



# ∅86 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.

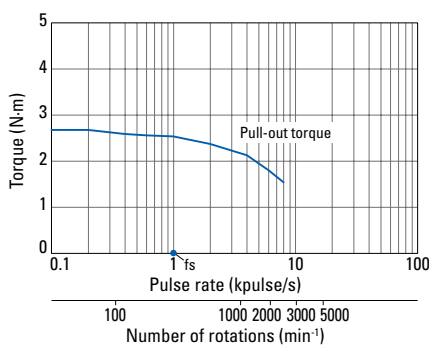
### Bipolar winding, Lead wire type CE model

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 <sup>-4</sup> kg·m <sup>2</sup>	kg	mm
<b>103H8221-6240</b>	<b>103H8221-6210</b>	2.74	6	0.3	1.65	1.45	1.5	62
<b>103H8222-6340</b>	<b>103H8222-6310</b>	5.09	6	0.35	2.7	2.9	2.5	92.2
<b>103H8223-6340</b>	<b>103H8223-6310</b>	7.44	6	0.45	3.4	4.4	3.5	125.9

### Characteristics diagram

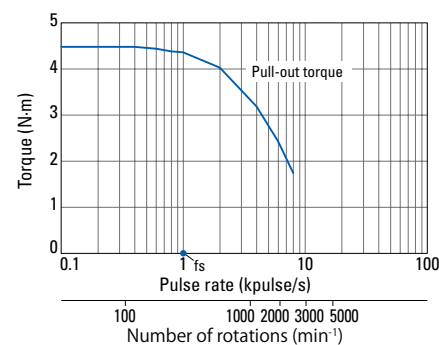
#### 103H8221-6240 103H8221-6210

Constant current circuit  
Source voltage: 100 VAC  
Operating current:  
6 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_L=7.4 \times 10^{-4} \text{kg} \cdot \text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



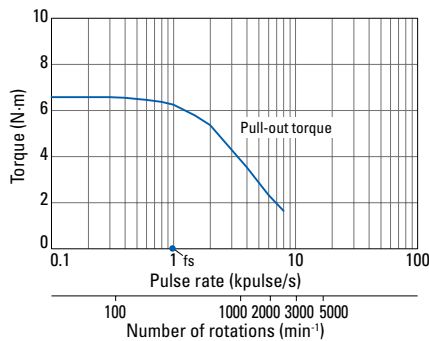
#### 103H8222-6340 103H8222-6310

Constant current circuit  
Source voltage: 100 VAC  
Operating current:  
6 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_L=15.3 \times 10^{-4} \text{kg} \cdot \text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded

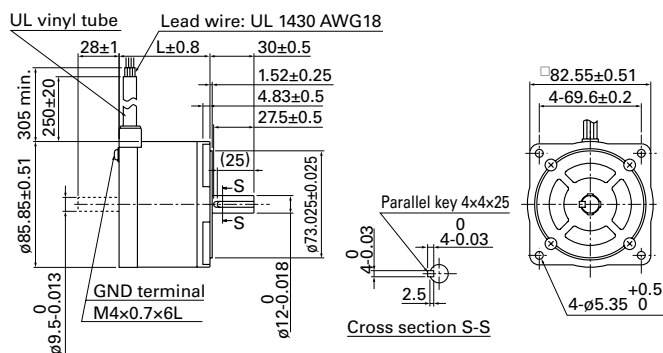


#### 103H8223-6340 103H8223-6310

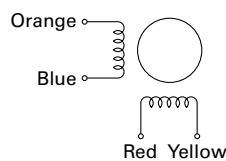
Constant current circuit  
Source voltage: 100 VAC  
Operating current:  
6 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_L=44 \times 10^{-4} \text{kg} \cdot \text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



### Dimensions (Unit: mm)



### Internal wiring



### Compatible drivers

Driver is not included.  
If you require assistance  
finding a driver, contact us for  
details.