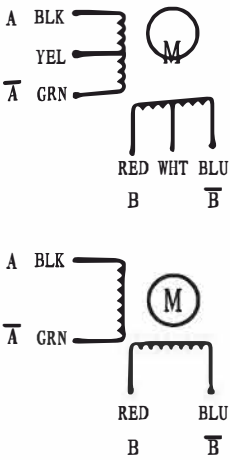
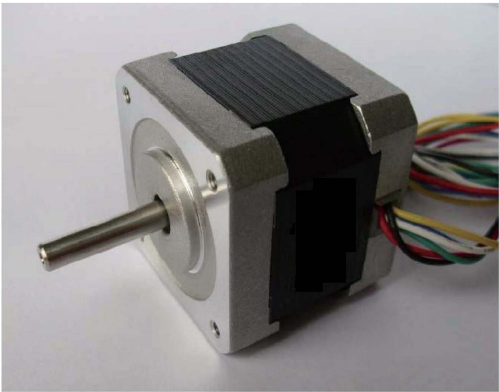


Stepper motor| 42 mm 2 phase hybrid stepper motor

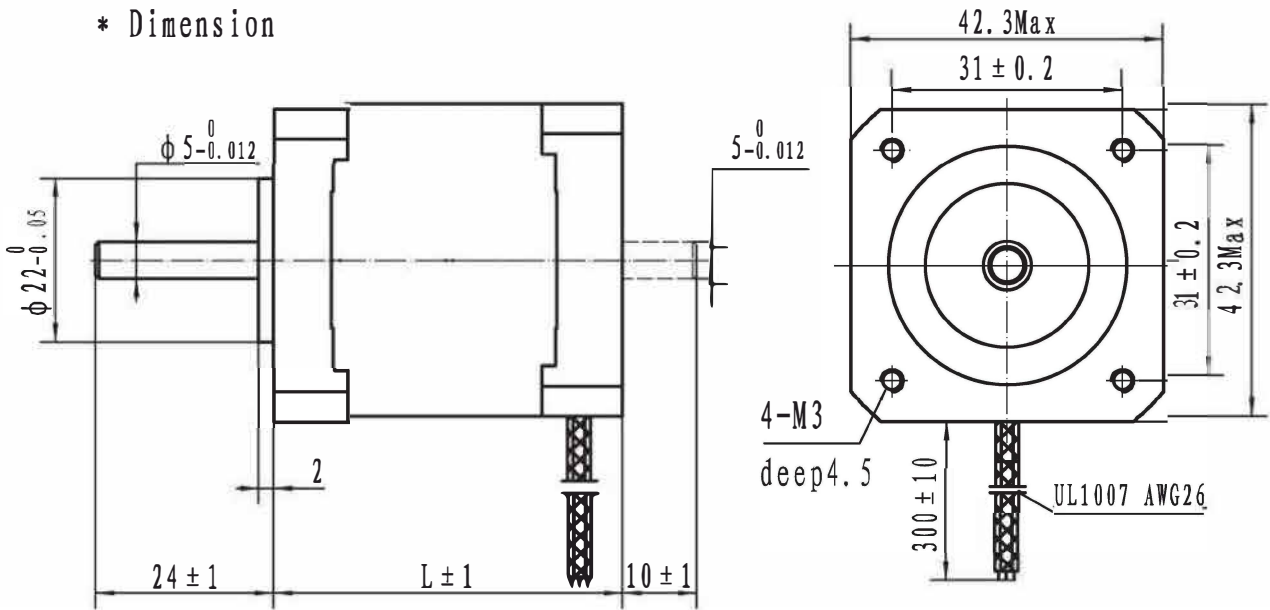
Step Angle	0.9°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Insulation Resistance	500VDC 100MΩMin
Dielectric Strength	500VAC 1 minute
Ambient Temperature	-20℃-- +50℃
Temperature Rise	80℃ Max(rated current)
Shaft Axial Play	0.08mm Max(450g load)
Shaft Radial Play	0.02mm Max(450g load)
Max Axial Force	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	N. cm		g. cm ²	Kg	mm
SY42STH33-0956MA	050033000	4	0.95	4.2	4	15.8	6	35	0.22	33
SY42STH33-1334MA	050033003	2.8	1.33	2.1	4.2	22	4	35	0.22	33
SY42STH38-1206MA	050038000	4	1.2	3.3	3.4	25.9	6	54	0.28	38
SY42STH38-0404MA	050038002	12	0.4	30	30	25.9	4	54	0.28	38
SY42STH47-1206MA	050047000	4	1.2	3.3	4	31.7	6	68	0.35	47
SY42STH47-0406MA	050047002	12	0.4	30	38	31.7	6	68	0.35	47

