



5-Phase Hybrid Stepping Motors 110 Series

High Torque/Volume Ratio, Low Resonance



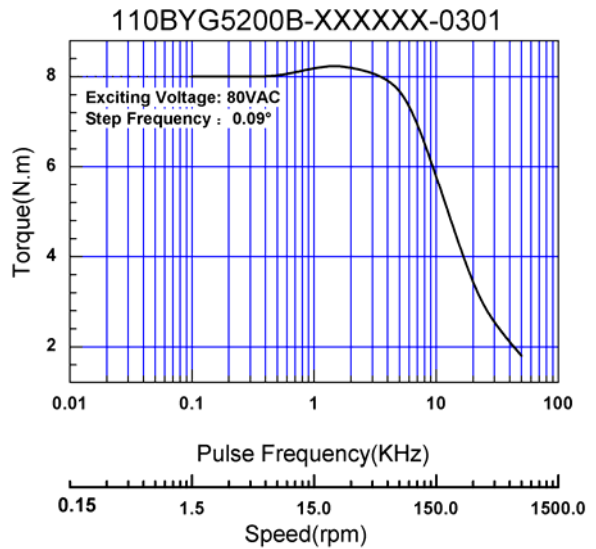
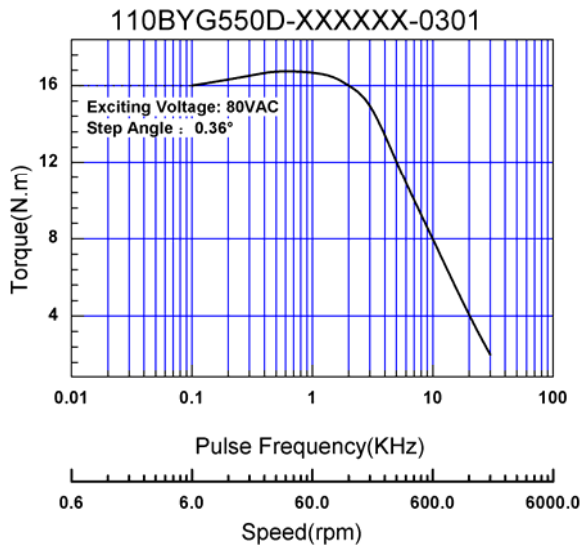
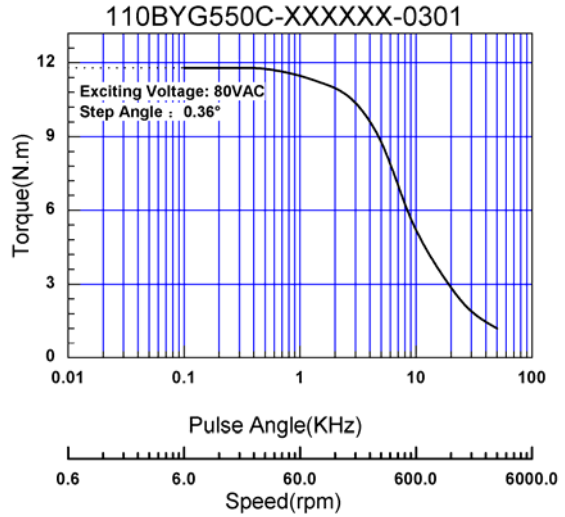
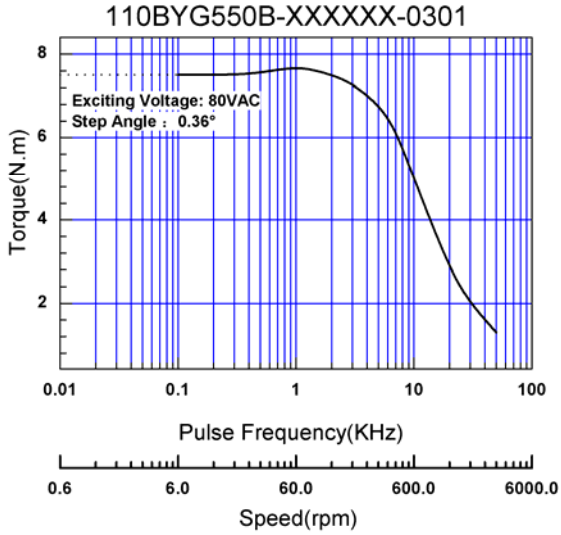
Insulation Resistance:	500VDC 100MΩ Min
Shaft Axial Play:	0.1~0.3mm
Shaft Radial Play:	0.02mm Max
Temperature Rise:	65K Max
Dielectric Strength:	1000VAC 1Minute
Ambient Temperature:	-20℃ ~ +50℃
Class of Insulation:	B

