



ø106 mm

1.8°/step **RoHS**

Bipolar winding, Lead wire type CE model



Customizing

Hollow **Shaft modification**

Varies depending on the model number and quantity. Contact us for details.

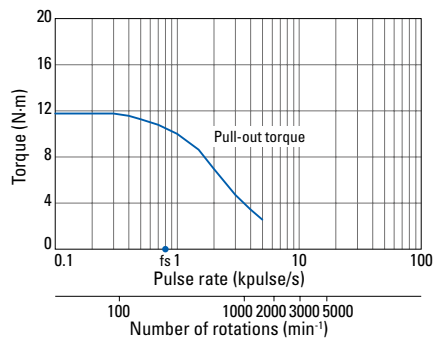
Bipolar winding, Lead wire type CE model

Model no.		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)
Single shaft	Dual shaft	N·m min.	A/phase	Ω/phase	mH/phase	×10 ⁻⁴ kg·m ²	kg	mm
103H89222-6341	103H89222-6311	13.2	6	0.45	5.4	14.6	7.5	163.3
103H89223-6341	103H89223-6311	19	6	0.63	8	22	10.5	221.3

Characteristics diagram

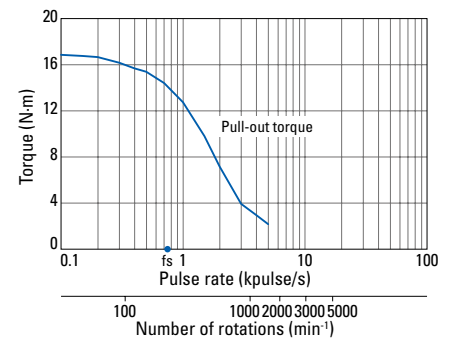
103H89222-6341 103H89222-6311

Constant current circuit
Source voltage: 100 VAC
Operating current:
6 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=44 \times 10^{-4} \text{ kg} \cdot \text{m}^2$ (use the
rubber coupling)
fs: Maximum self-start
frequency when not
loaded

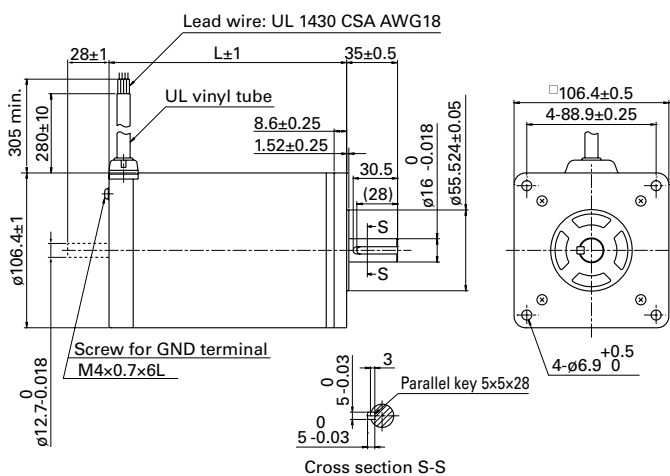


103H89223-6341 103H89223-6311

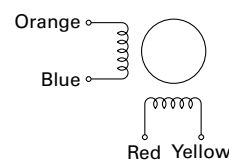
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Dimensions (Unit: mm)



Internal wiring

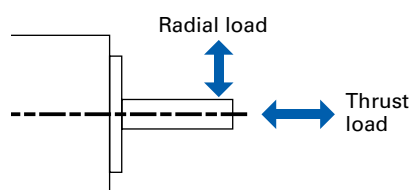


Compatible drivers

Driver is not included.

If you require assistance finding a driver, contact us for details.

Allowable Radial/Thrust Load



Motor size	Model no.	Distance from end of shaft: mm				Thrust load N
		0	5	10	15	
		Radial load: N				
14 mm sq.	SH214 □	10	11	13	—	0.7
28 mm sq.	SH228 □	42	48	56	66	3
35 mm sq.	SH353 □	40	50	67	98	10
42 mm sq.	SF242 □	20	29	49	68	10
	SH142 □	22	26	33	46	
	SS242 □	10	—	—	—	4.9
50 mm sq.	103H670 □	71	87	115	167	15
	SS250 □	8.5	—	—	—	4.9
56 mm sq.	103H712 □	52	65	85	123	15
	103H7128	85	105	138	200	15
60 mm sq.	103H782 □	70	87	114	165	20
	SH160 □					15
86 mm sq.	SM286 □	167	193	229	280	60
	SH286 □					
°86 mm	103H822 □	191	234	301	421	60
°106 mm	103H8922 □	321	356	401	457	100