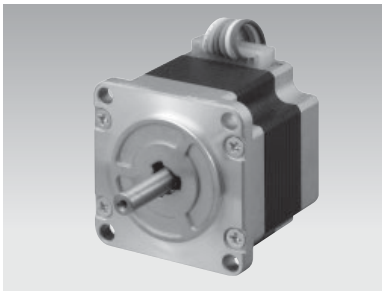


50 mm sq.

1.8°/step RoHS

Unipolar, lead type

Bipolar, lead type ▶p. 48

Custom options

Hollow shaft | Custom shaft | Encoder

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

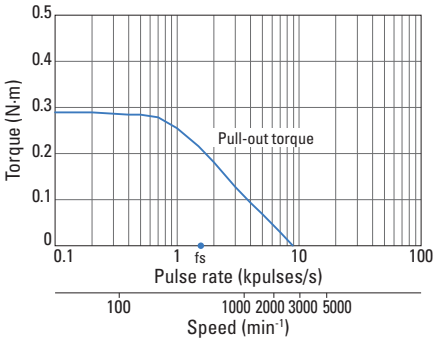
Unipolar, lead type

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	×10⁻⁴kg·m²	kg	mm
103H6701-0140	103H6701-0110	0.28	1	4.3	6.8	0.057	0.35	39.8
103H6701-0440	103H6701-0410	0.28	2	1.1	1.6	0.057	0.35	39.8
103H6701-0740	103H6701-0710	0.28	3	0.6	0.7	0.057	0.35	39.8
103H6703-0140	103H6703-0110	0.49	1	6	13	0.118	0.5	51.3
103H6703-0440	103H6703-0410	0.49	2	1.6	3.2	0.118	0.5	51.3
103H6703-0740	103H6703-0710	0.49	3	0.83	1.4	0.118	0.5	51.3
103H6704-0140	103H6704-0110	0.52	1	6.5	16.5	0.14	0.55	55.8
103H6704-0440	103H6704-0410	0.52	2	1.7	3.8	0.14	0.55	55.8
103H6704-0740	103H6704-0710	0.53	3	0.9	1.7	0.14	0.55	55.8

Characteristics

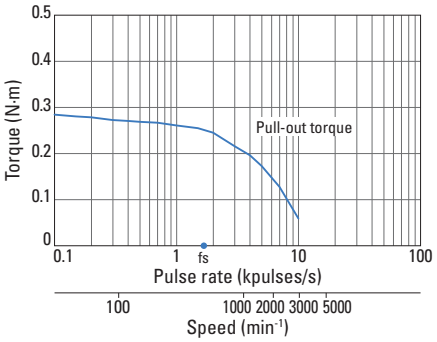
103H6701-0140 103H6701-0110

Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



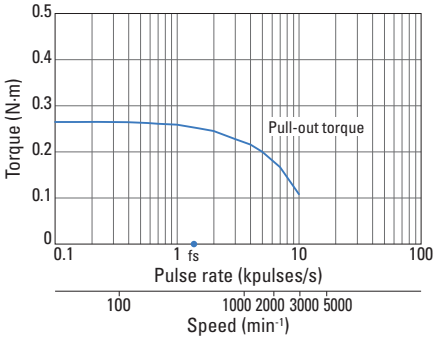
103H6701-0440 103H6701-0410

Constant current circuit
Input voltage: 24 VDC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



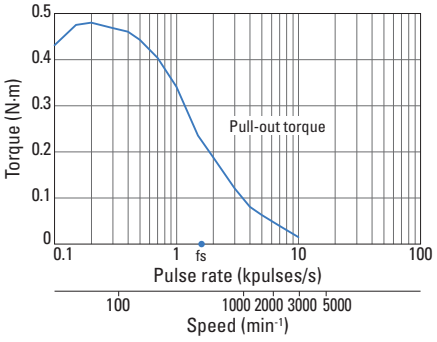
103H6701-0740 103H6701-0710

Constant current circuit
Input voltage: 24 VDC
Winding current:
3 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



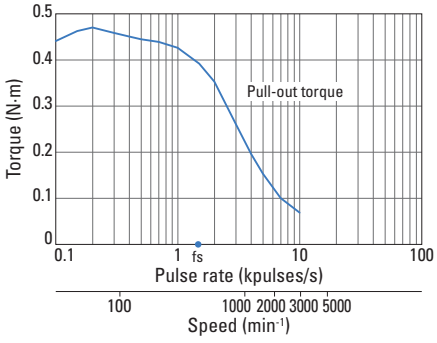
103H6703-0140 103H6703-0110

Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



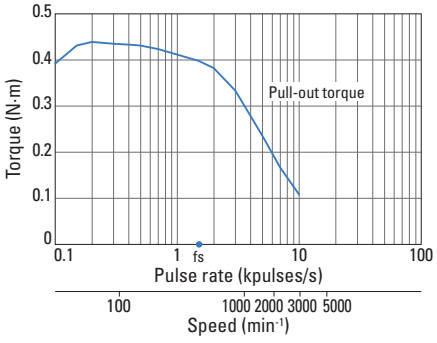
103H6703-0440 103H6703-0410

Constant current circuit
Input voltage: 24 VDC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



103H6703-0740 103H6703-0710

Constant current circuit
Input voltage: 24 VDC
Winding current:
3 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



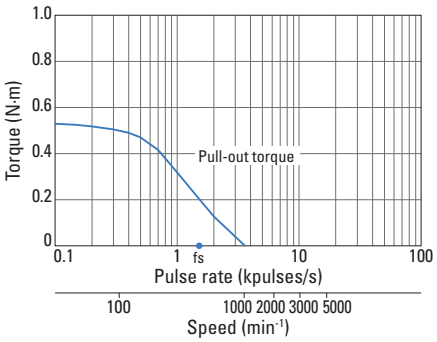
Allowable loads... ▶p. 69 Internal wiring and rotational directions... ▶p. 70 General specifications... ▶p. 71

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

Characteristics

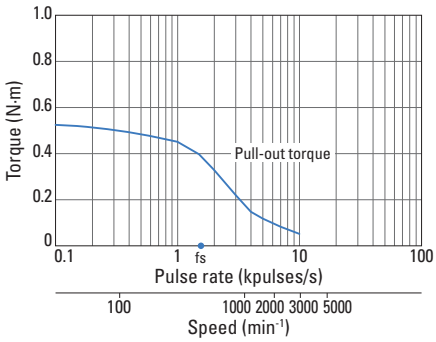
103H6704-0140
103H6704-0110

Constant current circuit
Input voltage: 24 VDC
Winding current:
1 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$ kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



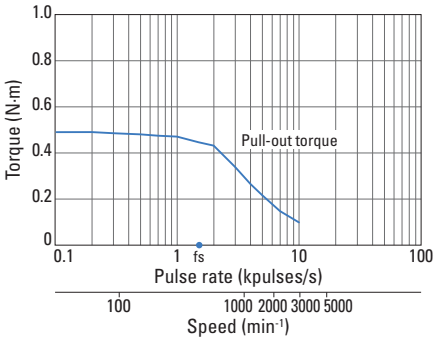
103H6704-0440
103H6704-0410

Constant current circuit
Input voltage: 24 VDC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$ kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load

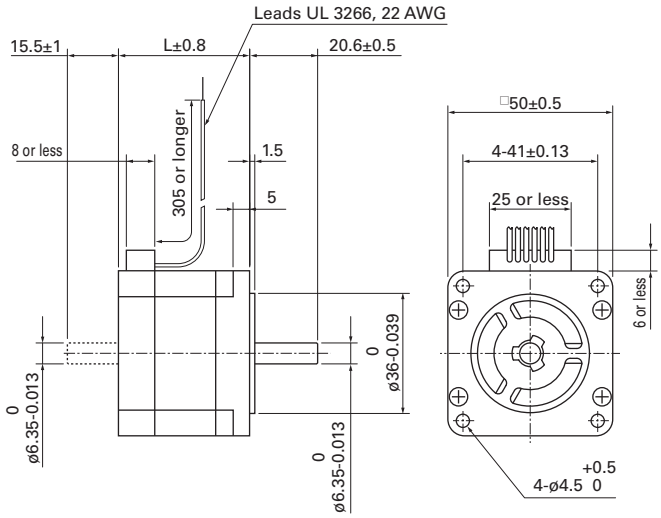


103H6704-0740
103H6704-0710

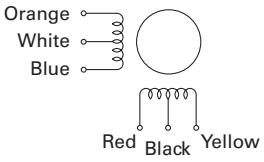
Constant current circuit
Input voltage: 24 VDC
Winding current:
3 A/phase
At 2-phase excitation (full step)
Pull-out torque:
$J_L = 0.94 \times 10^{-4}$ kg·m²
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal winding



Compatible drivers

- For motors 103H670 □ -04 □ 0 (2 A/phase)...
  Model no.: US1D200P10 (DC input)
  Operating current selection switch setting: 0
- 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.