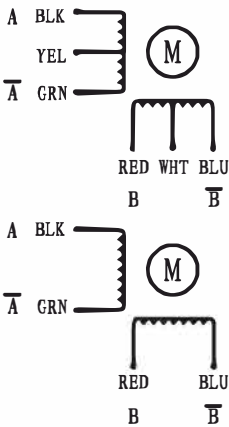
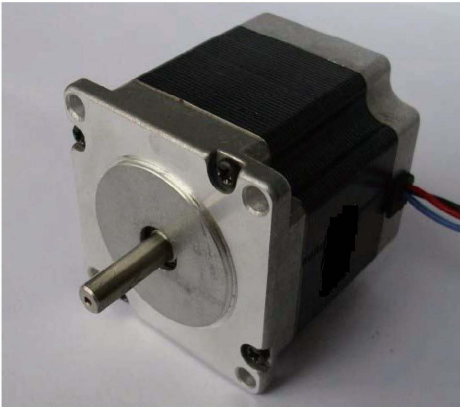


Stepper motor| 57 mm 2 phase hybrid stepper motor

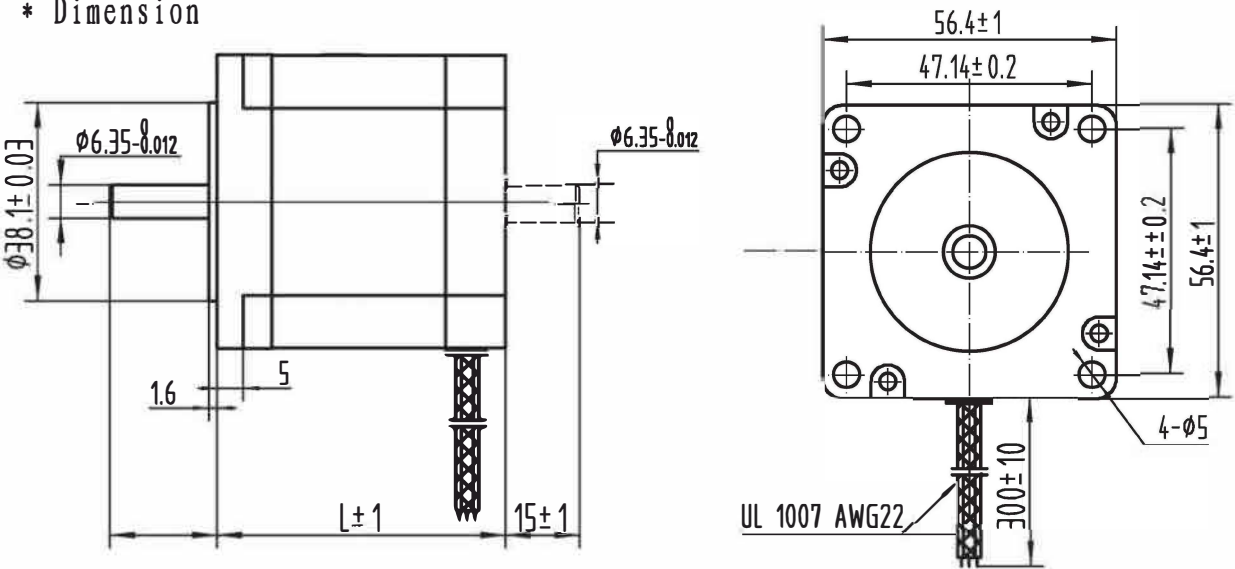
Step Angle	0.9°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Insulation Resistance	500VDC 100MΩMin
Dielectric Strength	500VAC 1 minute
Ambient Temperature	-20℃-- +50℃
Temperature Rise	80℃ Max(rated current)
Shaft Axial Play	0.08mm Max(450g load)
Shaft Radial Play	0.02mm Max(450g load)
Max Axial Force	15N
Max Radial Force	75N(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. cm		g. cm ²	Kg	Kg-cm	mm
SY57STH41-2006MA	070041001	2.8	2	1.4	2.2	39	6	120	0.45	0.21	41
SY57STH41-2804MA	070041003	2	2.8	0.7	2.2	55	4				
SY57STH56-2006MA	070056001	3.6	2	1.8	4.5	90	6	300	0.7	0.4	56
SY57STH56-2804MA	070056003	2.5	2.8	0.9	4.5	126	4				
SY57STH76-2006MA	070076001	4.5	2	2.25	5.6	135	6	480	1	0.68	76
SY57STH76-2804MA	070076003	3.2	2.8	1.13	5.6	189	4				

