

56 mm sq.

1.8°/step **RoHS**

Unipolar, lead-type, CE/UKCA models



Custom options

Hollow shaft Custom shaft

Note: Customization feasibility depends on the model number and quantity. Contact us for details.

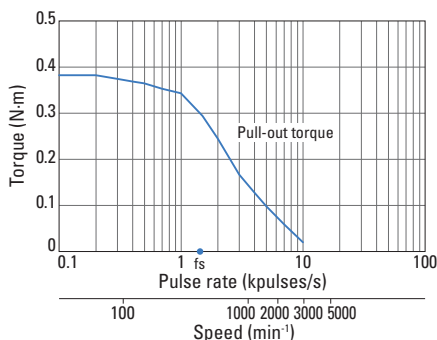
Unipolar, lead-type, CE/UKCA models

Model no.		Holding torque at 2-phase excitation	Rated current	Winding resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)
Single shaft	Dual shaft	N·m or more	A/phase	Ω/phase	mH/phase	×10 ⁻⁴ kg·m ²	kg	mm
103H7121-6140	103H7121-6110	0.39	1	4.8	8	0.1	0.47	41.8
103H7121-6740	103H7121-6710	0.39	3	0.6	0.8	0.1	0.47	41.8
103H7123-6140	103H7123-6110	0.83	1	6.7	15	0.21	0.65	53.8
103H7123-6740	103H7123-6710	0.78	3	0.77	1.58	0.21	0.65	53.8
103H7126-6140	103H7126-6110	1.27	1	8.6	19	0.36	0.98	75.8
103H7126-6740	103H7126-6710	1.27	3	0.9	2.2	0.36	0.98	75.8

Characteristics

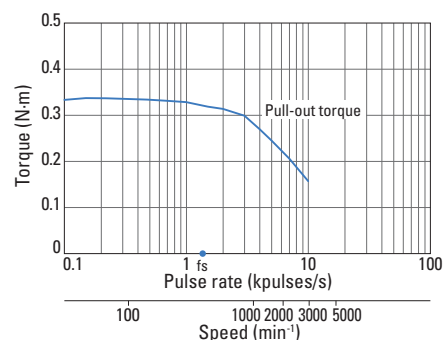
103H7121-6140 103H7121-6110

Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



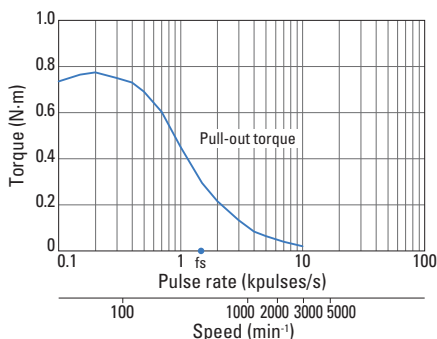
103H7121-6740 103H7121-6710

Constant current circuit
Input voltage: 24 VDC
Winding current:
3 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



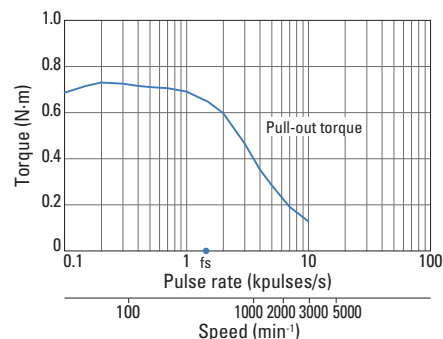
103H7123-6140 103H7123-6110

Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



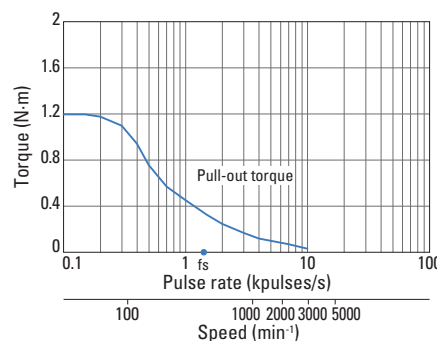
103H7123-6740 103H7123-6710

Constant current circuit
Input voltage: 24 VDC
Winding current:
3 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



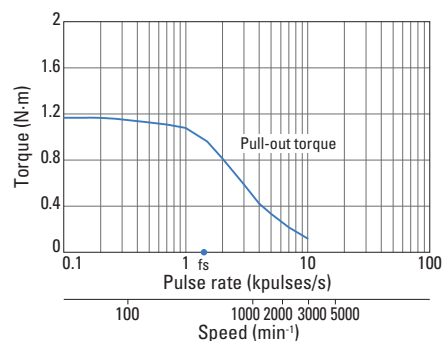
103H7126-6140 103H7126-6110

Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load

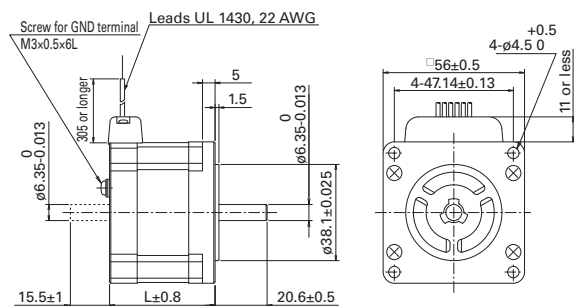


103H7126-6740 103H7126-6710

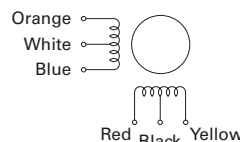
Constant current circuit
Input voltage: 24 VDC
Winding current:
3 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal winding



Compatible drivers

- For motors 103H712 □-61 □ 0 (1 A/phase)...
Model no.: US1D20P10 (DC input)
Operating current selection switch setting: A
 - For motors other than above...
A driver is to be provided by the customer.
- Note: The characteristics shown above are calculated using our experimental circuit.

Allowable loads... ▶ p. 69 Internal wiring and rotational directions... ▶ p. 70
General specifications... ▶ p. 71

Data is measured under the drive conditions of SANYO DENKI. Drive torque may vary depending on the actual machine precision.