2-phase Stepping Motor

86mm cir.
(3.39inch cir.)

103H822☐
Conforming to the CE marking
1.8°/step

CE

Specifications

Bipolar winding

| Model		Holding torque at 2-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	x10⁻⁴kg·m²(oz·in²)	kg(lbs)
103H8221-6240	-6210	2.74(388.0)	6	0.3	1.65	1.45(7.93)	1.5(3.31)
103H8222-6340	-6310	5.09(720.8)	6	0.35	2.7	2.9(15.86)	2.5(5.51)
103H8223-6340	-6310	7.44(1053.6)	6	0.45	3.4	4.4(24.06)	3.5(7.72)

Dimensions [Unit:mm(inch)]

103H8221-6240 (Single shaft)
103H8221-6210 (Double shaft)
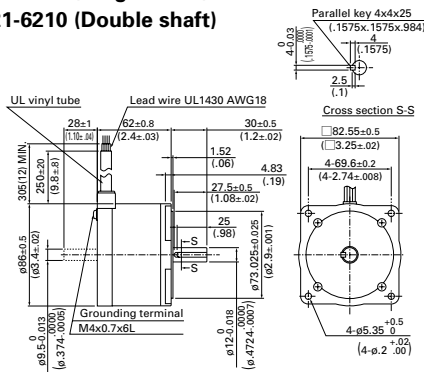
103H8222-6340 (Single shaft)
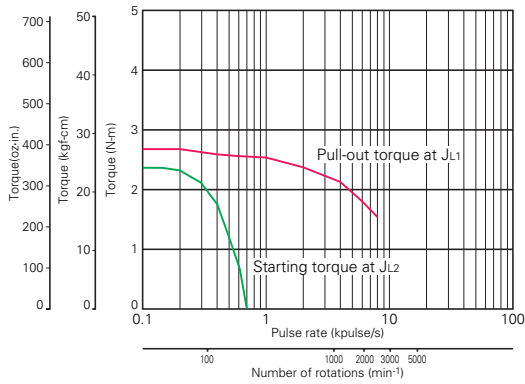**103H8222-6310 (Double shaft)**
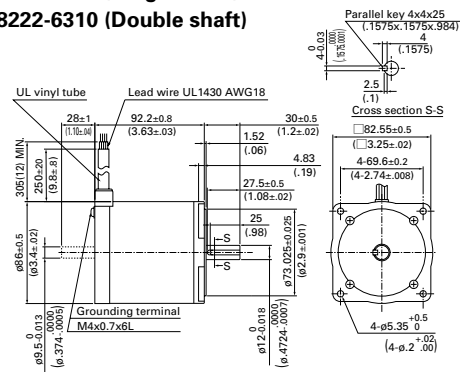
103H8223-6340 (Single shaft)
103H8223-6310 (Double shaft)
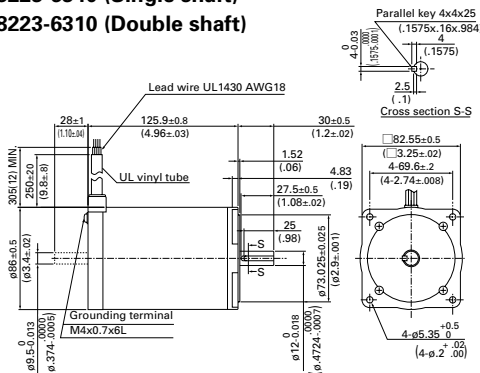
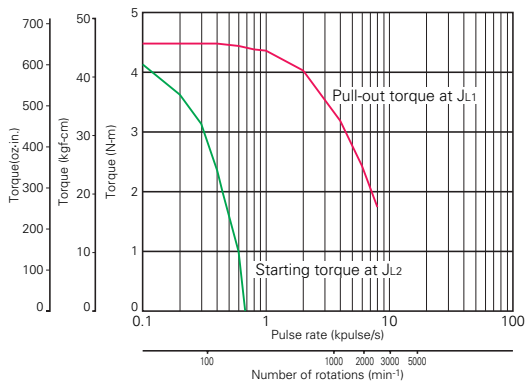# Pulse Rate - Torque Characteristics

● 103H8221-6240

Sanyo constant current circuit
Source voltage: AC100V Operating current: 6A/phase, 2-phase energization (full-step)
J_{L1}=[7.4x10⁻⁴kg·m² (40.46 oz·in²) Use the rubber coupling]
J_{L2}=[7.4x10⁻⁴kg·m² (40.46 oz·in²) Use the direct coupling]
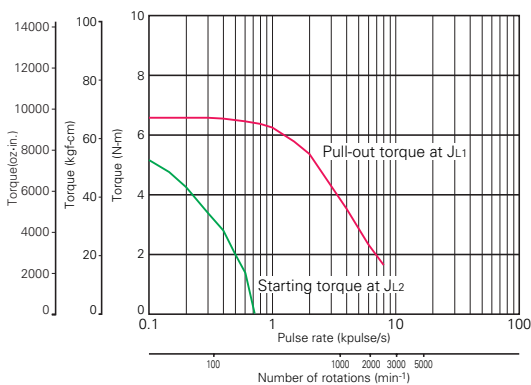
● 103H8222-6340

Sanyo constant current circuit
Source voltage: AC100V Operating current: 6A/phase, 2-phase energization (full-step)
J_{L1}=[15.3x10⁻⁴kg·m² (83.65 oz·in²) Use the rubber coupling]
J_{L2}=[15.3x10⁻⁴kg·m² (83.65 oz·in²) Use the direct coupling]

● 103H8223-6340

Sanyo constant current circuit
Source voltage: AC100V Winding current: 6A/phase, 2-phase energization (full-step)
J_{L1}=[43x10⁻⁴kg·m² (235.10 oz·in²) Use the rubber coupling]
J_{L2}=[43x10⁻⁴kg·m² (235.10 oz·in²) Use the direct coupling]

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