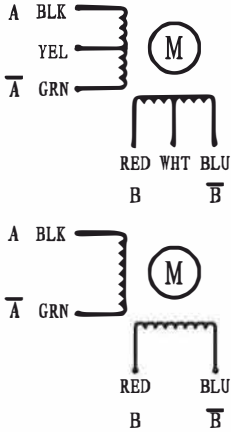


Stepper motor| 28 mm 2 phase hybrid stepper motor

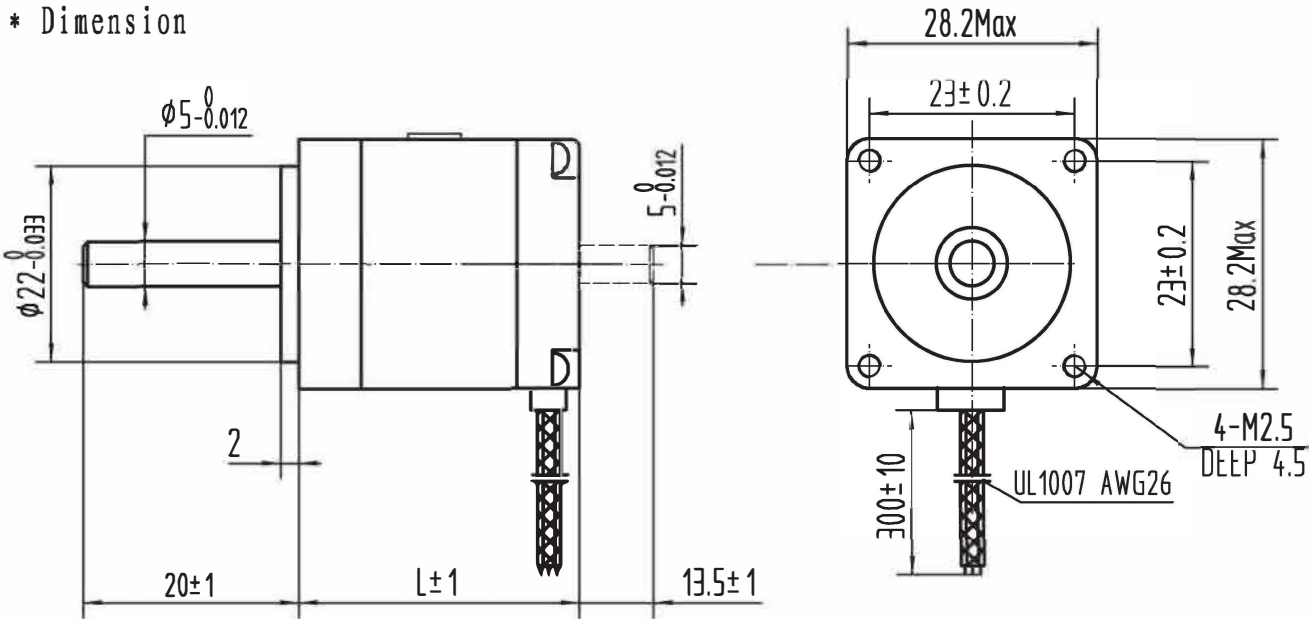
- Step Angle ----- 1.8°
- Step Angle Accuracy ----- ±5% (full step, no load)
- Resistance Accuracy ----- ±10%
- Inductance Accuracy ----- ±20%
- Insulation Resistance ----- 500VDC 100MΩMin
- Dielectric Strength ----- 500VAC 1 minute
- Ambient Temperature ----- -20℃-- +50℃
- Temperature Rise ----- 80℃ Max(rated current)
- Shaft Axial Play ----- 0.08mm Max(450g load)
- Shaft Radial Play ----- 0.02mm Max(450g load)
- Max Axial Force ----- 10N
- Max Radial Force ----- 28N (20mm from the flange)
- Insulation Class ----- B



