



56 mm sq. (2.20 inch sq.)

1.8° /step

Unipolar winding · Lead wire type

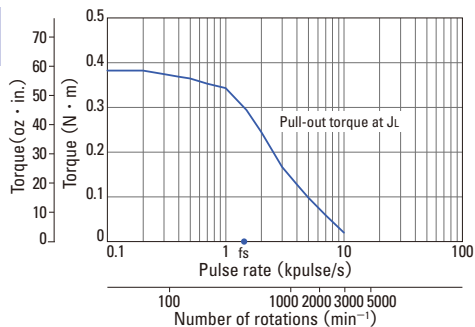
Bipolar winding · Lead wire type ▶ P.40

Unipolar winding · Lead wire type

Model number		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass (Weight)
Single shaft	Dual shaft	[N · m (oz · in) MIN.]	A/phase	Ω /phase	mH/phase	[×10 ⁻⁴ kg · m ² (oz · in ²)]	[kg (lbs)]
103H7121-0140	103H7121-0110	0.39 (55.2)	1	4.8	8	0.1 (0.55)	0.47 (1.04)
103H7121-0440	103H7121-0410	0.39 (55.2)	2	1.25	1.9	0.1 (0.55)	0.47 (1.04)
103H7121-0740	103H7121-0710	0.39 (55.2)	3	0.6	0.8	0.1 (0.55)	0.47 (1.04)
103H7123-0140	103H7123-0110	0.83 (117.5)	1	6.7	15	0.21 (1.15)	0.65 (1.43)
103H7123-0440	103H7123-0410	0.83 (117.5)	2	1.6	3.8	0.21 (1.15)	0.65 (1.43)
103H7123-0740	103H7123-0710	0.78 (110.5)	3	0.77	1.58	0.21 (1.15)	0.65 (1.43)
103H7124-0140	103H7124-0110	0.98 (138.8)	1	7	14.5	0.245 (1.34)	0.8 (1.76)
103H7124-0440	103H7124-0410	0.98 (138.8)	2	1.7	3.1	0.245 (1.34)	0.8 (1.76)
103H7124-0740	103H7124-0710	0.98 (138.8)	3	0.74	1.4	0.245 (1.34)	0.8 (1.76)
103H7126-0140	103H7126-0110	1.27 (179.8)	1	8.6	19	0.36 (1.97)	0.98 (2.16)
103H7126-0440	103H7126-0410	1.27 (179.8)	2	2	4.5	0.36 (1.97)	0.98 (2.16)
103H7126-0740	103H7126-0710	1.27 (179.8)	3	0.9	2.2	0.36 (1.97)	0.98 (2.16)

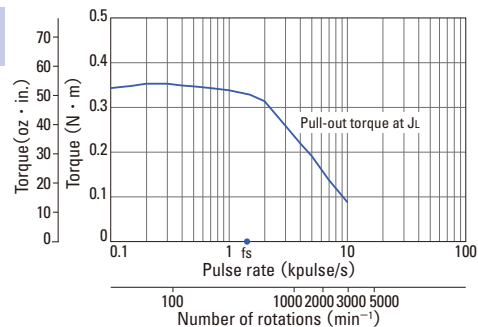
Characteristics diagram

103H7121-0140
103H7121-0110



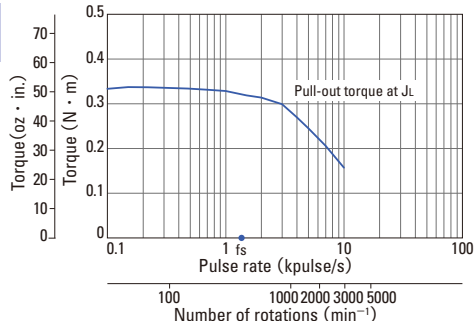
Constant current circuit
Source voltage : DC24V · Operating current : 1A/phase,
2-phase energization (full-step)
 $J_L = [0.94 \times 10^{-4} \text{kg} \cdot \text{m}^2 (5.14 \text{oz} \cdot \text{in}^2)]$ use the rubber coupling
fs: Maximum self-start frequency when not loaded

103H7121-0440
103H7121-0410



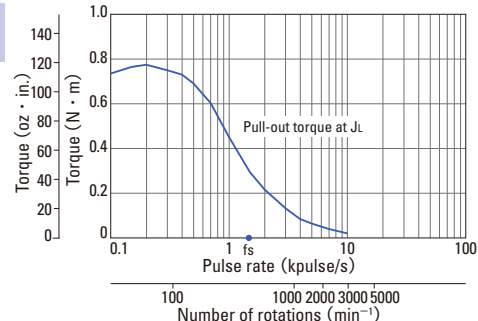
Constant current circuit
Source voltage : DC24V · Operating current : 2A/phase,
2-phase energization (full-step)
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103H7121-0740
103H7121-0710



Constant current circuit
Source voltage : DC24V · Operating current : 3A/phase,
2-phase energization (full-step)
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fs: Maximum self-start frequency when not loaded

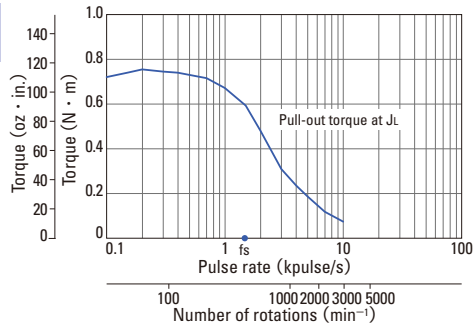
103H7123-0140
103H7123-0110



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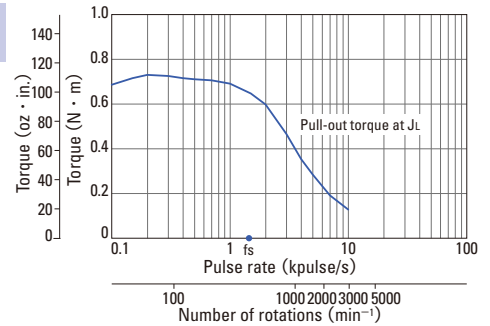
Characteristics diagram

103H7123-0440
103H7123-0410



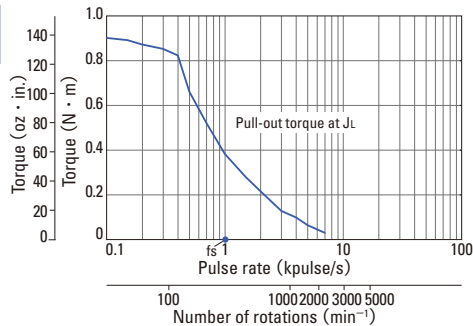
Constant current circuit
Source voltage : DC24V · Operating current : 2A/phase,
2-phase energization (full-step)
 $J_t = [0.94 \times 10^{-4} \text{ kg} \cdot \text{m}^2 (5.14 \text{ oz} \cdot \text{in}^2) \text{ use the rubber coupling}]$
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103H7123-0740
103H7123-0710



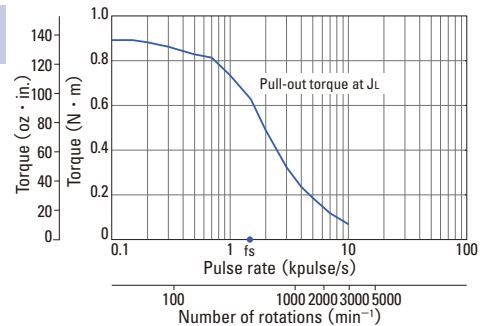
Constant current circuit
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103H7124-0140
103H7124-0110



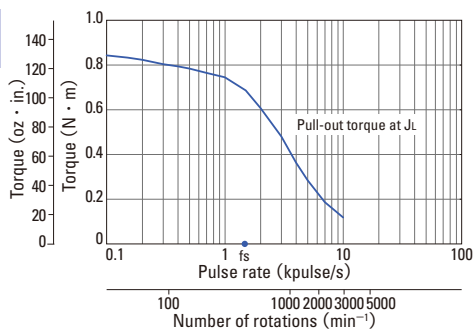
Constant current circuit
Source voltage : DC24V · Operating current : 1A/phase,
2-phase energization (full-step)
 $J_t = [2.6 \times 10^{-4} \text{ kg} \cdot \text{m}^2 (14.22 \text{ oz} \cdot \text{in}^2) \text{ use the rubber coupling}]$
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103H7124-0440
103H7124-0410



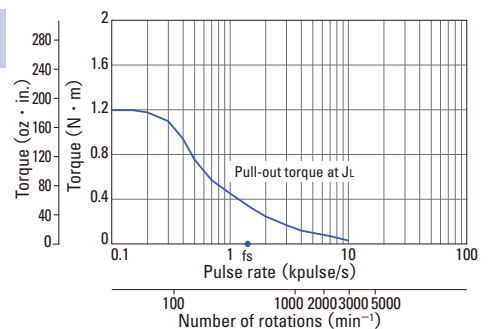
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103H7124-0710



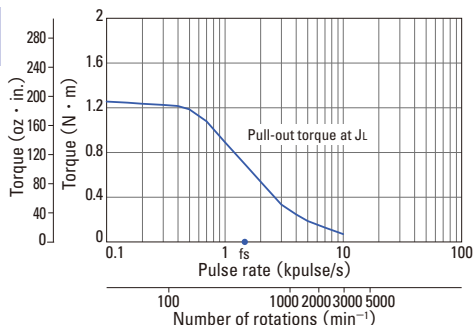
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103H7126-0140
103H7126-0110



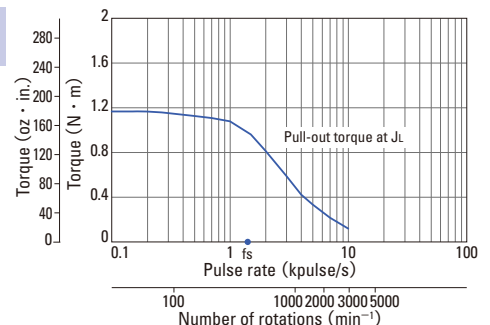
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