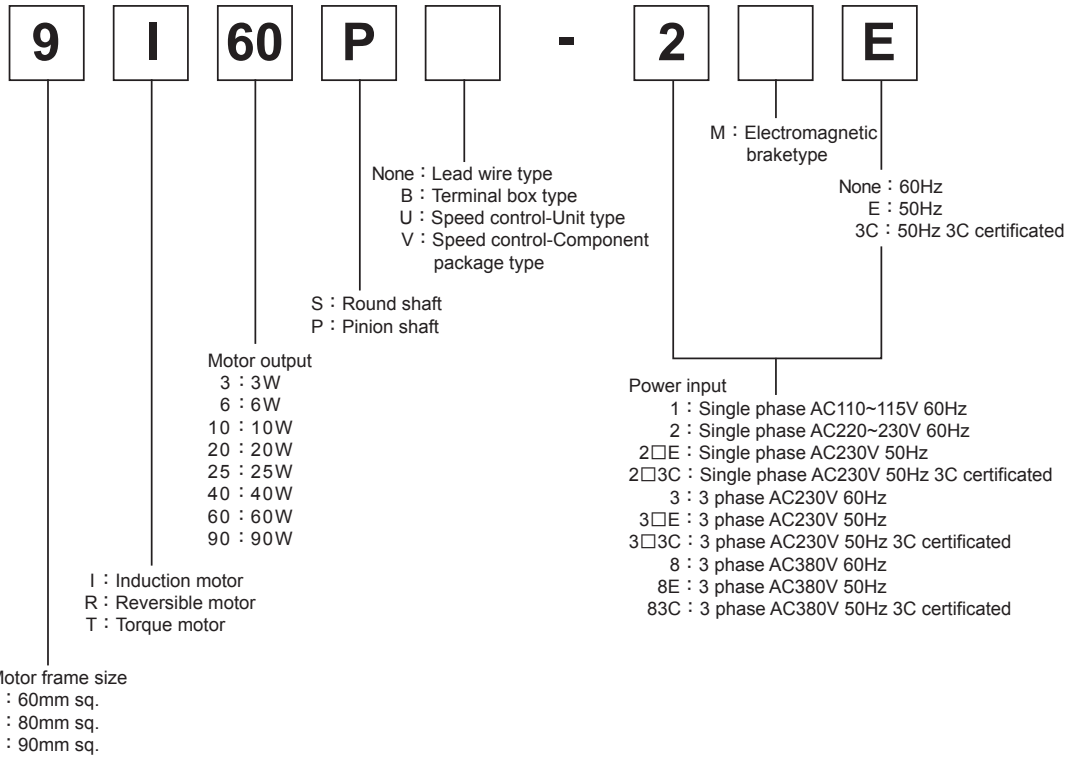
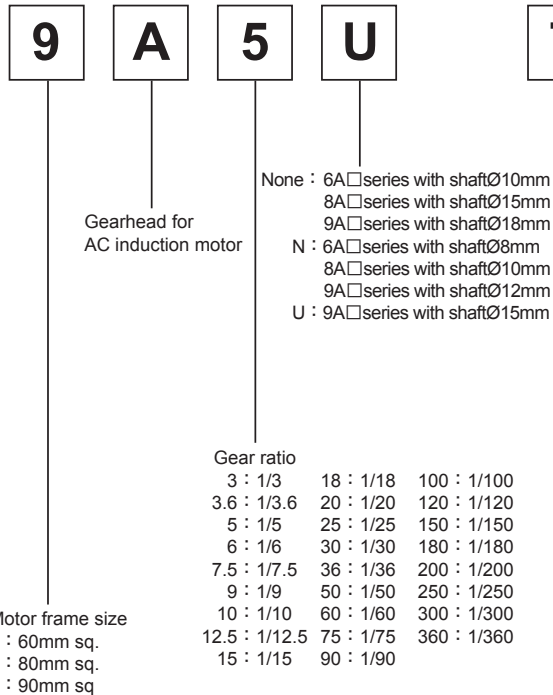