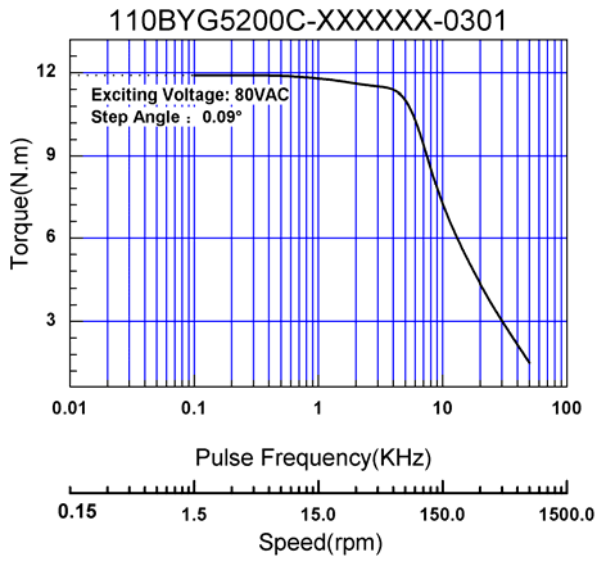
Electrical Ratings

Items	Module	Phase	Step Angle (°)	Phase Current (A)	Phase Resistance (Ω)	Phase Inductance (mH)	Holding Torque (Nm)	Detent Torque (Nm)	No Load Starting Frequency at Half Step Mode (KHz)	Weight (kg)	Rotor Inertia (gcm ²)	Connection Diagram	Dimensions
000511	110BYG550B-SAKRMA-0301	5	0.36/0.72	3	0.7	10.0	8	0.5	3.5	6.4	9700	a	1
000510	110BYG550B-SAKRMT-0301	5	0.36/0.72	3	0.7	10.0	8	0.5	3.5	6.4	9700	b	2
000520	110BYG550B-BAKRMT-0301	5	0.36/0.72	3	0.7	10.0	8	0.5	3.5	6.4	9700	b	3
000590	110BYG550C-SAKRMA-0301	5	0.36/0.72	3	1.0	15.0	14	0.6	2.5	8.4	14600	a	1
000550	110BYG550C-SAKRMT-0301	5	0.36/0.72	3	1.0	15.0	14	0.6	2.5	8.4	14600	b	2
000560	110BYG550C-BAKRMT-0301	5	0.36/0.72	3	1.0	15.0	14	0.6	2.5	8.4	14600	b	3
000601	110BYG550D-SAKRMA-0301	5	0.36/0.72	3	1.3	20.0	18	0.7	2.5	10.4	19500	a	1
000600	110BYG550D-SAKRMT-0301	5	0.36/0.72	3	1.3	20.0	18	0.7	2.5	10.4	19500	b	2
000610	110BYG550D-BAKRMT-0301	5	0.36/0.72	3	1.3	20.0	18	0.7	2.5	10.4	19500	b	3
000640	110BYG5200B-SAKRMT-0301	5	0.09/0.18	3	0.7	10.0	10	0.6	5.0	6.4	10000	b	2
000660	110BYG5200C-SAKRMT-0301	5	0.09/0.18	3	1.0	15.0	14	0.7	5.0	8.4	15000	b	2

Notes: The exciting voltage for testing the no load starting frequency is 70VDC.

