2-phase stepping motor

50mm sq.（1.97inch sq.）

103H670 □
1.8˚ /step

Unipolar winding • Lead wire type

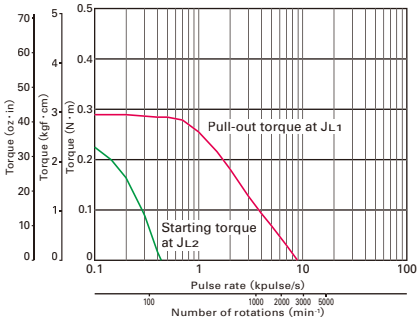
Model		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass（Weight）
Single shaft	Double shafts	[N · m（oz · in） MIN.]	A/phase	Ω /phase	mH/phase	[×10⁻⁴kg·m²(oz·in²)]	[kg（lbs）]
103H6701-0140	**-0110**	0.28（39.6）	1	4.3	6.8	0.057（0.31）	0.35（0.77）
103H6701-0440	**-0410**	0.28（39.6）	2	1.1	1.6	0.057（0.31）	0.35（0.77）
103H6701-0740	**-0710**	0.28（39.6）	3	0.6	0.7	0.057（0.31）	0.35（0.77）
103H6703-0140	**-0110**	0.49（69.4）	1	6	13	0.118（0.65）	0.5（1.10）
103H6703-0440	**-0410**	0.49（69.4）	2	1.6	3.2	0.118（0.65）	0.5（1.10）
103H6703-0740	**-0710**	0.49（69.4）	3	0.83	1.4	0.118（0.65）	0.5（1.10）
103H6704-0140	**-0110**	0.53（75.1）	1	6.5	16.5	0.14（0.77）	0.55（1.21）
103H6704-0440	**-0410**	0.52（73.6）	2	1.7	3.8	0.14（0.77）	0.55（1.21）
103H6704-0740	**-0710**	0.53（75.1）	3	0.9	1.7	0.14（0.77）	0.55（1.21）

Bipolar winding

Model		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass（Weight）
Single shaft	Double shafts	[N · m（oz · in） MIN.]	A/phase	Ω /phase	mH/phase	[×10⁻⁴kg·m²(oz·in²)]	[kg（lbs）]
103H6701-5040	**-5010**	0.28（39.6）	2	0.6	1.6	0.57（0.31）	0.35（0.77）
103H6703-5040	**-5010**	0.09（12.7）	2	0.8	3.2	0.118（0.65）	0.5（1.10）
103H6704-5040	**-5010**	0.52（73.6）	2	0.9	3.8	0.14（0.77）	0.55（1.21）

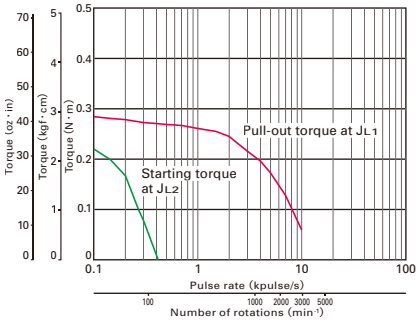
Pulse rate-torque characteristics

● 103H6701-01 □□



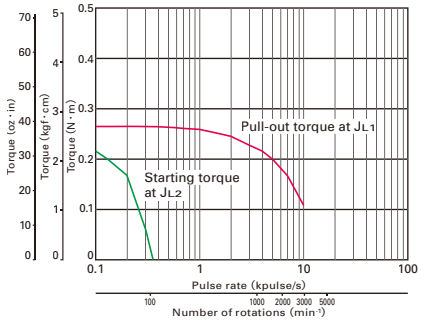
Constant current circuit
Source voltage : DC24V · operating current : 1A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6701-04 □□



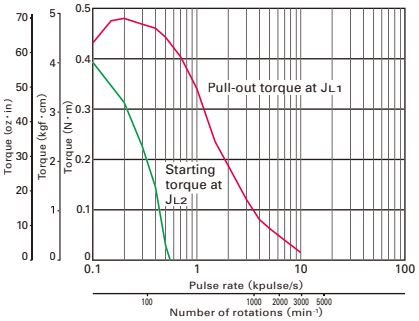
Constant current circuit
Source voltage : DC24V · operating current : 2A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6701-07 □□



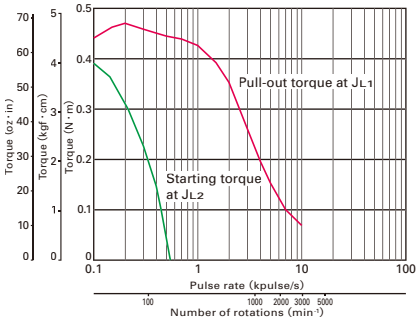
Constant current circuit
Source voltage : DC24V · operating current : 3A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6703-01 □□