## Product number code

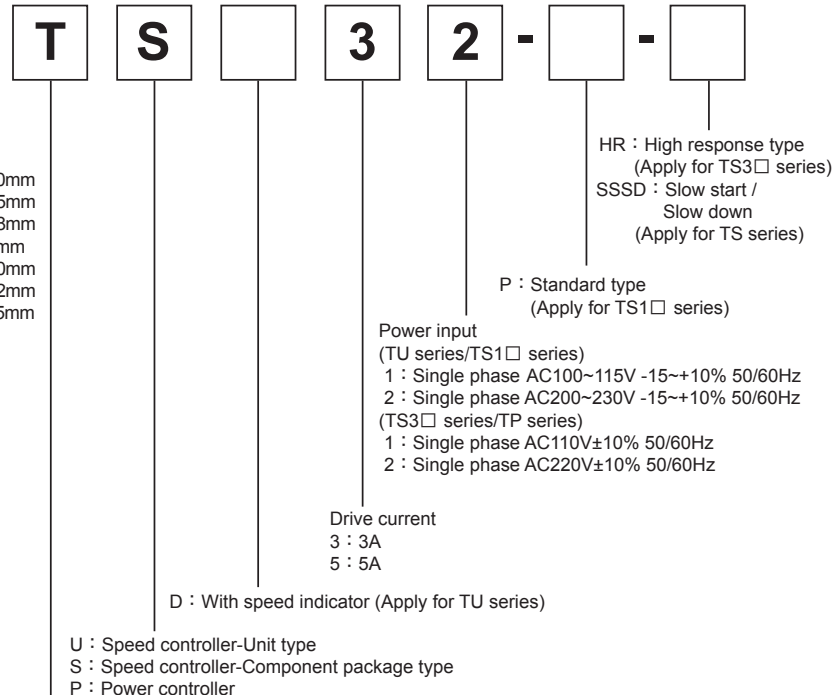
### Motor



### Gearhead



### Controller



TROY

Common technical information

Product number code

Induction motor

Reversible motor

Speed control motor

Electromagnetic brake motor

Torque motor



### ■ Specs

Motor output		6W				
Round shaft	6R6S-1M		6R6S-2M		6R6S-2ME 6R6S-2M3C	
Pinion shaft	6R6P-1M		6R6P-2M		6R6P-2ME 6R6P-2M3C	
Motor	Capacity of capacitor (μF)	3.5		0.8		0.6
	Power input (V)	Single phase 110	Single phase 115	Single phase 220	Single phase 230	Single phase 230
	Power frequency (Hz)	60				50
	Rated current (A)	0.29	0.30	0.13	0.14	0.15
	Starting torque (kgcm)	0.41		0.40		0.50
	Rated torque (kgcm)	0.42		0.41		0.51
	Rated speed (r/min)	1450		1550		1200
	Permissible inertia (GD <sup>2</sup> )	0.25 kgcm <sup>2</sup>				
	Ambient temperature	Single phase 110V/115V : -10~+50°C ; Single phase 220V/230V : -10~+40°C				
	Ambient humidity	Max.85%RH				
Braker	Power input (V)	Single phase 110	Single phase 115	Single phase 220	Single phase 230	Single phase 230
	Power frequency (Hz)	60				50
	Consumption current (A)	0.08	0.09	0.04	0.04	0.04
	Consumption power (W)	6.2				
	Static friction torque (kgcm)	1				

### ■ 6R6P-□M(E/3C)+6A□Series Gearhead Specs & Permissible Torque/Permissible Inertial Load(GD<sup>2</sup>)When Gearhead Attached

Gear ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30
60 Hz	Rotation speed (r/min)	600	500	360	300	240	200	180	144	120	100	90	72	60
	Permissible torque(kgcm) -1M,-2M type	1.1	1.4	1.9	2.3	2.8	3.4	3.8	4.7	5.7	6.8	8	9	11
50 Hz	Rotation speed (r/min)	500	417	300	250	200	167	150	120	100	83	75	60	50
	Permissible torque(kgcm) -2ME,-2M3C type	1.4	1.7	2.3	2.8	3.4	4.1	4.6	5.7	6.9	8.3	9	11	13
Permissible inertia load GD <sup>2</sup> (kgcm <sup>2</sup> )		2.3	3.3	6.3	9	14	20.3	25	39	56.3	81	100	156	225

Gear ratio		36	50	60	75	90	100	120	150	180	200	250	300	360
60 Hz	Rotation speed (r/min)	50	36	30	24	20	18	15	12	10	9	7	6	5
	Permissible torque(kgcm) -1M,-2M type	13	18	22	27	33	36	41	51	60				
50 Hz	Rotation speed (r/min)	42	30	25	20	17	15	13	10	8	8	6	5	4
	Permissible torque(kgcm) -2ME,-2M3C type	16	22	26	33	39	44	50	60					
Permissible inertia load GD <sup>2</sup> (kgcm <sup>2</sup> )		324	625				625							

※1 : Gearhead 6A□series , please enter the gear ratio 3~360 in the box□

※2 : 60Hz : The max synchronous speed is 1800r/min ; 50Hz : The max synchronous speed is 1500r/min

※3 : 「 Permissible torque 」 : It refers to the value of load torque driven by the gearhead's output.Each value is shown for the corresponding gear ratio.-1M type:It indicates 6R6P-□M is single phase 110V/115V 60Hz ; -2 type:Single phase 220V/230V 60Hz ; -2E/23C type:Single phase 230V 50Hz ; the other types please refer to the above table.

※4 : A colored   background indicates gear shaft rotation in the opposite direction as the motor shaft.No marking indicates rotation in the same direction

## ■ 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	
6R6S-□M(E/3C)	5	11	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	
6R6P-□M(E/3C)	3, 3.6, 5	10	15	3
	6, 7.5, 9, 10, 12.5, 15, 18, 20	15	20	
	25, 30, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200, 250, 300, 360	20	30	

## ■ Dimensions

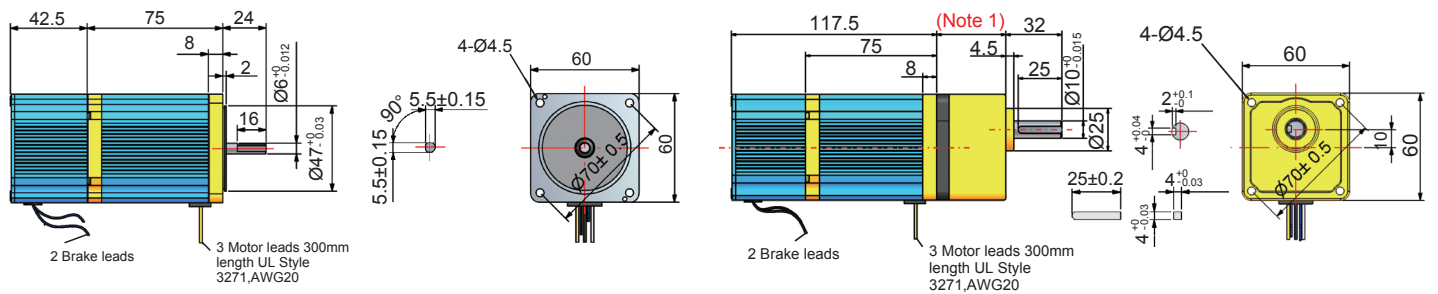
Unit : mm

Round shaft type 6R6S-□M(E/3C)

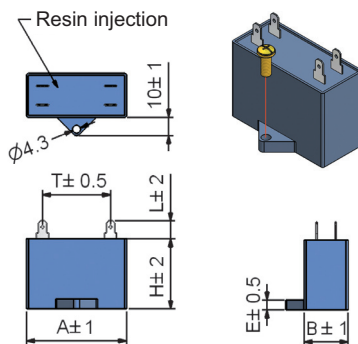
Motor Weight : 1410g

Pinion shaft type 6R6P-□M(E/3C)+6A□

Motor Weight : 1400g



## ■ Capacitor Dimensions (Included with single phase motors)



\*(Note 1)

6A□Gearhead Length/Weight		
Model	Length (mm)	Weight (g)
6A3~6A100	39.5	400
6A120~6A360	43.5	440

※We also have gearhead 6A□N with shaft Ø8. For details please refer to the P.4

Capacity of capacitor (µF/VAC)	A	B	H	L	T	E
3.5/250	37	14	23	10	24	4
0.8/450	37	14	23	8	24	4
0.6/450	37	14	23	7	24	4