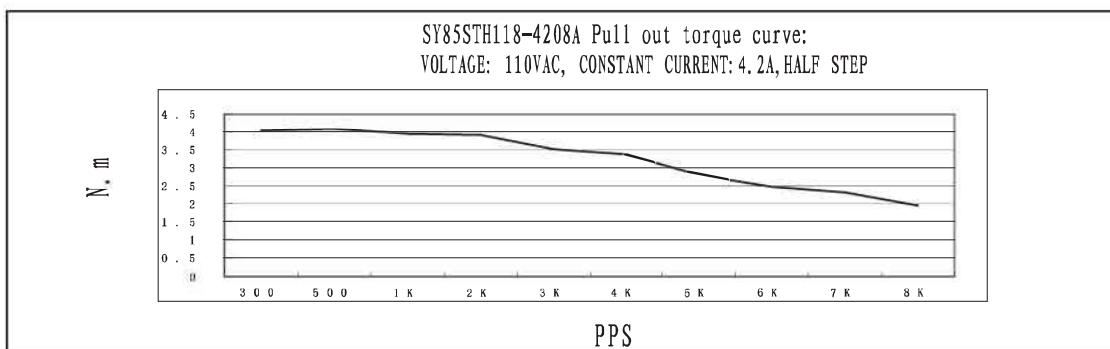
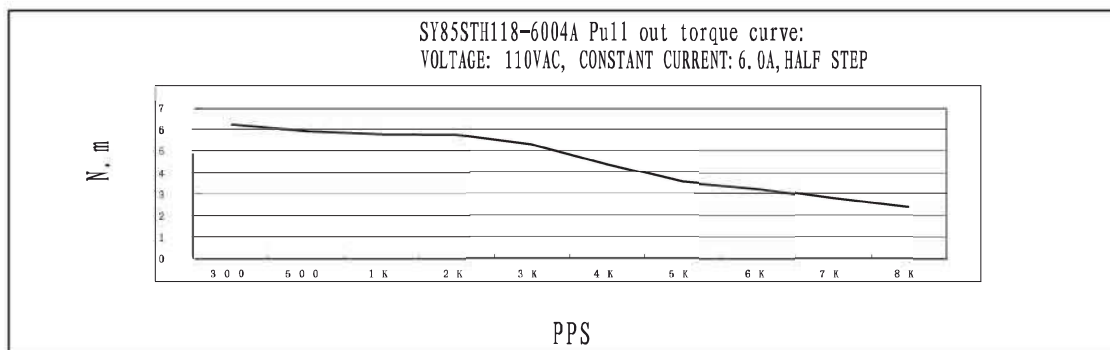
Stepper motor | 85mm 2 phase hybrid stepper motor

- Pull out torque curve:



Stepper motor | 85mm 2 phase hybrid stepper motor

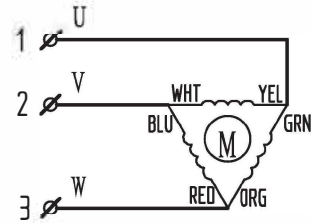
● Pull out torque curve:



Powermec

Stepper motor | 85 mm 3 phase hybrid stepper motor

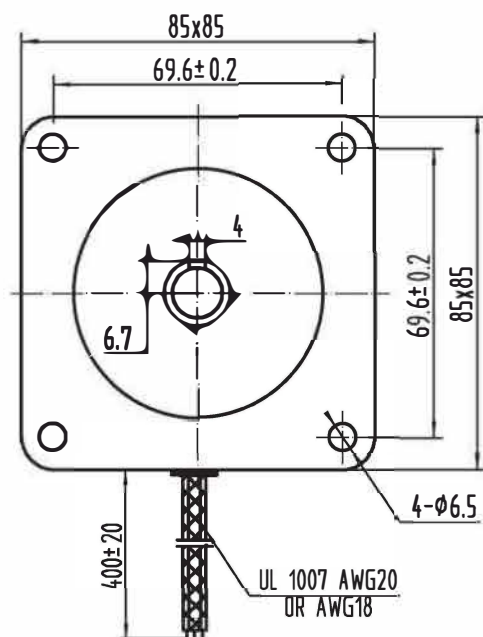
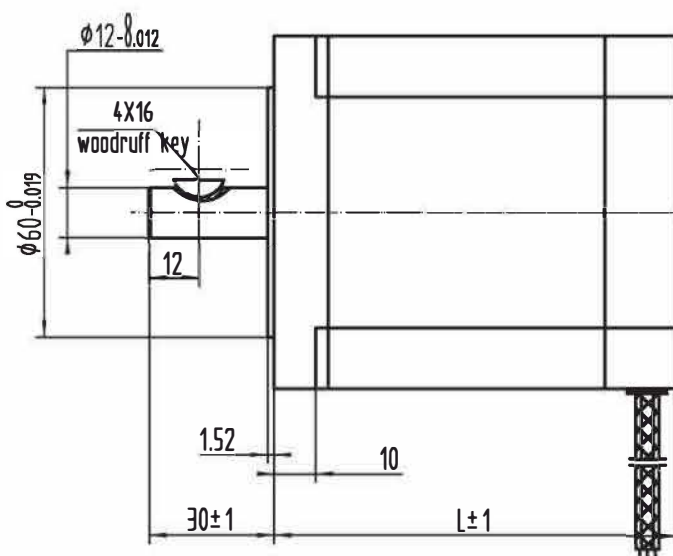
Step Angle	1.2°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Insulation Resistance	500VDC 100MΩMin
Dielectric Strength	500VAC 1 minute
Ambient Temperature	-20℃-- +50℃
Temperature Rise	80℃ Max (rated current)
Shaft Axial Play	0.08mm Max (450g load)
Shaft Radial Play	0.02mm Max (450g load)
Max Axial Force	80N
Max Radial Force	220N (20mm from the flange)
Insulation Class	B