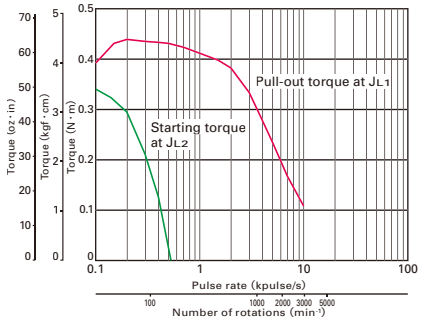
Constant current circuit
Source voltage : DC24V · operating current : 1A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6703-04 □□



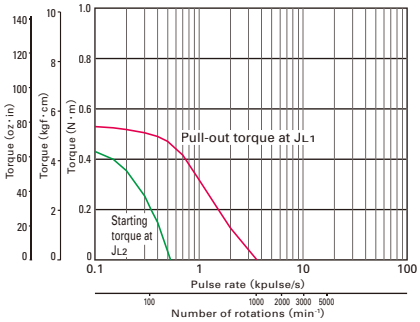
Constant current circuit
Source voltage : DC24V · operating current : 2A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6703-07 □□



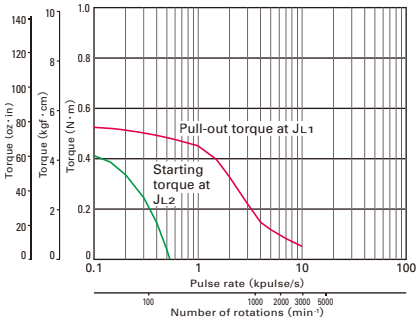
Constant current circuit
Source voltage : DC24V · operating current : 3A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6704-01 □□



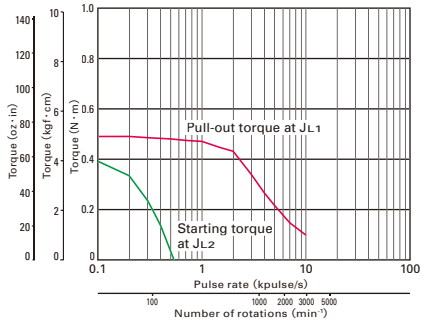
Constant current circuit
Source voltage : DC24V · operating current : 1A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6704-04 □□



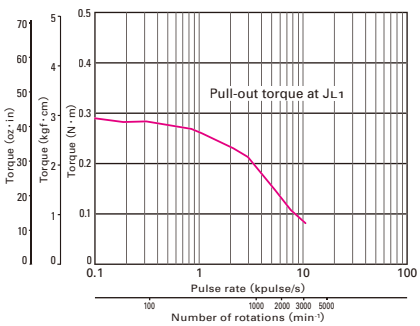
Constant current circuit
Source voltage : DC24V · operating current : 2A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6704-07 □□



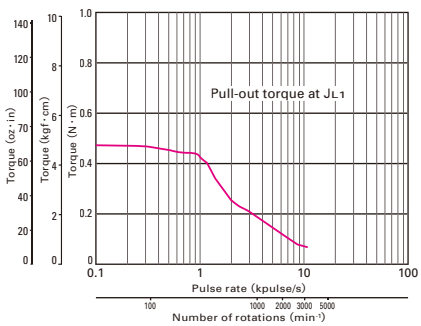
Constant current circuit
Source voltage : DC24V · operating current : 3A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.8x10^{-4}kg · m^2 (4.37 oz · in^2) use the direct coupling]

● 103H6701-50 □□



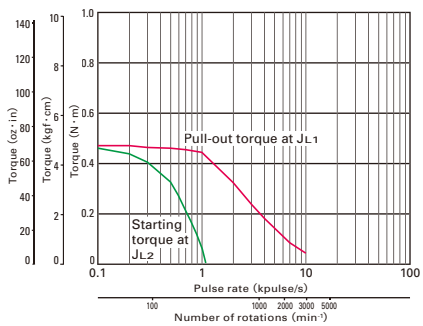
Constant current circuit
Source voltage : DC24V · operating current : 2A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]

● 103H6703-50 □□



Constant current circuit
Source voltage : DC24V · operating current : 2A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]

● 103H6704-50 □□



Constant current circuit
Source voltage : DC24V · operating current : 2A/phase,
2-phase energization (full-step)
J_{L1} = [0.94x10^{-4}kg · m^2 (5.14 oz · in^2) use the rubber coupling]
J_{L2} = [0.14x10^{-4}kg · m^2 (0.77 oz · in^2) pulley balancer method]