



## 56 mm sq.

1.8°/step RoHS

Bipolar winding, Lead wire type  
Unipolar winding, Lead wire type ▶ p. 52

### Customizing

Hollow Shaft modification  
Decelerator Encoder

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

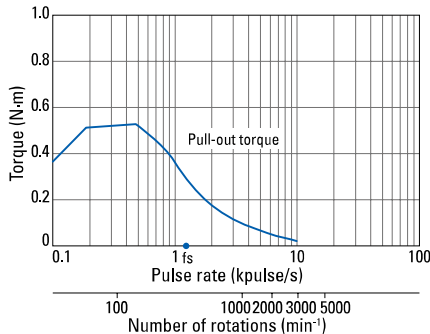
### Bipolar winding, Lead wire type

Model no.		Holding torque at 2-phase energization N·m min.	Rated current A/phase	Wiring resistance Ω/phase	Winding inductance mH/phase	Rotor inertia ×10 <sup>-4</sup> kg·m <sup>2</sup>	Mass kg	Motor length (L) mm	Shaft diameter (D) mm	Dcut thickness (T) mm
Single shaft	Dual shaft									
103H7121-5640	103H7121-5610	0.55	1	4.3	14.5	0.1	0.47	41.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7121-5740	103H7121-5710	0.55	2	1.1	3.7	0.1	0.47	41.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7121-5840	103H7121-5810	0.55	3	0.54	1.74	0.1	0.47	41.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7123-5640	103H7123-5610	1.0	1	5.7	29.4	0.21	0.65	53.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7123-5740	103H7123-5710	1.0	2	1.5	7.5	0.21	0.65	53.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7123-5840	103H7123-5810	1.0	3	0.7	3.5	0.21	0.65	53.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7126-5640	103H7126-5610	1.6	1	7.7	34.6	0.36	0.98	75.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7126-5740	103H7126-5710	1.6	2	2	9.1	0.36	0.98	75.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7126-5840	103H7126-5810	1.6	3	0.94	4	0.36	0.98	75.8	ø6.35-0.013 <sup>0</sup>	5.8
103H7128-5640	103H7128-5610	2.0	1	8.9	40.1	0.49	1.3	94.8	ø8-0.015 <sup>0</sup>	7.5
103H7128-5740	103H7128-5710	2.0	2	2.3	10.4	0.49	1.3	94.8	ø8-0.015 <sup>0</sup>	7.5
103H7128-5840	103H7128-5810	2.0	3	1.03	4.3	0.49	1.3	94.8	ø8-0.015 <sup>0</sup>	7.5

### Characteristics diagram

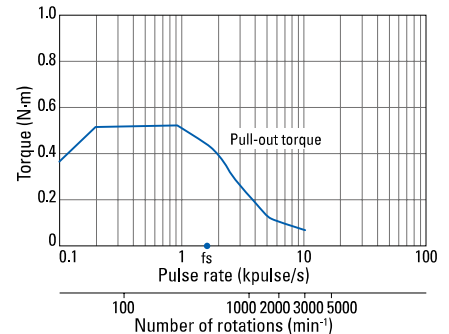
#### 103H7121-5640 103H7121-5610

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
1 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_s=0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



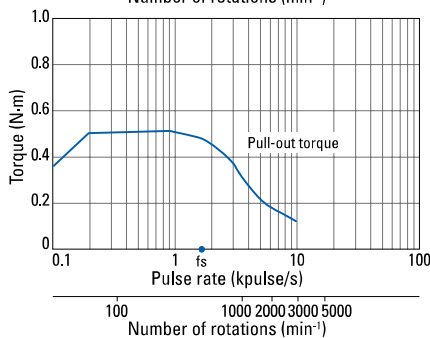
#### 103H7121-5740 103H7121-5710

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
2 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_s=0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



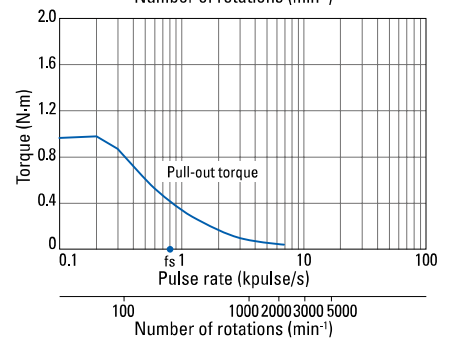
#### 103H7121-5840 103H7121-5810

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
3 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_s=0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



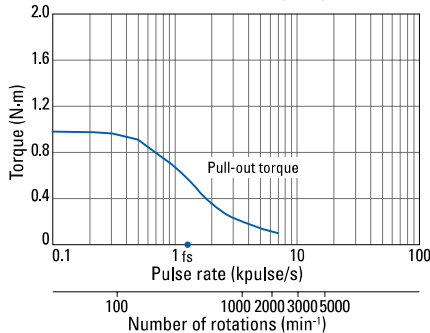
#### 103H7123-5640 103H7123-5610

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
1 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_s=2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



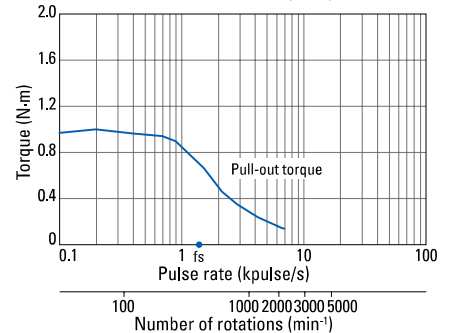
#### 103H7123-5740 103H7123-5710

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
2 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_s=2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



#### 103H7123-5840 103H7123-5810

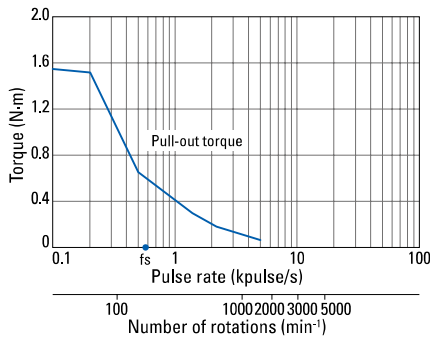
Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
3 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_s=2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



## Characteristics diagram

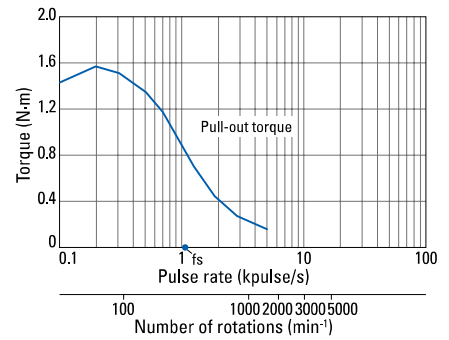
### 103H7126-5640 103H7126-5610

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
1 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_i=2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



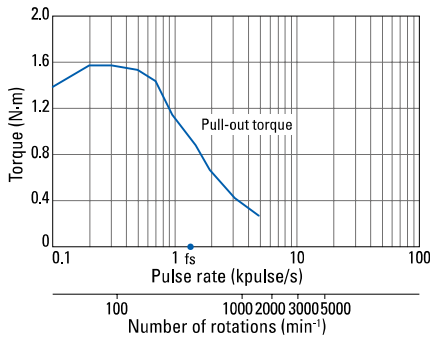
### 103H7126-5740 103H7126-5710

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
2 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_i=2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



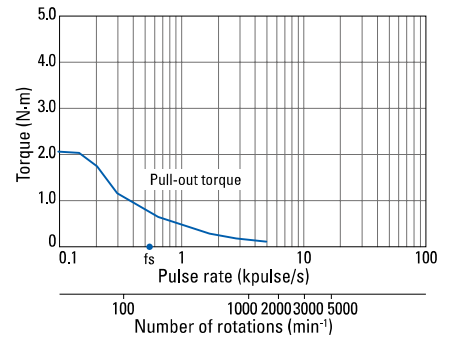
### 103H7126-5840 103H7126-5810

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
3 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_i=2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



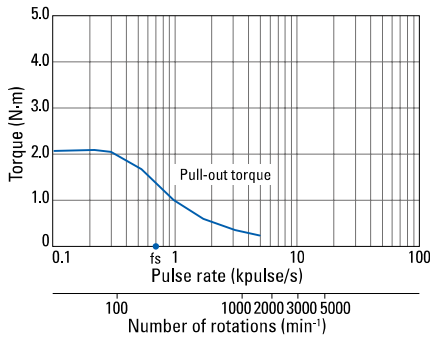
### 103H7128-5640 103H7128-5610

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
1 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_i=7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



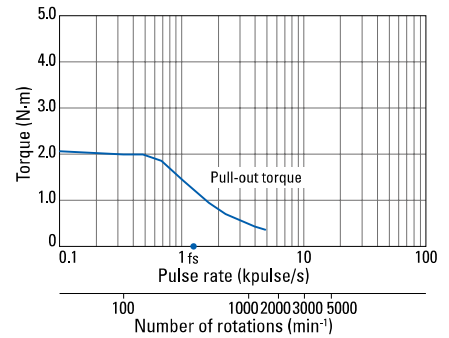
### 103H7128-5740 103H7128-5710

Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
2 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_i=7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded

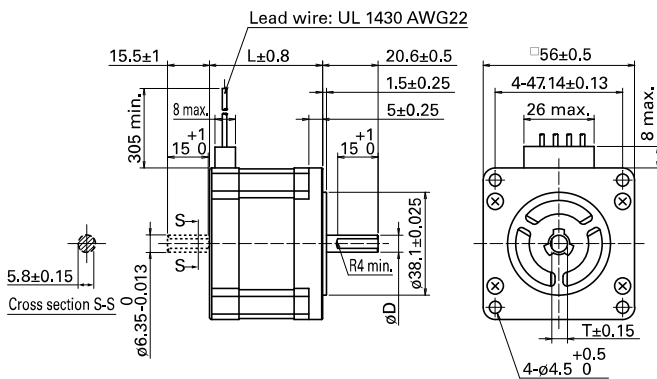


### 103H7128-5840 103H7128-5810

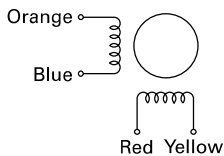
Constant current circuit  
Source voltage: 24 VDC  
Operating current:  
3 A/phase, 2-phase  
energization (full-step)  
Pull-out torque:  
 $J_i=7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2$  (use the  
rubber coupling)  
fs: Maximum self-start  
frequency when not  
loaded



## Dimensions (Unit: mm)



## Internal wiring



## Compatible drivers

- For Motor model no. 103H7121-57 □ 0 (2 A/phase), 103H7123-57 □ 0 (2 A/phase), 103H7126-57 □ 0 (2 A/phase)  
Model no.: BS1D200P10 (DC input)  
Operating current select switch setting: 0
- Driver is not included for other motor model nos.  
If you require assistance finding a driver, contact us for details.