



High vacuum stepping motor

For environment in 10^{-5} Pa (For reference).

103H□□□□-70V1

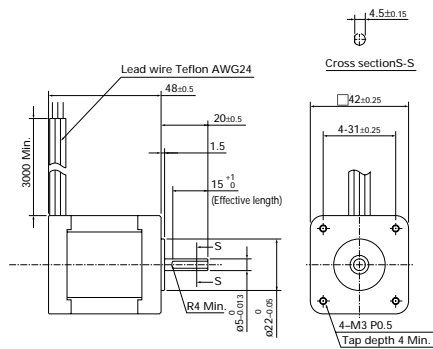
- For detailed information on applicable drivers, contact our Sales Department.

Specifications

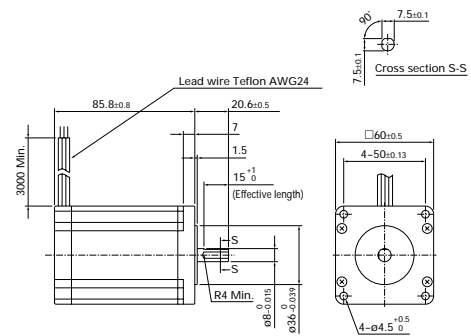
Model Number	Number of phases	Basic step angle	Holding torque	Rated current	Wiring resistance	Wiring inductance	Rotor inertia x 10 ⁻⁴ kg·m ²	Weight kg
			N.m or more	A/phase	Ω/phase	mH/phase		
103H5510-70V1	5	0.72°	0.255	0.75	2.7	2.2	0.065	0.4
103H7853-70V1	5	0.72°	1.86	0.75	6	15	0.84	1.4

Dimensions (Unit : mm)

103H5510-70V1

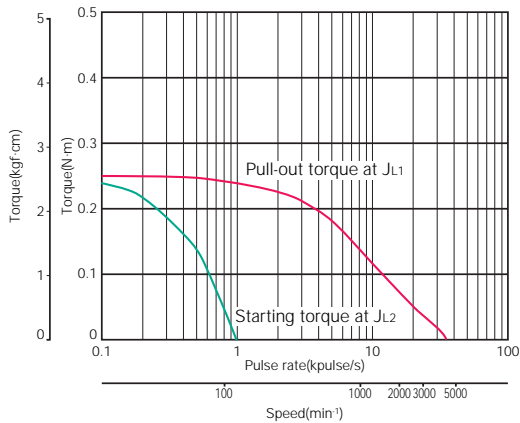


103H7853-70V1



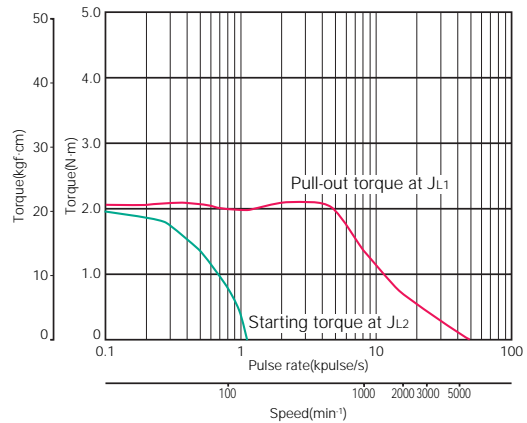
Pulse rate-torque characteristics

●103H5510-70V1



Sanyo constant current circuit
 Source voltage : 24V DC · Winding current : 0.75A/phase
 5-phase excitation (Full step)
 $J_{L1}=0.94 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (With rubber coupling)
 $J_{L2}=0.8 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (With direct-coupled coupling)

●103H7853-70V1



Sanyo constant current circuit
 Source voltage : 24V DC · Winding current : 0.75A/phase
 5-phase excitation (Full step)
 $J_{L1}=7.4 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (With rubber coupling)
 $J_{L2}=7.4 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (With direct-coupled coupling)

- 39mm (0.36")
- 60mm (0.45")
- 28mm (0.72")
- 42mm (0.72")
- 50mm (0.72")
- 60mm (0.72")
- 60mm (0.72")
- 86mm (0.72")
- 106mm (0.72")
- CE marked
- Specifications of 5-phase stepping motor
- In-vacuum stepping motor