



# Size 86mm 3-Phase Hybrid Stepping Motor

## ● General Specification for High Torque Hybrid Stepping Motor

Item	Specifications
Step Angle	1.2°
Step Angle Accuracy	± 5% (full step, no load)
Resistance Accuracy	± 10%(20°C)
Inductance Accuracy	± 20%(1kHz)
Temperature Rise	80°CMax.(rated current)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min. ,500VDC
Dielectric Strength	1800VAC, 1s, 3mA
Shaft Radial Play	0.02Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)
Max. radial force	220N (20mm from the flange)
Max. axial force	60N
Insulation class	F



## ● Size 86mm 3-Phase Hybrid Stepping Motor Specifications

Model No.	Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	Ratedng Torque	Rotor Inertia	Weight	Length (Max)
unit	VDC	A	Ω	mH	N.m	N.m	g-cm <sup>2</sup>	kg	mm
FL863P67-01AW	325	1.75	4.25	11	2.0	2	1120	1.65	67
FL863P97-01AW	325	2	5.8	23	4.52	4	2200	2.7	97
FL863P97-02AW	40	5.8	0.97	3.2	4.52	4			
FL863P127-01AW	325	2.25	9	41	6.78	6	3300	3.8	127
FL863P127-02AW	40	5.2	1.8	8	6.78	6			

## ● Dimension

