

1.8° Size 86mm Round High Torque Hybrid Stepping Motor

A29

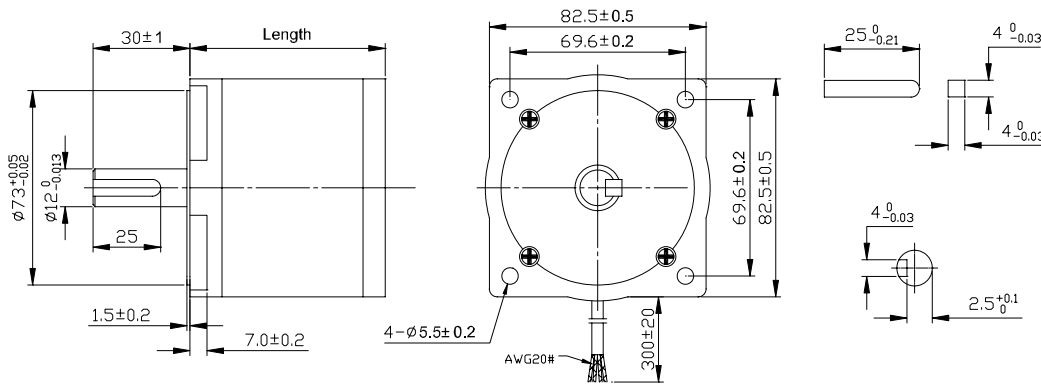
Item	Specifications
Step Angle	1.8
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80° C Max.(rated current,2 phase on)
Ambient Temperature	-20° C~+50° C
Insulation Resistance	100MΩ Min. ,500VDC
Dielectric Strength	820VAC , 1s , 3mA
Shaft 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



● Size 86mm High Torque Hybrid Stepping Motor Specifications

Model No.	Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
	V	A	Ω	mH	Kg.cm		g-cm ²	kg	kg-cm	mm
FL86ST67-2808A	3.64	2.8	1.3	5.1	28	8	660	1.6		67
FL86ST94-2808A	4.76	2.8	1.7	7.7	48	8	1200	2.4		94
FL86ST125-3508A	4.97	3.5	1.42	7.9	76	8	1800	3.6		125

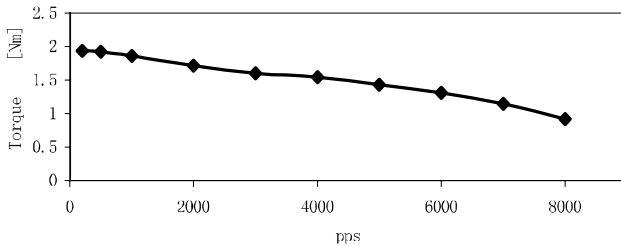
● Dimension



● Pull out Torque Curve

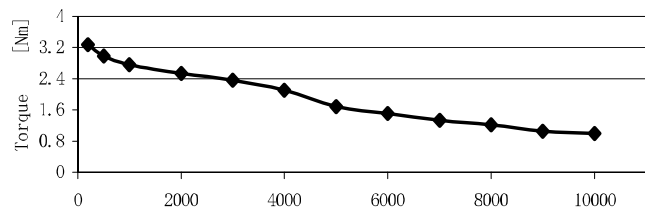
FL86ST67-2808A

VM:100VAC;3.96A /Phase() Driver:MD2278, 400pul/rev, PARALLEL



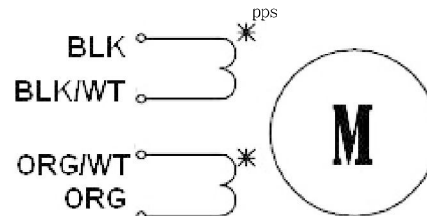
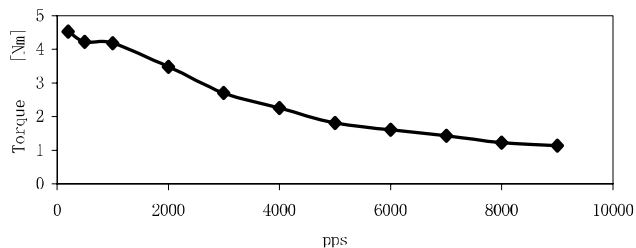
FL86ST94-2808A

VM:100VAC;3.96A /Phase() Driver:MD2278, 400pul/rev, PARALLEL



FL86ST125-3508A

VM:100VAC;4.71A /Phase() Driver:MD2278, 400pul/rev, PARALLEL



WIRING DIAGRAM:

