5-phase stepping motor

60mm cir.

103H752□-6□□□
CE marked
0.72˚/step

●Applicable drivers

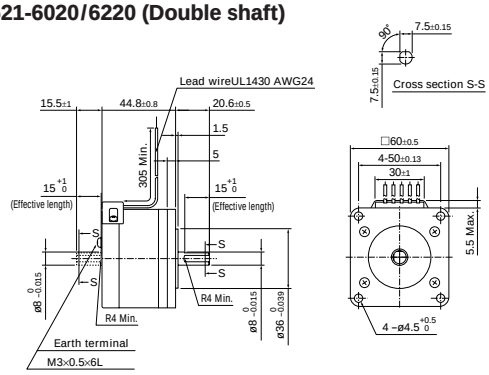
PMM-MA 50064 | PMM-MA 50034

Specifications

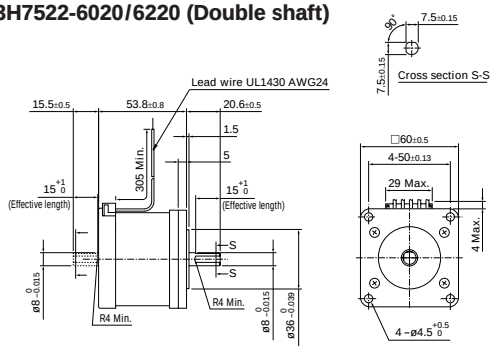
Model number		Holding torque at 5-phase energization	Rated current	Wiring resistance	Wiring inductance	Rotor inertia	Weight
Single-axis	Dual-axis	N.m or more	A/phase	Ω/phase	mH/phase	x 10^{-4}kg-m^2	kg
103H7521-6050	-6020	0.46	0.75	2.4	4.3	0.148	0.51
103H7521-6250	-6220	0.46	1.5	0.6	1.1	0.148	0.51
103H7522-6050	-6020	0.735	0.75	3.3	7.5	0.18	0.6
103H7522-6250	-6220	0.735	1.5	0.75	2	0.18	0.6
103H7523-6050	-6020	1.568	0.75	5.2	21	0.423	1.1
103H7523-6250	-6220	1.568	1.5	1.4	5.4	0.423	1.1

Dimensions (unit: mm)

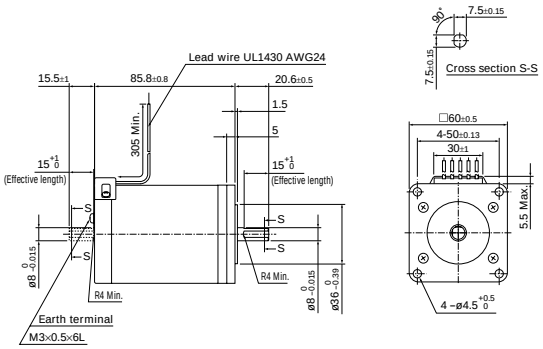
103H7521-6050/6250 (Single shaft)
103H7521-6020/6220 (Double shaft)



103H7522-6050/6020 (Single shaft)
103H7522-6020/6220 (Double shaft)

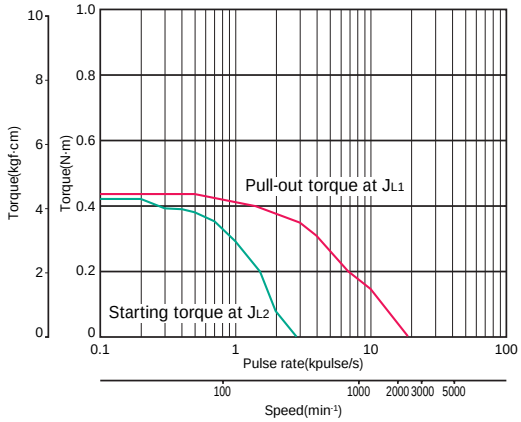


103H7523-6050/6250 (Single shaft)
103H7523-6020/6220 (Double shaft)