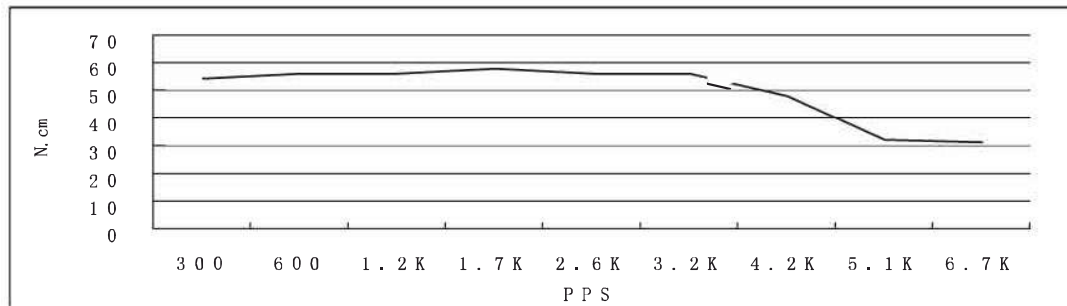
* Dimension



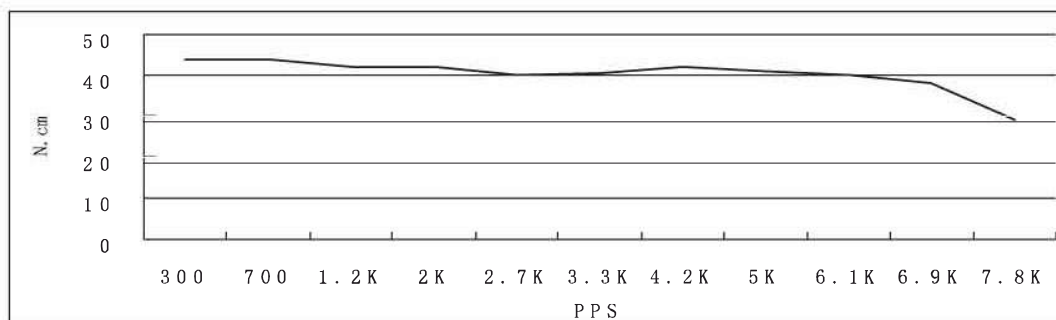
Stepper motor | 57 mm 2 phase hybrid stepper motor

- Pull out torque curve:

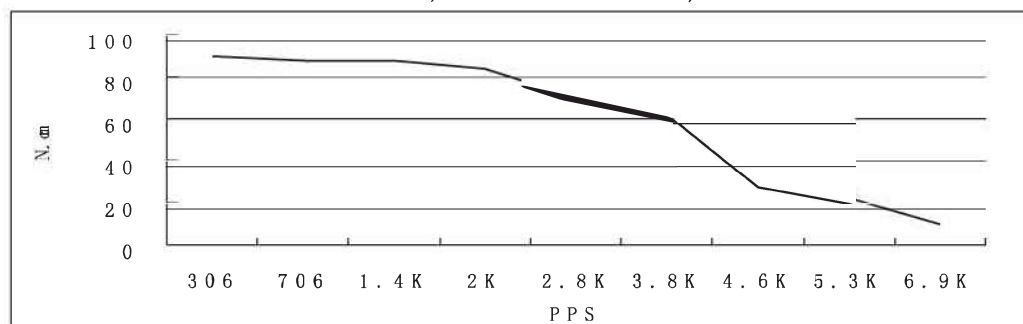
SY57STH41-2006MA Pull out torque curve:
VOLTAGE: 30VDC, CONSTANT CURRENT: 2.0A, HALF STEP



SY57STH41-2804MA Pull out torque curve:
VOLTAGE: 30VDC, CONSTANT CURRENT: 2.8A, HALF STEP