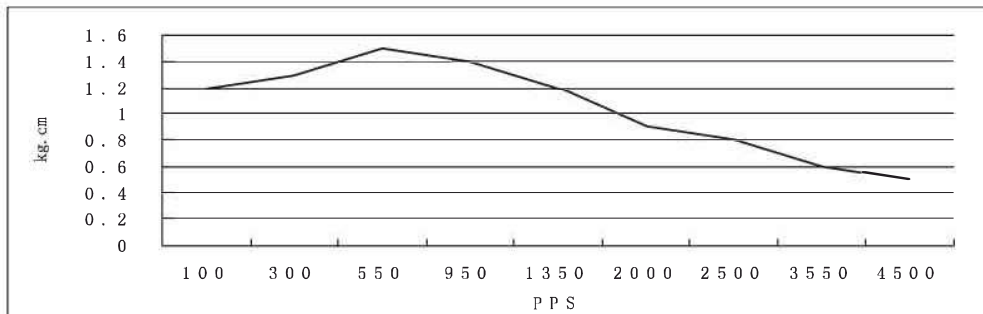
* Dimension



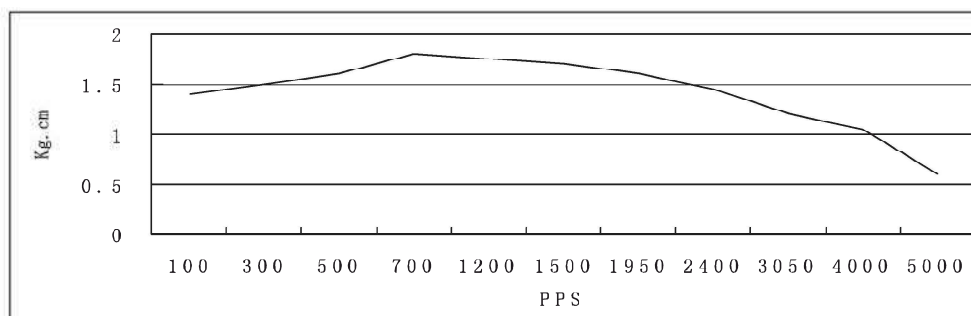
Stepper motor | 42 mm 2 phase hybrid stepper motor

- Pull out torque curve:

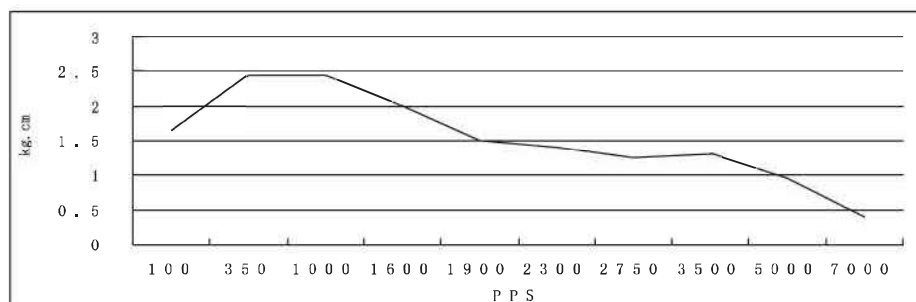
SY42STH33-0956MA Pull out torque curve:
VOLTAGE: 24VDC, CONSTANT CURRENT: 0.9A, HALF STEP



SY42STH33-1334MA Pull out torque curve:
VOLTAGE: 24VDC, CONSTANT CURRENT: 1.33A, HALF STEP

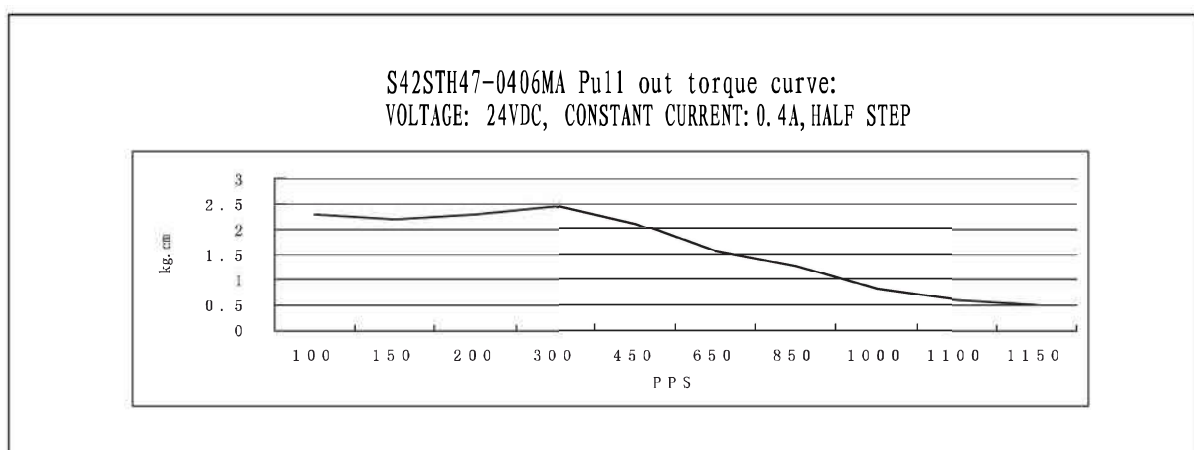
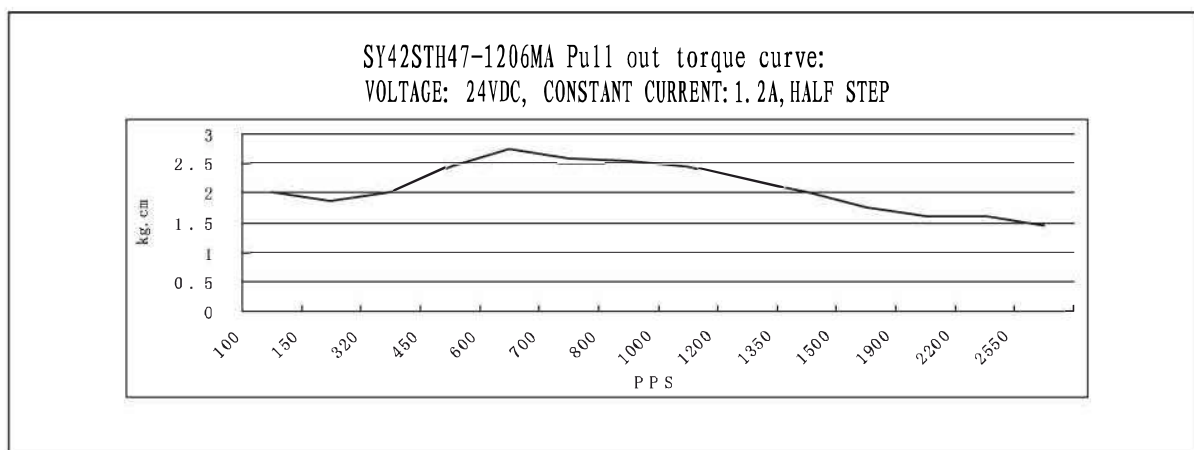
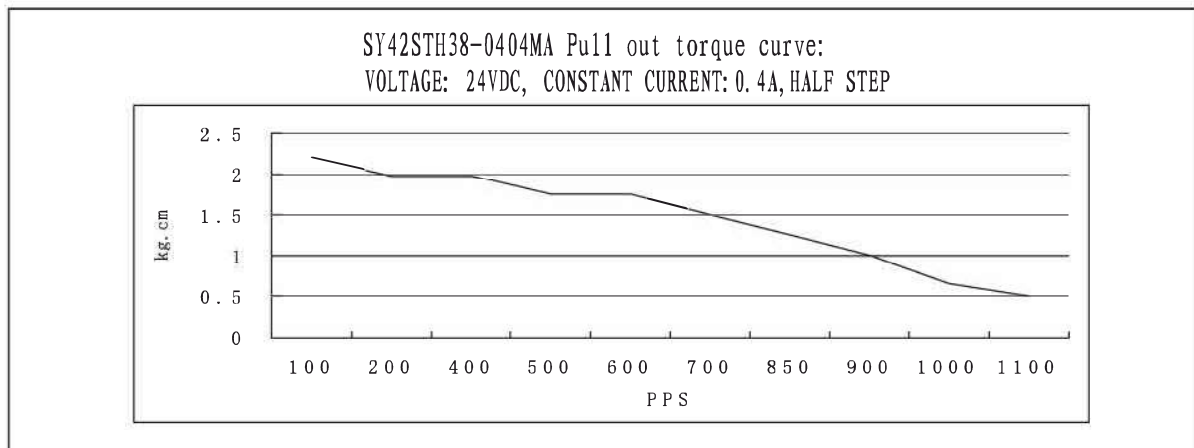


SY42STH38-1206MA Pull out torque curve:
VOLTAGE: 24VDC, CONSTANT CURRENT: 1.2A, HALF STEP



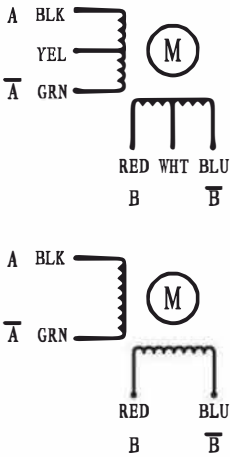
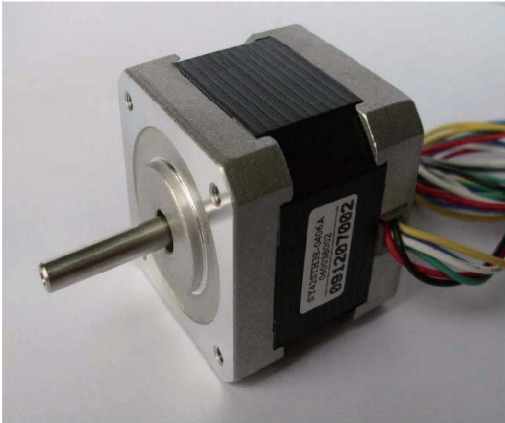
Stepper motor | 42 mm 2 phase hybrid stepper motor

- Pull out torque curve:



Stepper motor | 42 mm 2 phase hybrid stepper motor

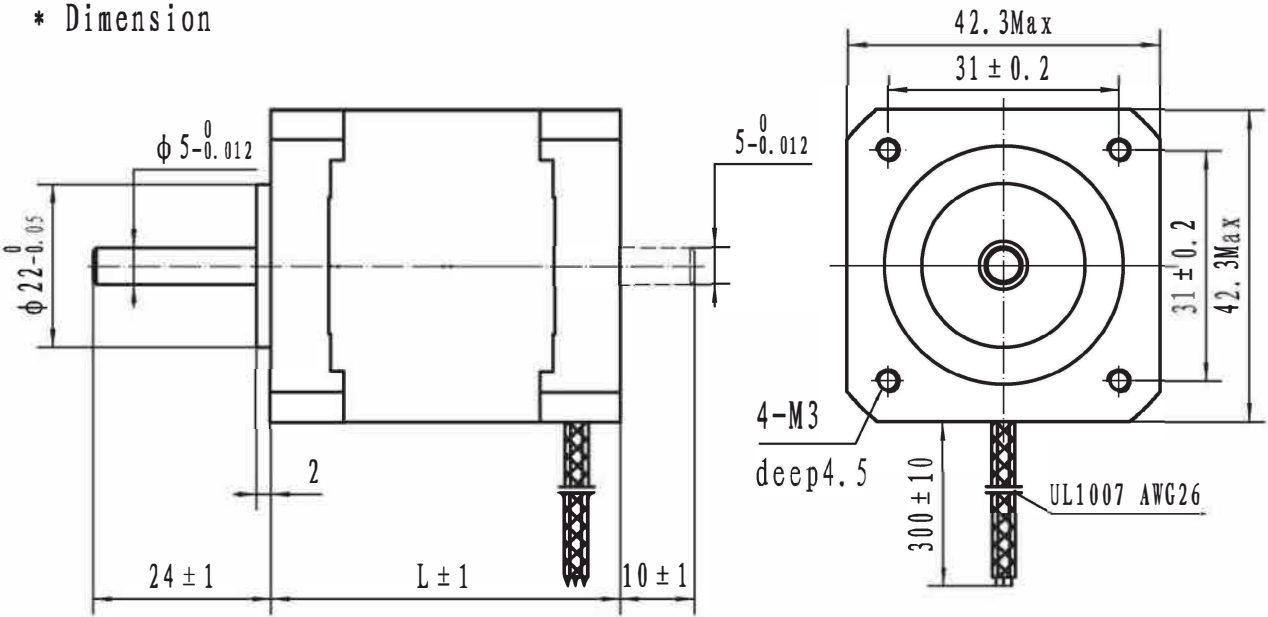
Step Angle	1.8°
Step Angle Accuracy	± 5% (full step, no load)
Resistance Accuracy	± 10%
Inductance Accuracy	± 20%
Insulation Resistance	500VDC 100MΩMin
Dielectric Strength	500VAC 1 minute
Ambient Temperature	-20℃-- +50℃
Temperature Rise	80℃ Max (rated current)
Shaft Axial Play	0.08mm Max (450g load)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