* Specifications

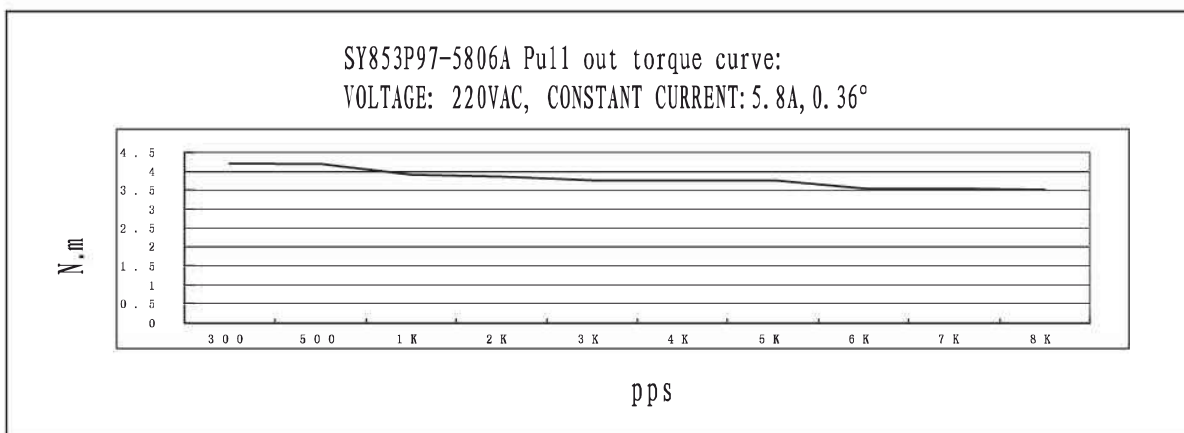
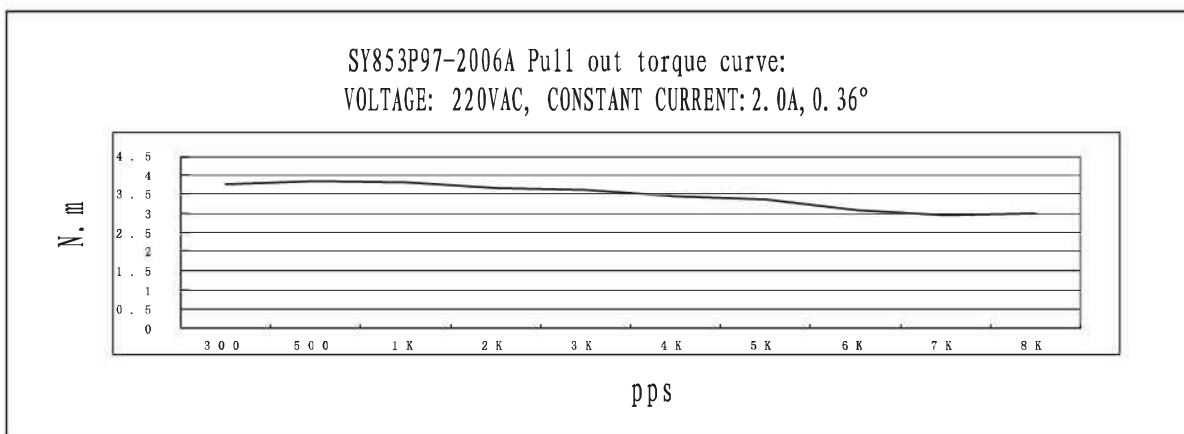
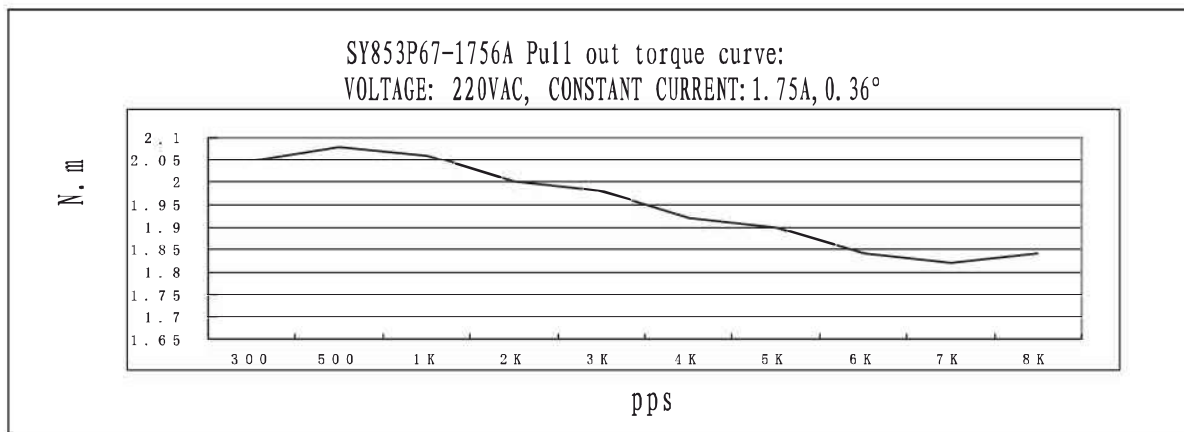
Model	Motor Codes	Voltage /Phase	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	NO. of Leads	Rotor Inertia	Weight	Detent Torque	Length
Units		V	A	Ω	mH	N. m		g. cm ²	Kg	Kg-cm	mm
SY853P67-1756A	120067000	7.44	1.75	4.25	12.3	2.26	6	1100	1.9	1.0	67
SY853P97-2006A	120097000	10.8	2.0	5.4	23	4.52	6	1400	3.1	2.0	97
SY853P97-5806A	120097001	5.22	5.8	0.9	3.2		6				
SY853P97-5206A	120097002	5.72	5.2	1.1	6.8		6				
SY853P127-2256A	120127000	20.25	2.25	9.0	41	6.78	6	2700	4.3	3.0	127
SY853P127-5206A	120127001	14.3	5.2	2.75	13.7		6				

* Dimension



Stepper motor | 85 mm 3 phase hybrid stepper motor

- Pull out torque curve:



Stepper motor | 85 mm 3 phase hybrid stepper motor

- Pull out torque curve:

