



■ Specs



Motor output	10W					
Round shaft type	8T10S-1		8T10S-2		8T10S-2E 8T10S-23C	
Pinion shaft type	8T10P-1		8T10P-2		8T10P-2E 8T10P-23C	
Controller models	TP51		TP52		TP52	
Capacity of capacitor (μF)	10		2.5		2.5	
Rating at the locked rotor [When the rotor locked] (min)	5 min	Continuous	5 min	Continuous	5 min	Continuous
Power input (V)	Single phase AC110	Single phase AC60	Single phase AC220	Single phase AC115	Single phase AC230	Single phase AC115
Power frequency (Hz)	60				50	
Starting torque (kgcm)	2.10	0.70	2.10	0.70	2.20	0.65
Max output power (W)	12	3.3	12	3.3	10	2.8
At max output power	Rotation speed (r/min)	900		900		750
	Torque (kgcm)	1.30	0.35	1.30	0.35	1.30
	Current (A)	0.74	0.45	0.39	0.24	0.45
	Power input (W)	80	25	80	25	90
Ambient temperature	-10~+50℃					
Ambient humidity	Max.85%RH					

■ Permissible Overhung Load/Permissible Thrust Load

Round shaft type

Model	Permissible Overhung Load(Unit : kg f)		Permissible Thrust Load (Unit : kg f)
	10mm from shaft end	20mm from shaft end	
8T10S-□	9	14	Permissible thrust load do not exceed the weight of motor 1/2.If exceed the rated weight will decrease the service life of motor. Please using indirect transmission machinery such as coupling, belt,chain.As the applications which will need the thrust load

Pinion shaft type (Gearhead attached)

Model	Gear Ratio	Permissible Overhung Load(Unit : kg f)		Permissible Thrust Load (Unit:kg f)
		10mm from shaft end	20mm from shaft end	
8T10P-□	3, 3.6, 5	20	25	5
	6, 7.5, 9, 10, 12.5, 15, 18, 20	30	35	
	25, 30, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200, 250, 300, 360	45	55	

■ Dimensions

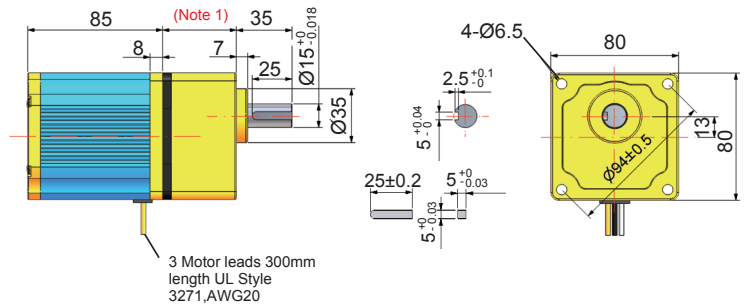
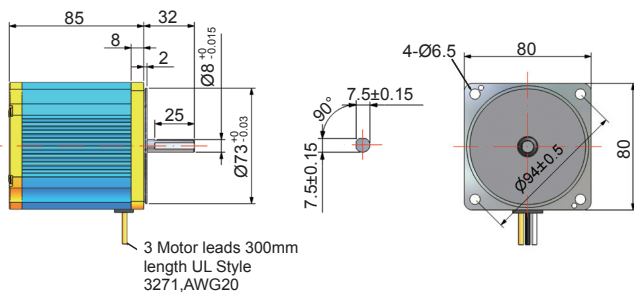
Round shaft type 8T10S-□

Motor Weight : 2050g

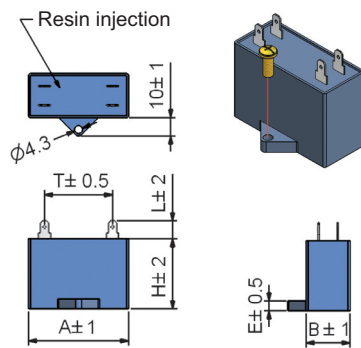
Pinion shaft type 8T10P-□+8A□

Motor Weight : 2030g

Unit : mm



■ Capacitor Dimensions (Included with single phase motors)



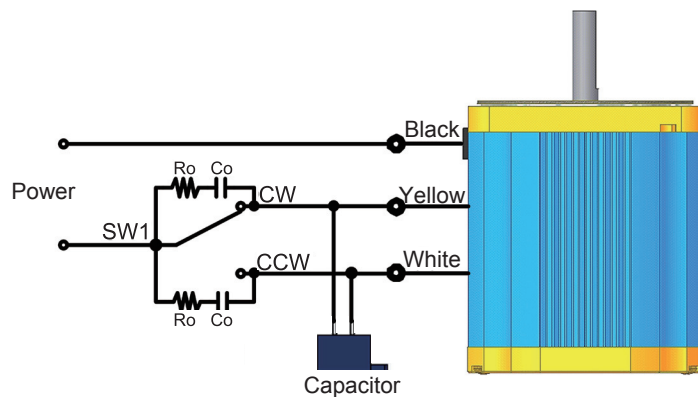
*(Note 1)

8A□Gearhead Length/Weight		
Model	Length (mm)	Weight (g)
8A3~8A100	46.5	880
8A120~8A360	50.5	940

※We also have gearhead 8A□N with shaft Ø10. For details please refer to the P.4

Capacity of capacitor (μF/VAC)	A	B	H	L	T	E
10/250	49	21	31.5	8	38	5
2.5/450	48	17	27	9	34	5

■ Wiring diagram



Common technical information

Product number code

Induction motor

Reversible motor

Speed control motor

Electromagnetic brake motor

Torque motor