* Specifications

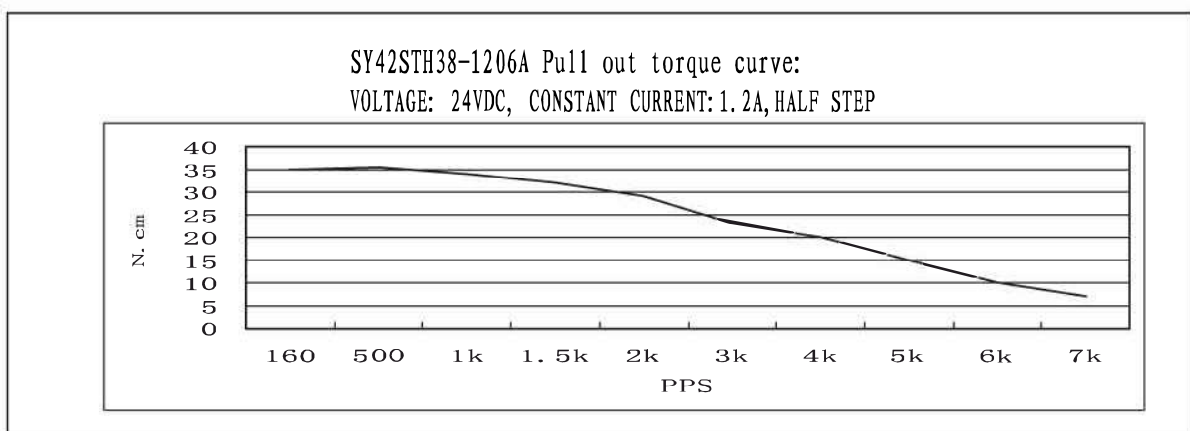
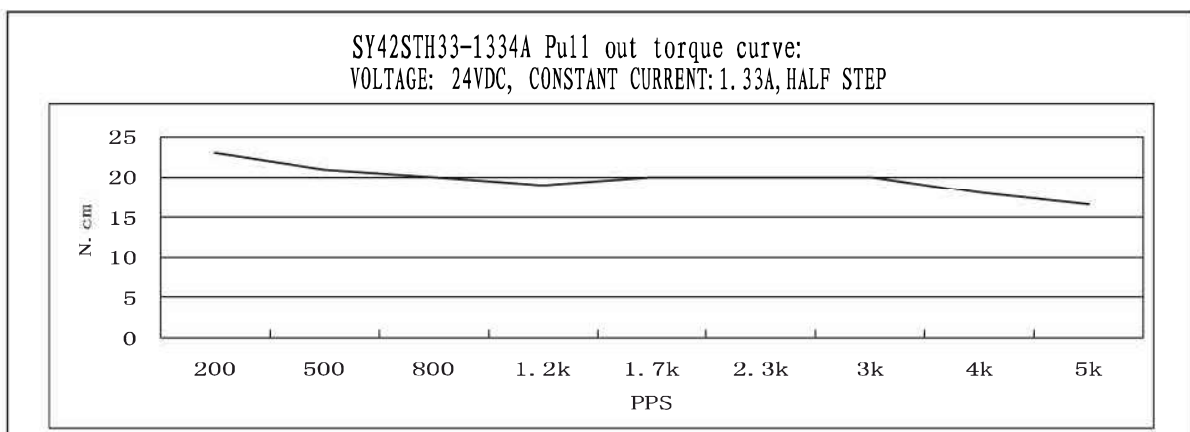
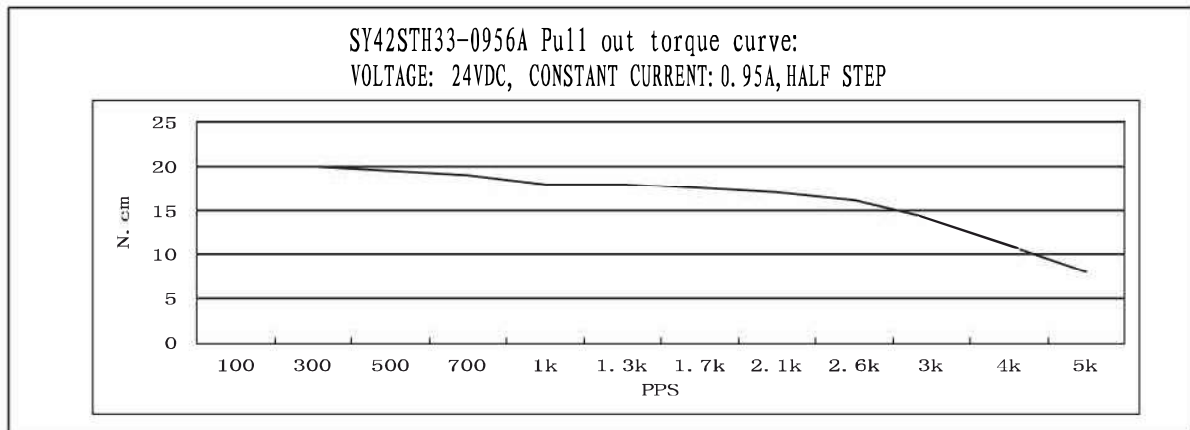
Model	Motor Codes	Voltage /Phase	Current /Phase	Resistance/ Phase	Inductance /Phase	Holding Torque	NO. of Leads	Rotor Inertia	Weight	Length
Units		V	A	Ω	mH	N. cm		g. cm ²	Kg	mm
SY42STH33-0956A	060033000	4	0.95	4.2	2.5	16	6	35	0.22	33
SY42STH33-1334A	060033003	2.8	1.33	2.1	2.5	22	4	35	0.22	33
SY42STH38-1206A	060038000	4	1.2	3.3	3.2	26	6	54	0.28	38
SY42STH38-1684A	060038003	2.8	1.68	1.65	3.2	36	4	54	0.28	38
SY42STH47-1206A	060047000	4	1.2	3.3	2.8	31.7	6	68	0.35	47
SY42STH47-1684A	060047003	2.8	1.68	1.65	2.8	44	4	68	0.35	47

* Dimension



Stepper motor | 42 mm 2 phase hybrid stepper motor

● Pull out torque curve:



Stepper motor | 42 mm 2 phase hybrid stepper motor

● Pull out torque curve:

