5-phase stepping motor

50mm sq. 103H650□-□□□□
0.72˚/step

●Applicable drivers

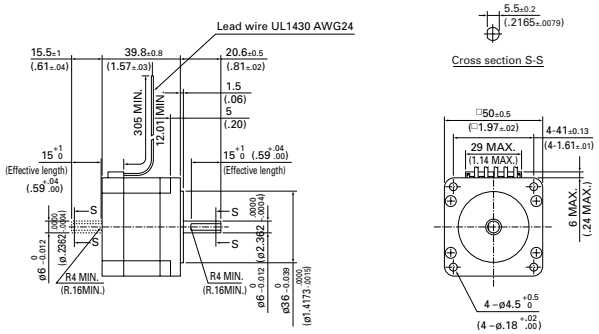
PMM-MA 50034 | PMM-MA 50064 | PMM-BA 5603 5643 | PMM-BA 5604 5644 | PMDPB1S6P01 | PMDPC1S3P01
PMM-MD-53039 PMM-MD-53031 | PMM-BD-53139 PMM-BD-53131 | PMDPA1C3P50

Specifications

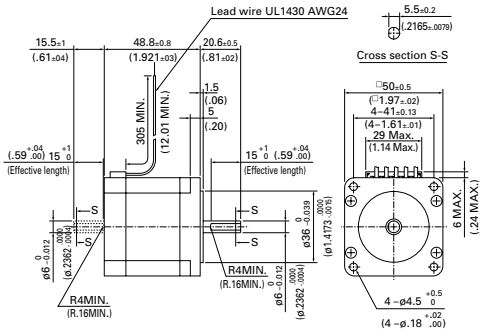
Model number		Holding torque at 5-phase energization	Rated current	resistance	inductance	Rotor inertia	Mass (Weight)
Single shaft	Double shaft	N.m(oz·in) MIN.	A/phase	Ω/phase	mH/phase	x10^{-4}kg·m^2(oz·in^2)	kg(lbs)
103H6500-7041	-7011	0.235(33.28)	0.75	2	4	0.057(0.31)	0.38(0.84)
103H6500-8041	-8011	0.225(31.86)	1.5	0.47	0.85	0.057(0.31)	0.38(0.84)
103H6501-7041	-7011	0.39(55.23)	0.75	2.6	5.6	0.105(0.57)	0.44(0.97)
103H6501-8041	-8011	0.39(55.23)	1.5	0.65	1.45	0.105(0.57)	0.44(0.97)

Dimensions [unit:mm(inch)]

103H6500-7041/8041 (Single shaft)
103H6500-7011/8011 (Double shaft)

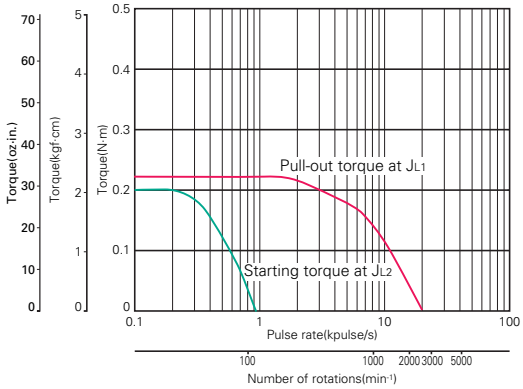


103H6501-7041/8041 (Single shaft)
103H6501-7011/8011 (Double shaft)



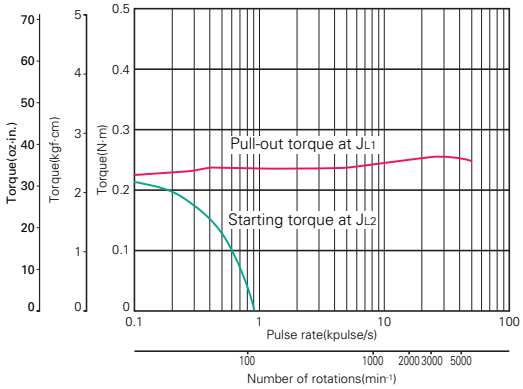
Pulse rate-torque characteristics

●103H6500-7041



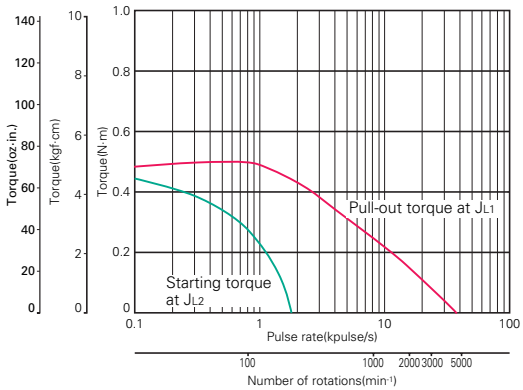
Sanyo constant current circuit
Source voltage : 24V DC·Operating current : 0.75A/phase
5-phase excitation (Full step)
J_{L1}=0.94×10^{-4}kg·m^2 [5.14 oz·in^2] (Use the rubber coupling)
J_{L2}=0.8×10^{-4}kg·m^2 [4.37 oz·in^2] (Use the direct coupling)

●103H6500-8041



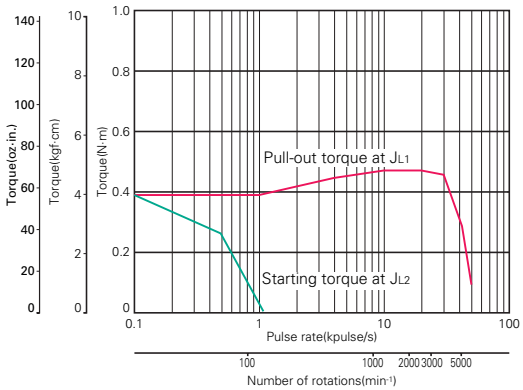
Sanyo constant current circuit
Source voltage : 100V AC·Operating current : 1.5A/phase
5-phase excitation (Full step)
J_{L1}=0.94×10^{-4}kg·m^2 [5.14 oz·in^2] (Use the rubber coupling)
J_{L2}=0.8×10^{-4}kg·m^2 [4.37 oz·in^2] (Use the direct coupling)

●103H6501-7041



Sanyo constant current circuit
Source voltage : 24V DC·Operating current : 0.75A/phase
5-phase excitation (Full step)
J_{L1}=0.94×10^{-4}kg·m^2 [5.14 oz·in^2] (Use the rubber coupling)
J_{L2}=0.105×10^{-4}kg·m^2 [0.57 oz·in^2] (Pulley balancer system)

●103H6501-8041



Sanyo constant current circuit
Source voltage : 100V AC·Operating current : 1.5A/phase
5-phase excitation (Full step)
J_{L1}=0.94×10^{-4}kg·m^2 [5.14 oz·in^2] (Use the rubber coupling)
J_{L2}=0.8×10^{-4}kg·m^2 [4.37 oz·in^2] (Use the direct coupling)