* Specifications

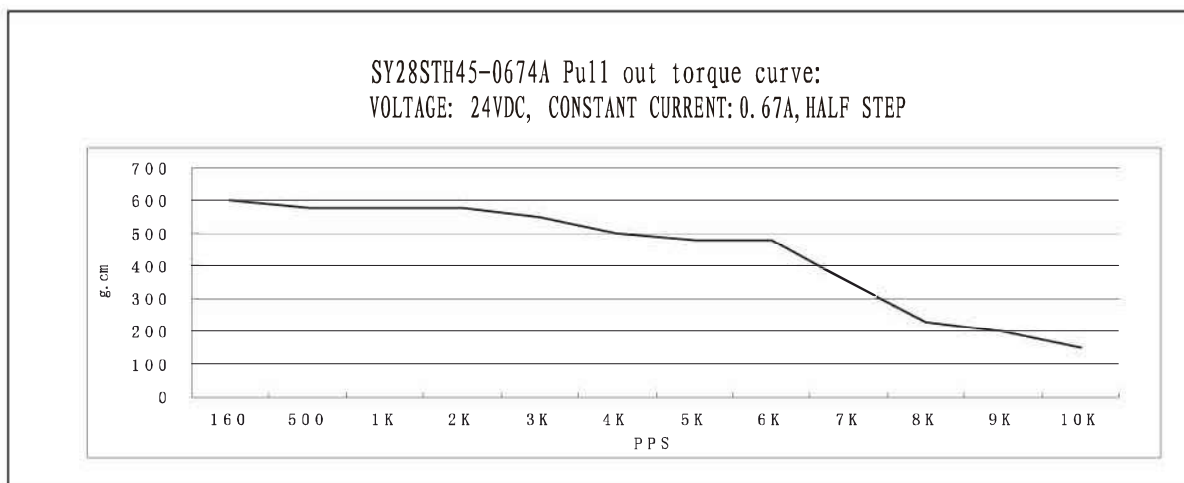
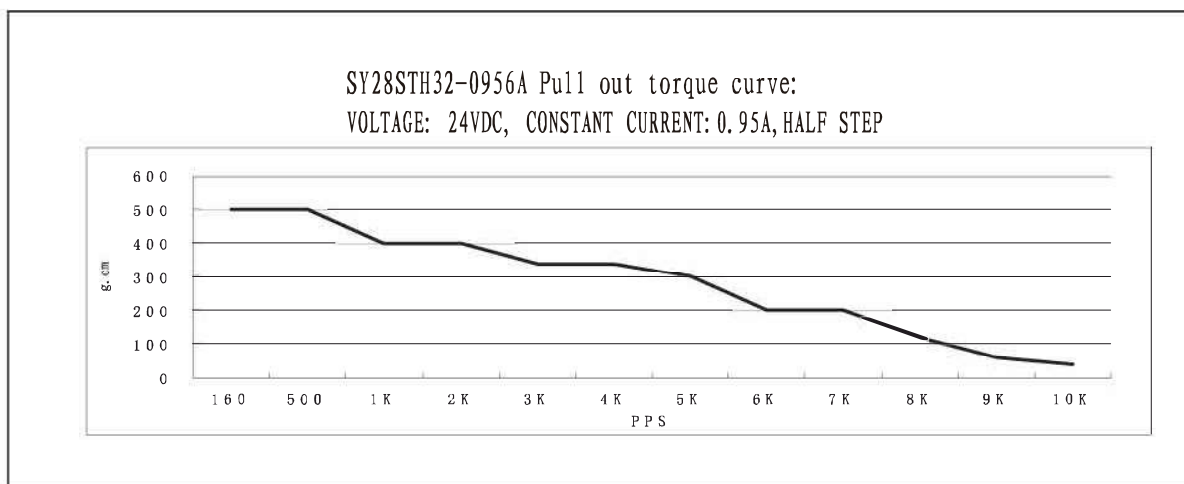
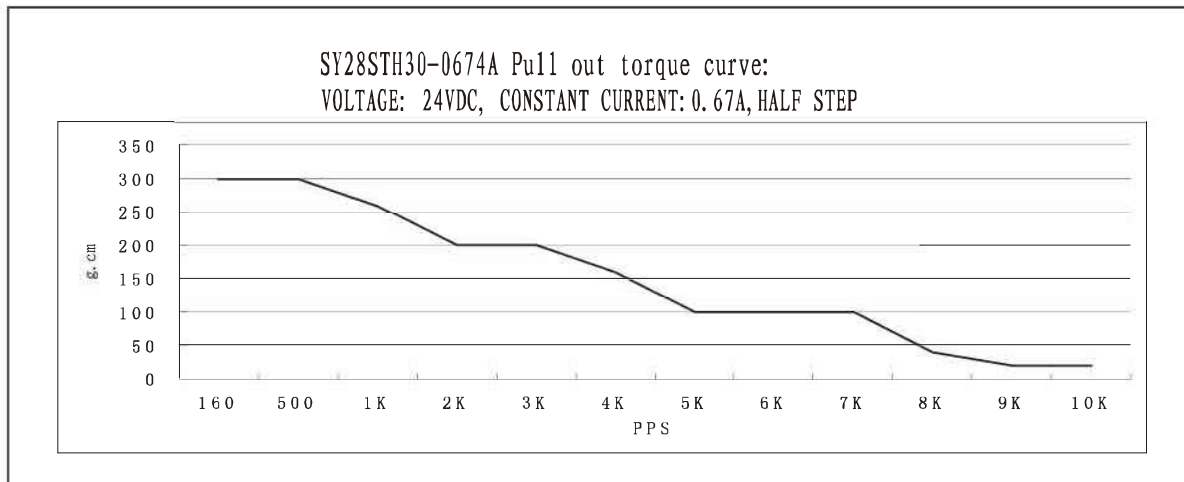
Model	Motor Codes	Voltage /Phase	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	NO. of Leads	Rotor Inertia	Weight	Length
Units		V	A	Ω	mH	g. cm		g. cm ²	Kg	mm
SY28STH32-0956A	020032000	2.75	0.95	2.9	0.9	430	6	9	0.11	31.5
SY28STH32-0674A	020032001	3.88	0.67	5.8	3.2	600	4			
SY28STH45-0956A	020045000	3.4	0.95	3.4	1.2	750	6	12	0.17	44.5
SY28STH45-0674A	020045001	4.56	0.67	6.8	4.9	950	4			
SY28STH51-0956A	020051000	4.4	0.95	4.6	1.8	900	6	18	0.2	50.5
SY28STH51-0674A	020051001	6.2	0.67	9.2	7.2	1200	4			