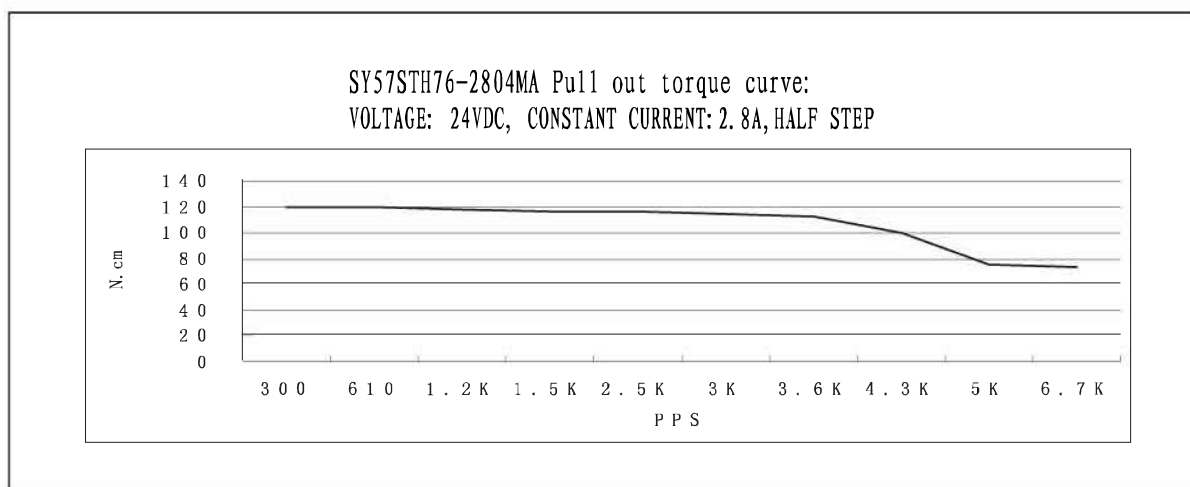
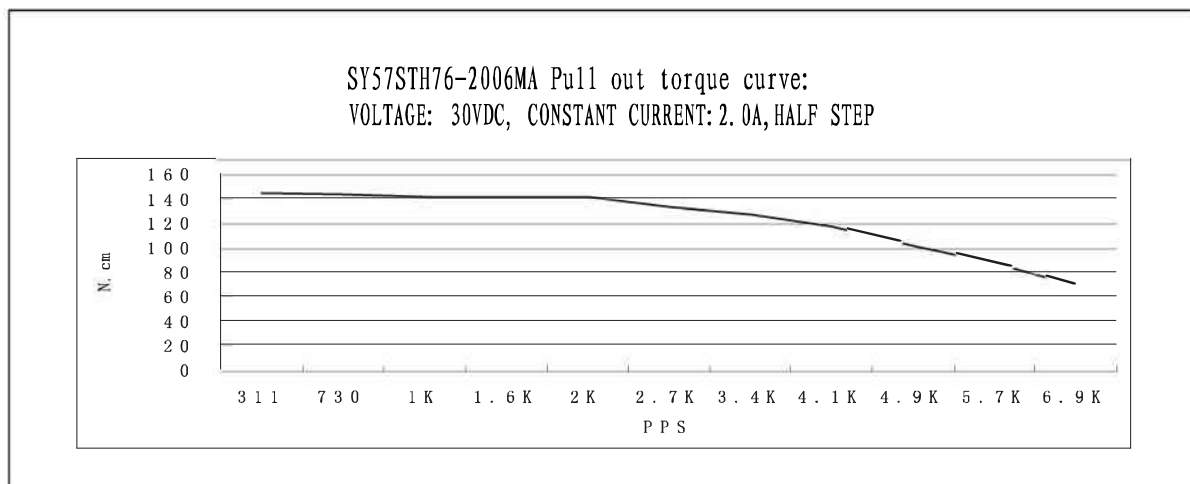
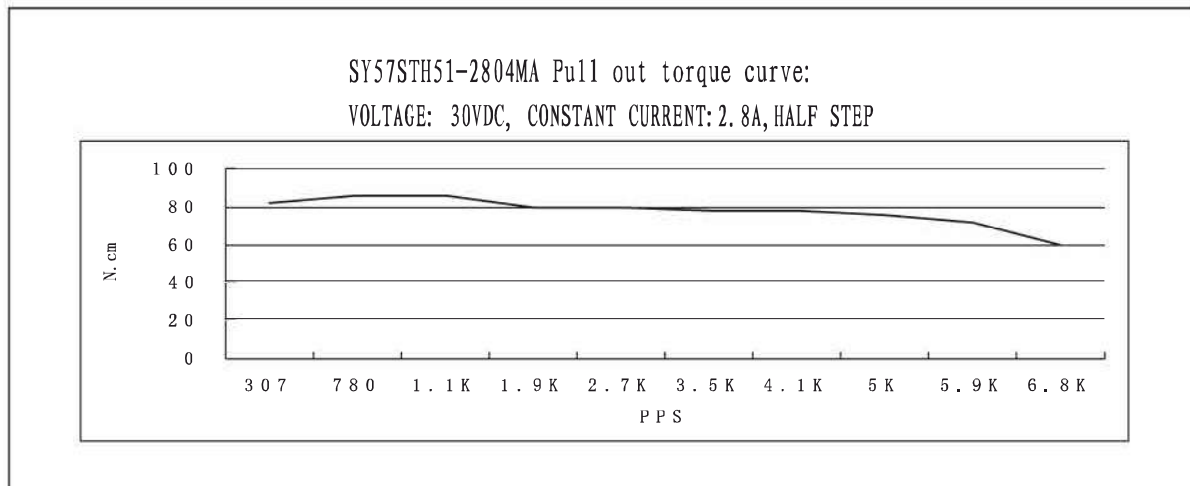


SY57STH56-2006MA Pull out torque curve:
VOLTAGE: 30VDC, CONSTANT CURRENT: 2.0A, HALF STEP

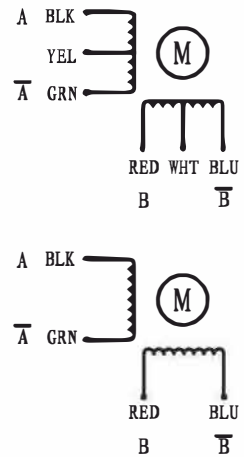


Stepper motor| 57 mm 2 phase hybrid stepper motor

- Pull out torque curve:



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	15N
Max Radial Force	75N(20mm from the flange)
Insulation Class	B



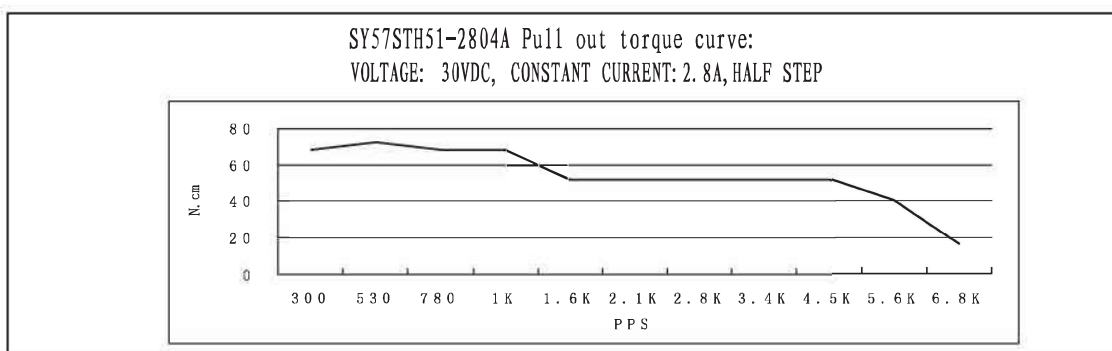
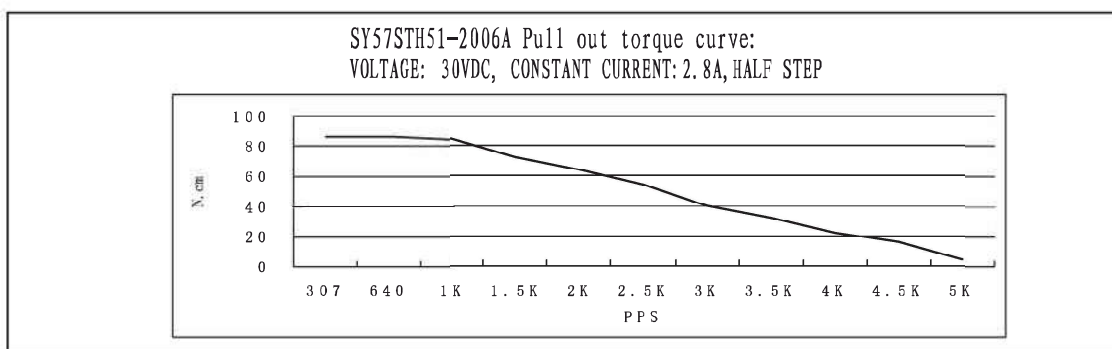
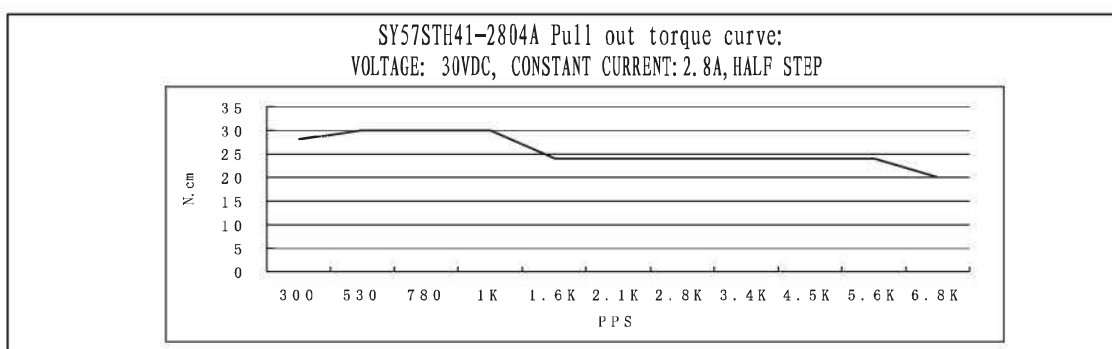
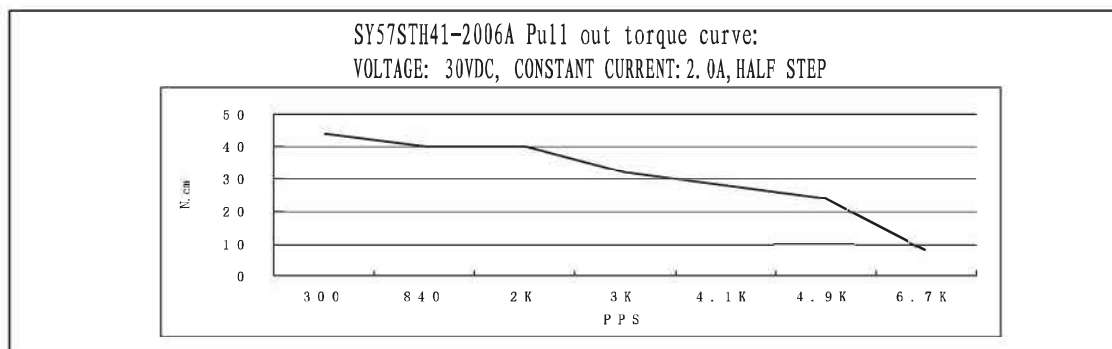
Model	Motor Codes	Voltage /Phase	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	NO. of Leads	Rotor Inertia	Weight	Detent Torque	Length
Units		V	A	Ω	mH	N. cm		g. cm ²	Kg	Kg-cm	mm
SY57STH41-2006A	080041001	2.8	2	1.4	1.4	39	6	120	0.45	0.21	41
SY57STH41-2804A	080041003	2	2.8	0.7	1.4	55	4				
SY57STH51-2006A	080051001	3.3	2	1.65	2.2	72	6	275	0.61	0.36	51
SY57STH51-2804A	080051003	2.3	2.8	0.83	2.2	101	4				
SY57STH56-2006A	080056001	3.6	2	1.8	2.5	90	6	300	0.7	0.4	56
SY57STH56-2804A	080056003	2.5	2.8	0.9	2.5	126	4				
SY57STH76-2006A	080076001	4.5	2	2.25	3.6	135	6	480	1	0.68	76
SY57STH76-2804A	080076003	3.2	2.8	1.13	3.6	189	4				