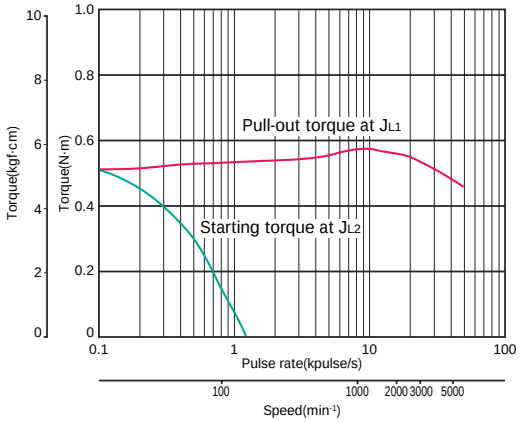
Pulse rate-torque characteristics

●103H7521-6050



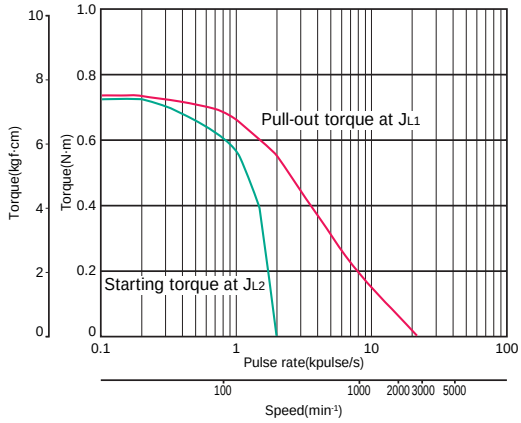
Sanyo constant current circuit
Source voltage : 24V DC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=0.94\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=0.51\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H7521-6250



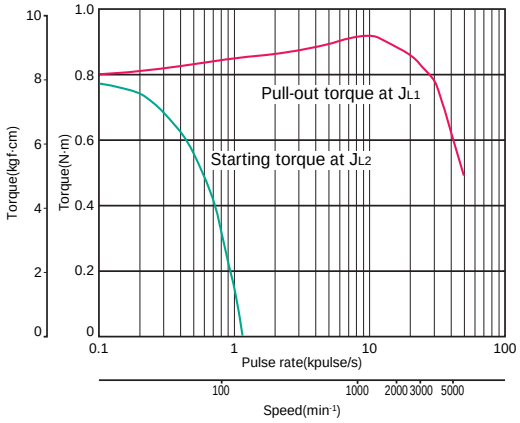
Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 1.5A/phase
5-phase excitation (Full step)
$J_{L1}=0.94\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=0.8\times10^{-4}kg\cdot m^2$ (With direct-coupled coupling)

●103H7522-6050



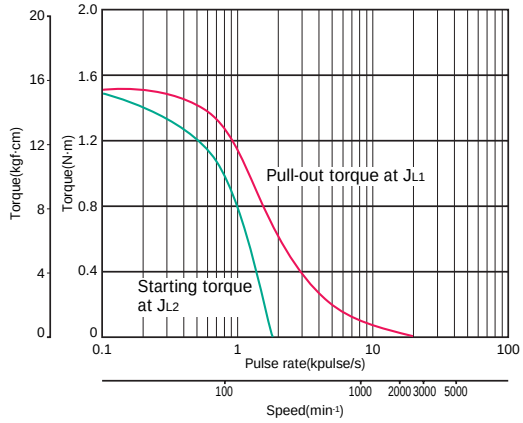
Sanyo constant current circuit
Source voltage : 24V DC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=2.6\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=0.6\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H7522-6250



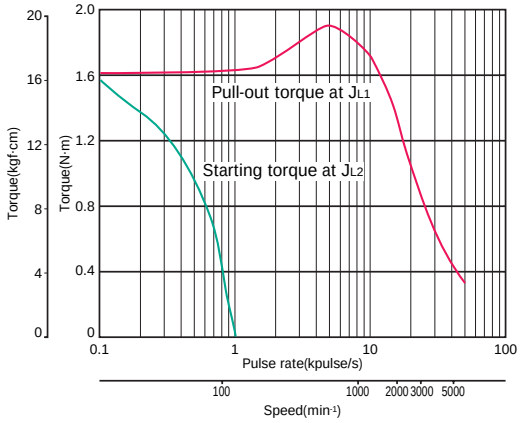
Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 1.5A/phase
5-phase excitation (Full step)
$J_{L1}=2.6\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=2.6\times10^{-4}kg\cdot m^2$ (With direct-coupled coupling)

●103H7523-6050



Sanyo constant current circuit
Source voltage : 24V DC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=7.4\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=1.1\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H7523-6250



Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 1.5A/phase
5-phase excitation (Full step)
$J_{L1}=7.4\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=7.4\times10^{-4}kg\cdot m^2$ (With direct-coupled coupling)