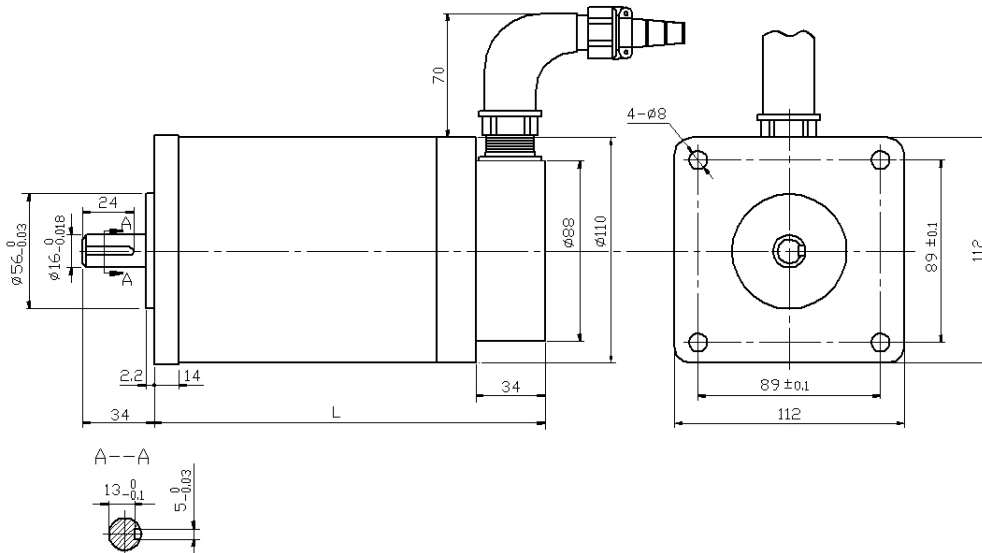
Pullout torque Speed Curves





Dimensions [Unit: mm]

Diagram 1 110BYG550x – SAKRMA – 0301



	110BYG550B-SAKRMA	110BYG550C-SAKRMA	110BYG550D-SAKRMA
L	165	205	245

Diagram 2 110BYG5xxx – SAKRMT – 0301

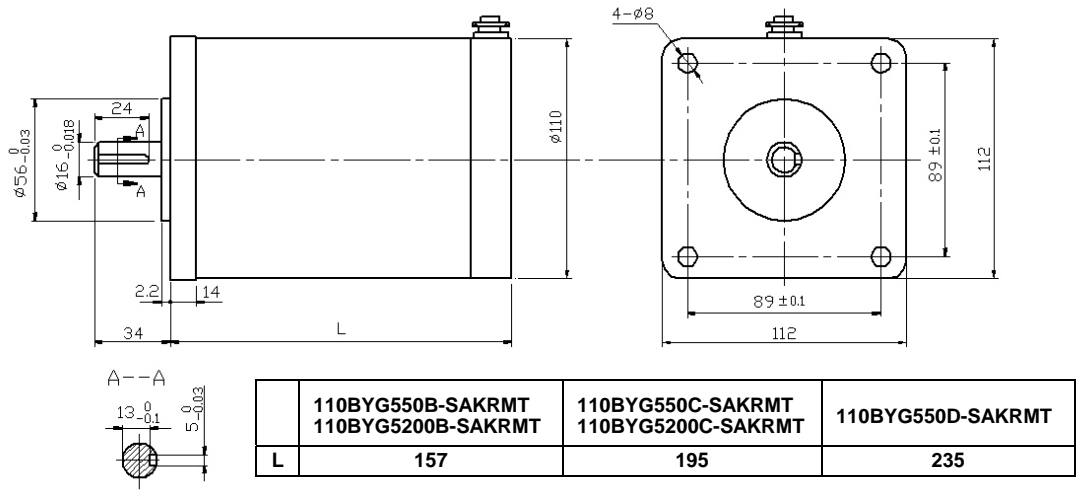
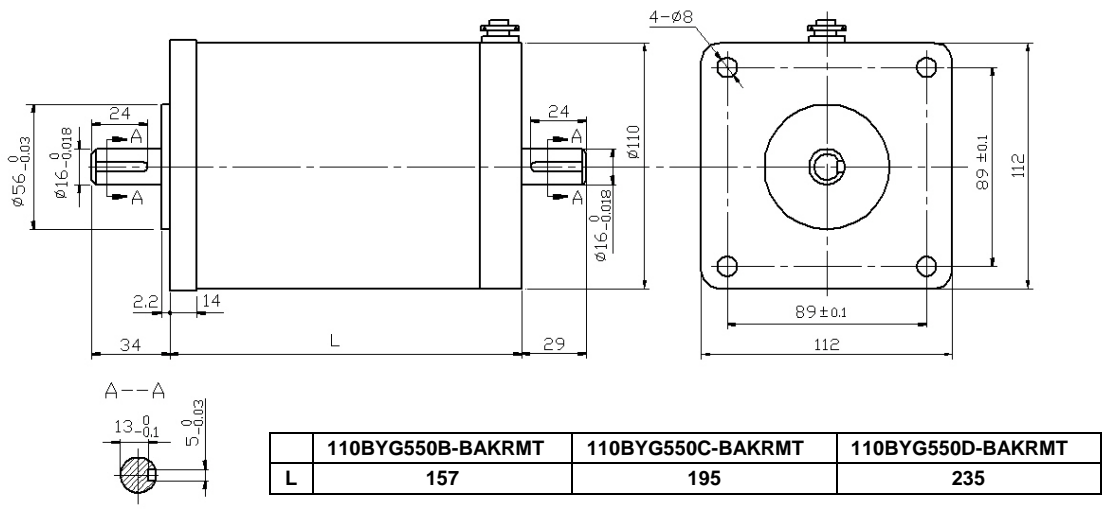
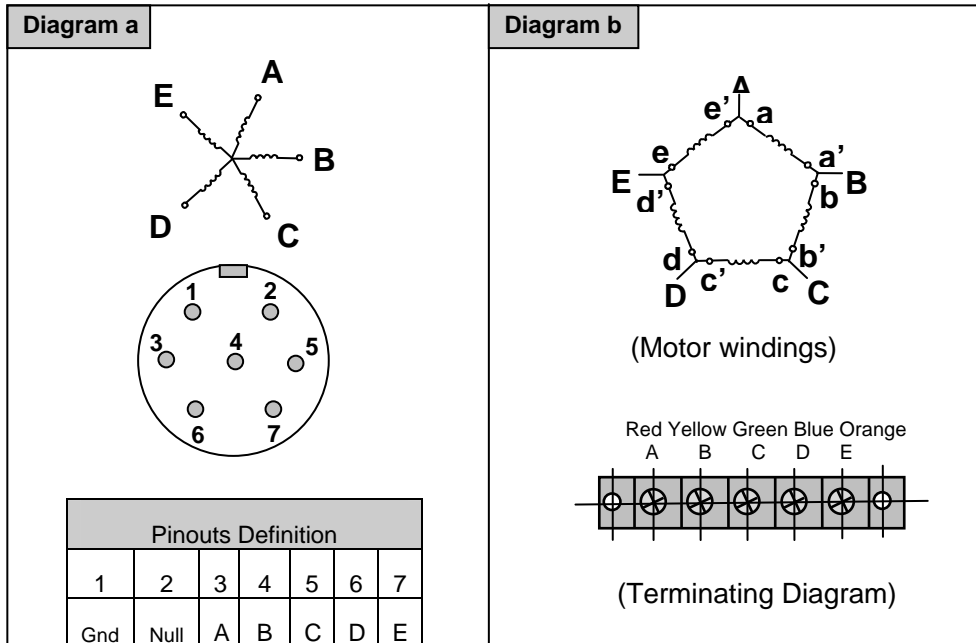


Diagram 3 110BYG550x – BAKRMT – 0301



Wiring Diagrams



⚠ Cautions:

1. Flange mounting is mandatory for concentricity.
2. Hazard will happen for wrong connection.