* Dimension

The drawing shows a cable gland assembly. The side view on the left includes dimensions: a central hole of $\phi 6.35 - 0.012$, a total height of $E0.0 \pm 1.8E\phi$, a base width of 20.6 ± 1 , a mounting flange width of 1.6 , a flange thickness of 5 , a total length of $L \pm 1$, and a cable entry length of 15 ± 1 . The top view on the right shows a square flange with a side length of 56.4 ± 1 , a central circular hole, and four mounting holes. The distance between the mounting holes is 47.14 ± 0.2 . The cable entry is labeled $4-\phi 5$ and $UL 1007 AWG22$ with a length of 300 ± 10 .

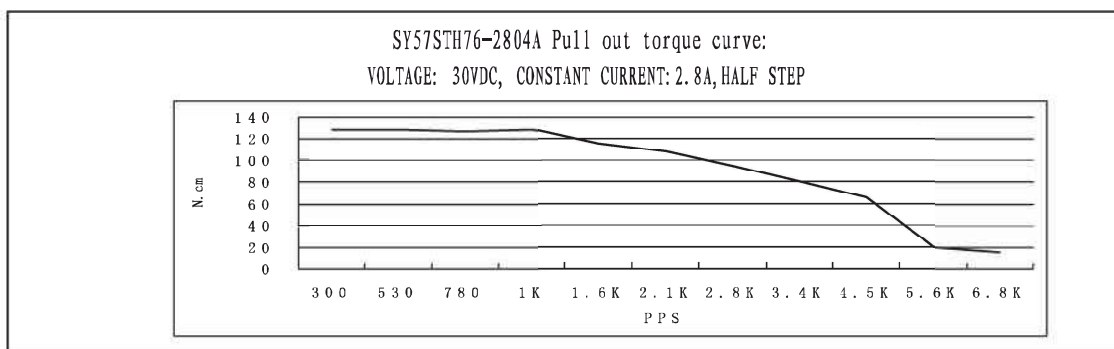
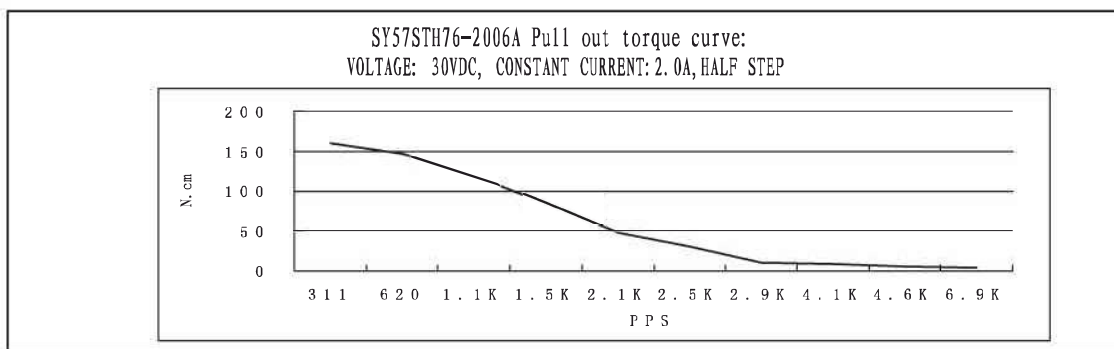
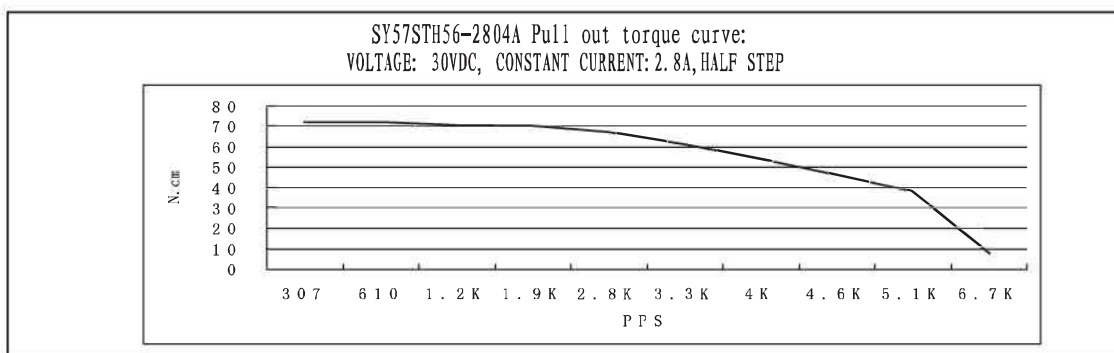
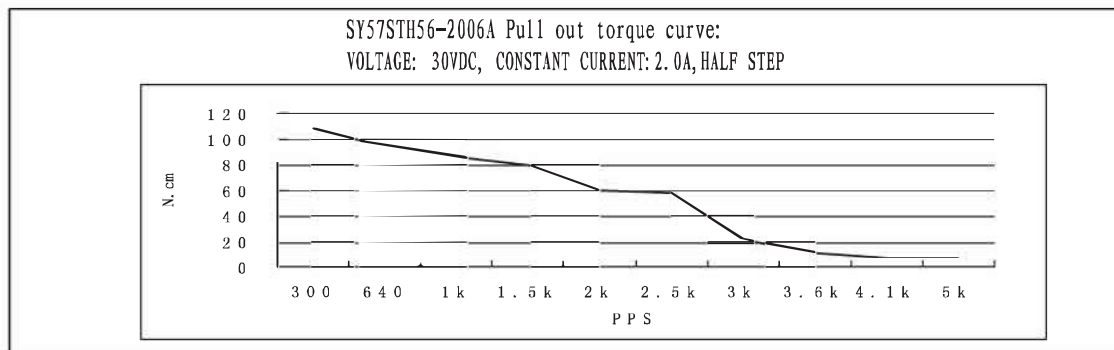
Stepper motor| 57 mm 2 phase hybrid stepper motor

- Pull out torque curve:



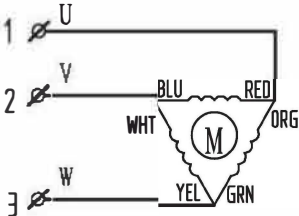
Stepper motor| 57 mm 2 phase hybrid stepper motor

- Pull out torque curve:



Stepper motor | 57 mm 3 phase hybrid stepper motor

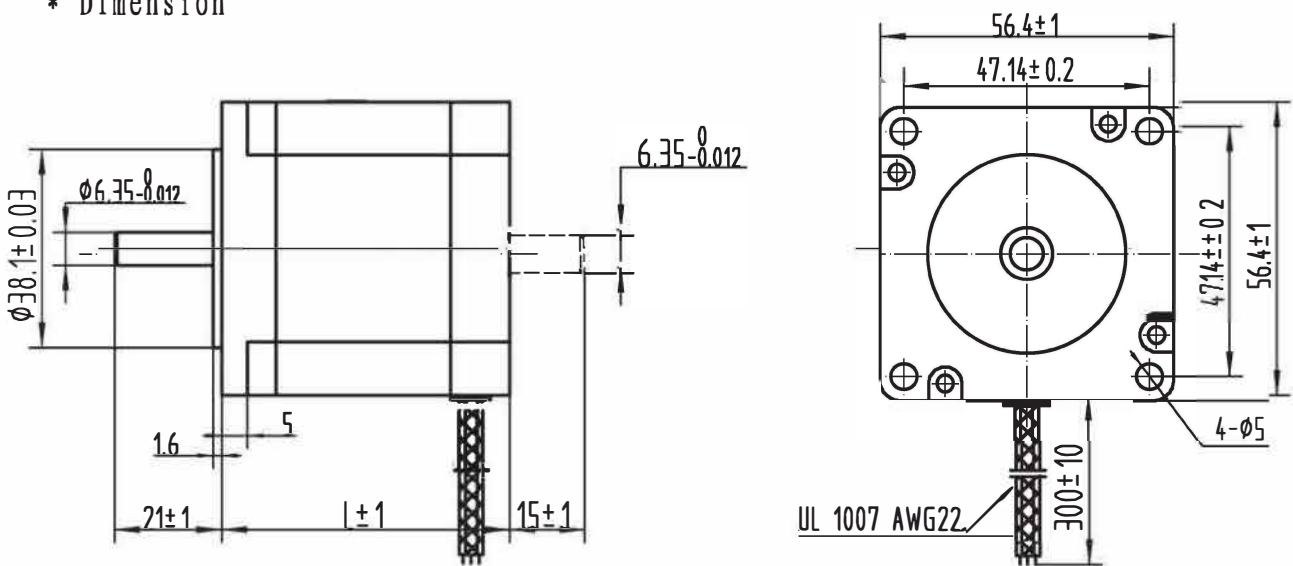
Step Angle	1.2°
Step Angle Accuracy	± 5% (full step, no load)
Resistance Accuracy	± 10%
Inductance Accuracy	± 20%
Insulation Resistance	500VDC 100MΩMin
Dielectric Strength	500VAC 1 minute
Ambient Temperature	-20℃— +50℃
Temperature Rise	80℃ Max(rated current)
Shaft Axial Play	0.08mm Max(450g load)
Shaft Radial Play	0.02mm Max(450g load)
Max Axial Force	15N
Max Radial Force	75N(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. cm		g. cm ²	Kg	Kg-cm	mm
SY573P42-5206A	100042000	6.76	5.2	1.3	1.1	45	6	100	0.48	0.21	42
SY573P56-5606A	100056000	3.92	5.6	0.7	1.1	90	6	300	0.72	0.4	56
SY573P79-5806A	100079000	6.09	5.8	1.05	1.3	150	6	480	1.1	0.68	79

