5-phase stepping motor

86mm cir. 103H858□-□□□□
0.72˚/step

●Applicable drivers

PMAPA 1S6A01 | PMAPA 1S6B01 | PMM-MA 50034 | PMM-MA 50064 | PMM-BA 5603 5643 | PMM-BA 5604 5644

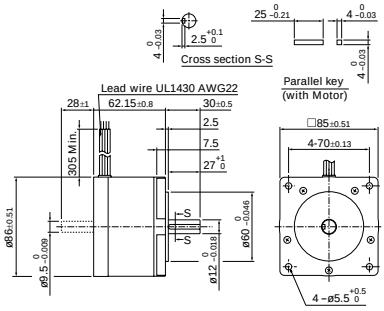
PMDPB1S6P01 | PMDPC1S3P01 | PMM-MD-53130 PMM-MD-53131 | PMM-BD-53130 PMM-BD-53131

Specifications

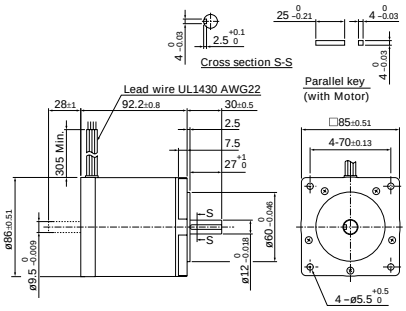
Model number		Holding torque at 5-phase energization	Rated current	Wiring resistance	Wiring inductance	Rotor inertia	Weight
Single-axis	Dual-axis	N.m or more	A/phase	Ω/phase	mH/phase	x 10^{-4}kg-m^2	kg
103H8581-7041	-7011	2.06	0.75	5.7	25	1.45	1.5
103H8581-8041	-8011	2.06	1.5	1.5	5.6	1.45	1.5
103H8582-7041	-7011	4.02	0.75	8.6	41	2.9	2.5
103H8582-8041	-8011	4.02	1.5	2	10.6	2.9	2.5
103H8583-7041	-7011	6.17	0.75	10.5	59	4.4	3.5
103H8583-8041	-8011	6.17	1.5	2.5	15	4.4	3.5

Dimensions (unit: mm)

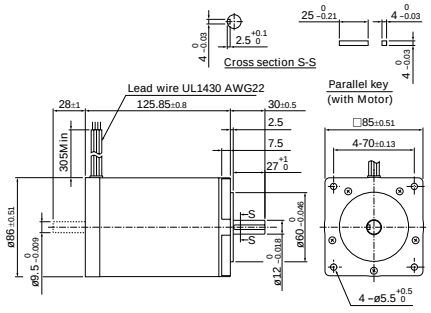
103H8581-7041/8041 (Single shaft)
103H8581-7011/8011 (Double shaft)



103H8582-7041/8041 (Single shaft)
103H8582-7011/8011 (Double shaft)

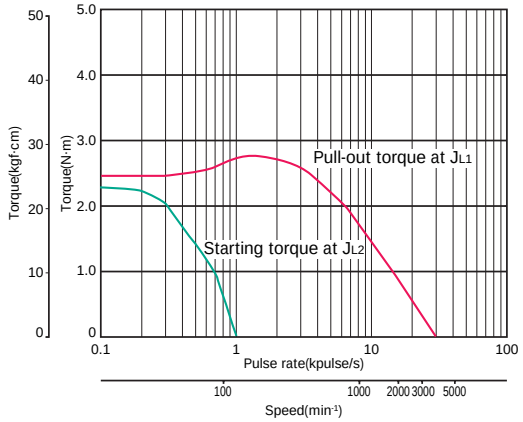


103H8583-7041/8041 (Single shaft)
103H8583-7011/8011(Double shaft)



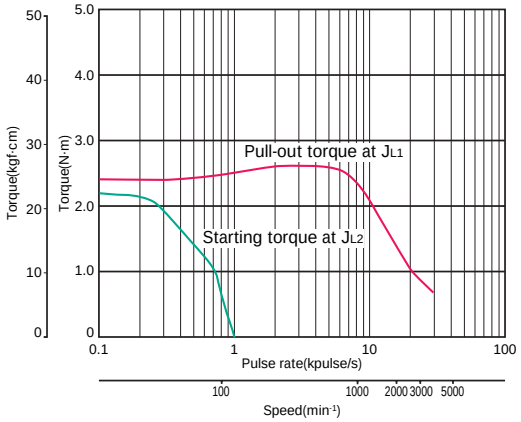
Pulse rate-torque characteristics

●103H8581-7041



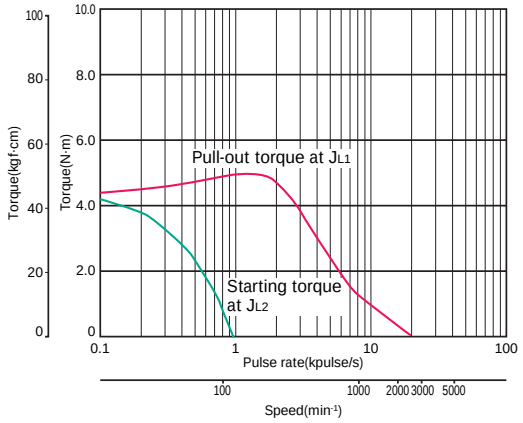
Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=7.4\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=1.45\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H8581-8041



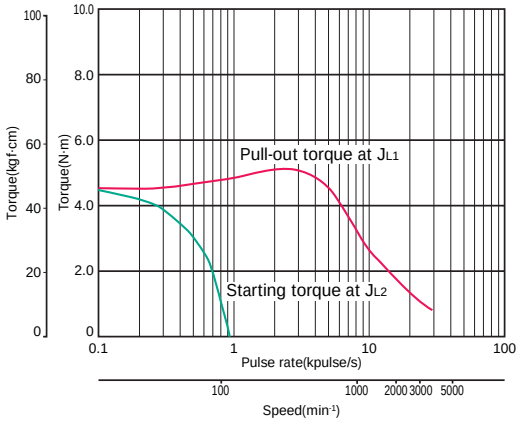
Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 1.5A/phase
5-phase excitation (Full step)
$J_{L1}=7.4\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=1.45\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H8582-7041



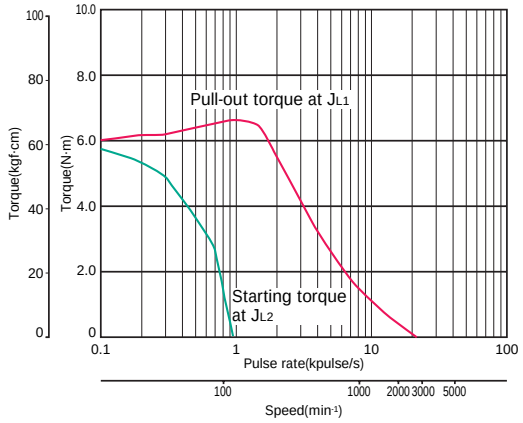
Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=15.3\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=2.9\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H8582-8041



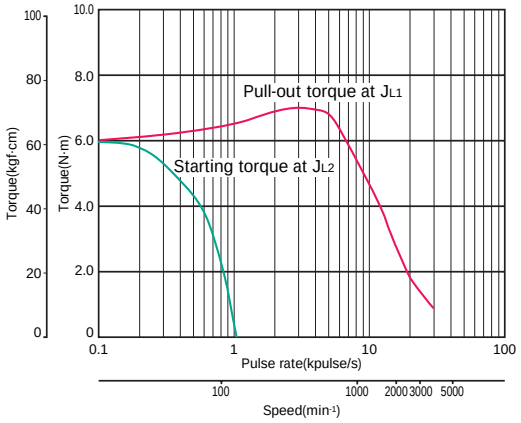
Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 1.5A/phase
5-phase excitation (Full step)
$J_{L1}=15.3\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=2.9\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H8583-7041



Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=43\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=4.4\times10^{-4}kg\cdot m^2$ (Pulley balancer system)

●103H8583-8041



Sanyo constant current circuit
Source voltage : 100V AC・Winding current : 1.5A/phase
5-phase excitation (Full step)
$J_{L1}=43\times10^{-4}kg\cdot m^2$ (With rubber coupling)
$J_{L2}=4.4\times10^{-4}kg\cdot m^2$ (Pulley balancer system)