* Dimension



Stepper motor| 28 mm 2 phase hybrid stepper motor

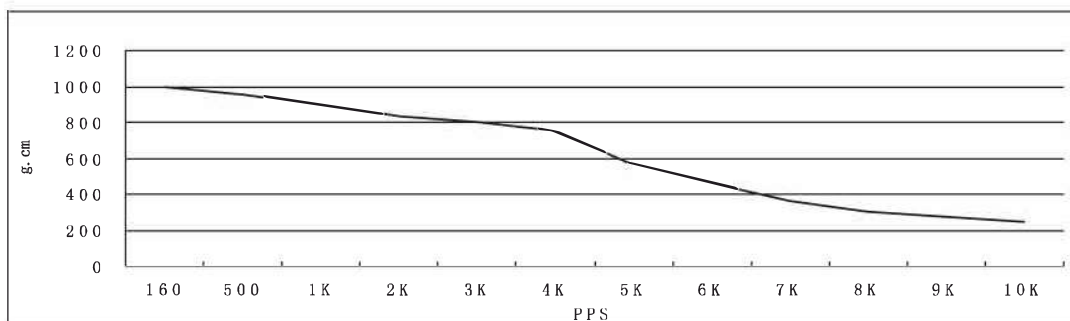
- Pull out torque curve:



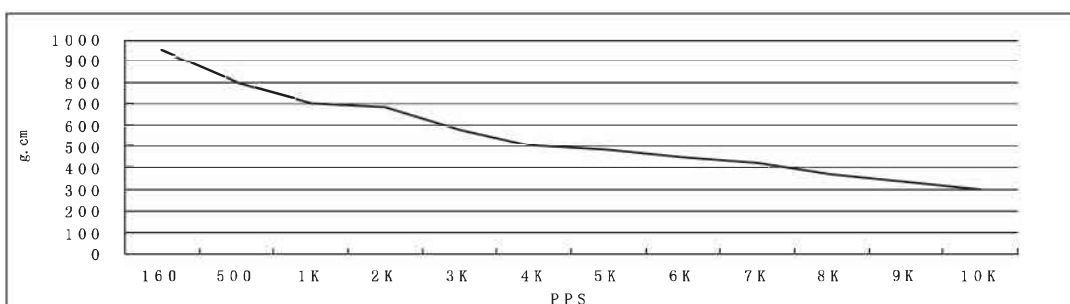
Stepper motor | 28 mm 2 phase hybrid stepper motor

- Pull out torque curve:

SY28STH45-0956A Pull out torque curve:
VOLTAGE: 24VDC, CONSTANT CURRENT: 0.95A, HALF STEP



SY28STH51-0674A Pull out torque curve:
VOLTAGE: 24VDC, CONSTANT CURRENT: 0.67A, HALF STEP



SY28STH51-0956A Pull out torque curve:
VOLTAGE: 24VDC, CONSTANT CURRENT: 0.95A, HALF STEP