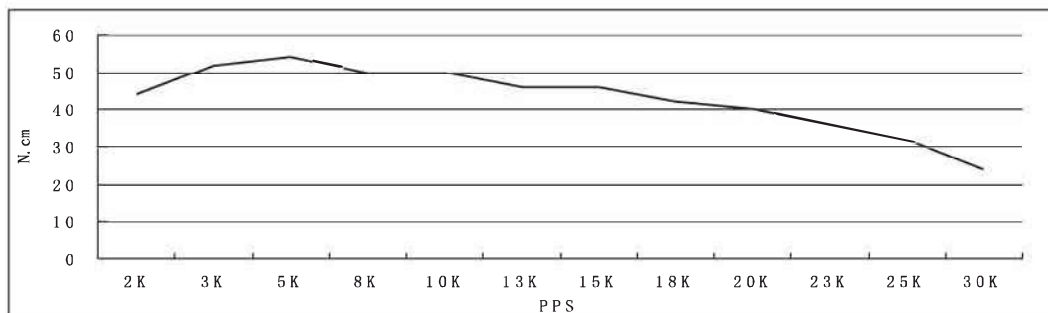
* Dimension



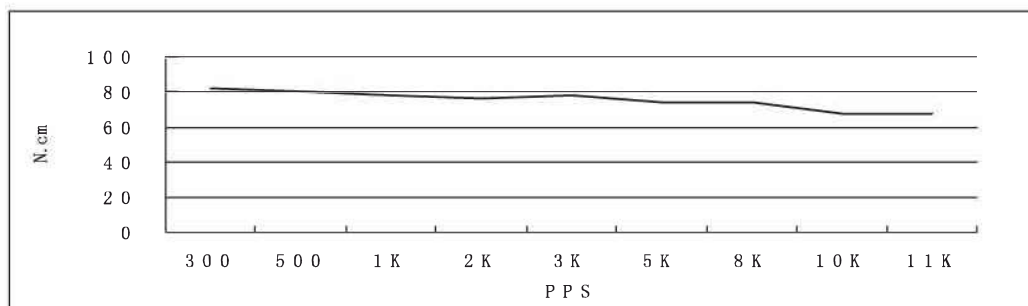
Stepper motor | 57 mm 3 phase hybrid stepper motor

- Pull out torque curve:

SY573P42-5206A Pull out torque curve:
VOLTAGE: 30VDC, CONSTANT CURRENT: 5.2A, HALF STEP



SY573P56-5606A Pull out torque curve:
VOLTAGE: 30VDC, CONSTANT CURRENT: 5.2A, HALF STEP



SY573P79-5806A Pull out torque curve:
VOLTAGE: 30VDC, CONSTANT CURRENT: 5.2A, HALF STEP

