

TG Series Spur Geared Type

5-Phase, 5-Lead Stepping Motors with Spur Gear

- Highly cost effective. 高效, 经济
- Available ratio : 1/7.2, 1/10, 1/20, 1/30.
- Backlash of about 15 mins.



TG Series

(A) after the unit # denotes single shaft configuration. (B) after the unit # denotes thru-shaft configuration.

MOTOR SIZE (mm) 马达体型	MOTOR TYPE 马达于驱动器的组合	MAX. HOLDING TORQUE oz-in (kgcm) 静力矩	MAX. ALLOWABLE TORQUE oz-in (kgcm) 静力矩	ROTOR INERTIA oz-in ² (g cm ²) 转子惯量	STEP ANGLE FULL/HALF 步矩角 整步/半步	GEAR RATIO 齿轮比	BACK-LASH min (deg)	PHASE CURRENT (A) 额定电流	MOTOR WEIGHT oz (kg) 马达重量
23 (60)	PS566TG07A(B)	347 (25)	347 (25)	1.09 (200)	0.1°/0.05°	1:7.2	15 (0.25°)	0.75	38.8 (1.1)
	PS566TG10A(B)	416 (30)	416 (30)	1.09 (200)	0.072°/0.036°	1:10	15 (0.25°)	0.75	38.8 (1.1)
	PS566TG20A(B)	486 (35)	486 (35)	1.09 (200)	0.036°/0.018°	1:20	10 (0.167°)	0.75	38.8 (1.1)
	PS566TG30A(B)	555 (40)	555 (40)	1.09 (200)	0.024°/0.012°	1:30	10 (0.167°)	0.75	38.8 (1.1)
34 (85)	PS596TG07A(B)	1250 (90)	1250 (90)	3.83 (700)	0.1°/0.05°	1:7.2	15 (0.25°)	1.4	93.5 (2.65)
	PS596TG10A(B)	1250 (90)	1250 (90)	3.83 (700)	0.072°/0.036°	1:10	15 (0.25°)	1.4	93.5 (2.65)
	PS596TG20A(B)	1667 (120)	1667 (120)	3.83 (700)	0.036°/0.018°	1:20	10 (0.167°)	1.4	93.5 (2.65)
	PS596TG30A(B)	1667 (120)	1667 (120)	3.83 (700)	0.024°/0.012°	1:30	10 (0.167°)	1.4	93.5 (2.65)

23 (60)	PF564TG07AC(BC)	347 (25)	347 (25)	0.96 (175)	0.1°/0.05°	1:7.2	15 (0.25°)	1.4	33.5 (0.95)
	PF564TG10AC(BC)	416 (30)	416 (30)	0.96 (175)	0.072°/0.036°	1:10	15 (0.25°)	1.4	33.5 (0.95)
	PF564TG20AC(BC)	486 (35)	486 (35)	0.96 (175)	0.036°/0.018°	1:20	10 (0.167°)	1.4	33.5 (0.95)
	PF564TG30AC(BC)	555 (40)	555 (40)	0.96 (175)	0.024°/0.012°	1:30	10 (0.167°)	1.4	33.5 (0.95)
34 (85)	PF596TG07AC(BC)	1250 (90)	1250 (90)	7.65 (1400)	0.1°/0.05°	1:7.2	15 (0.25°)	1.4	100.5 (2.85)
	PF596TG10AC(BC)	1250 (90)	1250 (90)	7.65 (1400)	0.072°/0.036°	1:10	15 (0.25°)	1.4	100.5 (2.85)
	PF596TG20AC(BC)	1667 (120)	1667 (120)	7.65 (1400)	0.036°/0.018°	1:20	10 (0.167°)	1.4	100.5 (2.85)
	PF596TG30AC(BC)	1667 (120)	1667 (120)	7.65 (1400)	0.024°/0.012°	1:30	10 (0.167°)	1.4	100.5 (2.85)

Other Specifications

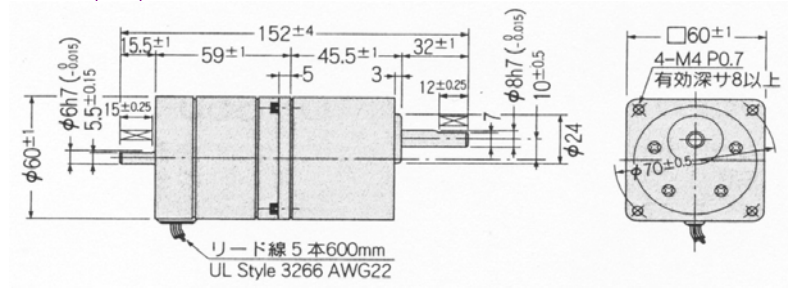
Motor Section

Maximum Allowable Shaft Radial Play 轴径向跳动	0.025 mm max. / load 0.5 Kg
Shaft Axial Play 轴向跳动	0.075 mm max. / load 1 Kg
Insulation Class 绝缘等级	Class B
Dielectric Strength 电干强度	No abnormality detected after the application of 0.5KV at 50Hz between motor windings and frame for duration of one minute.
Insulation Resistance 绝缘电阻	100 Mohms or better with 500V potential applied between motor windings and frame at normal ambient temperature and humidity.
Operating Environment Temperature 操作环境温度	0°C ~ +50°C

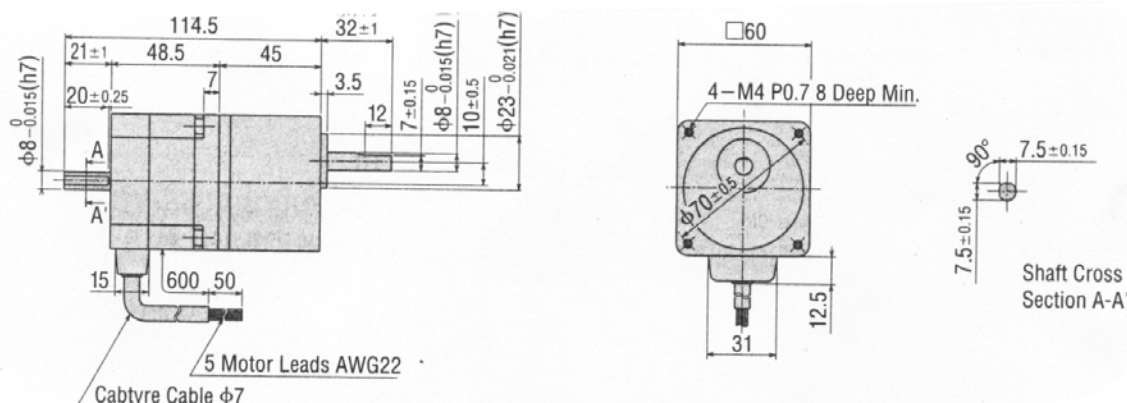
Dimensions 外形尺寸

(all dimensions in mm)

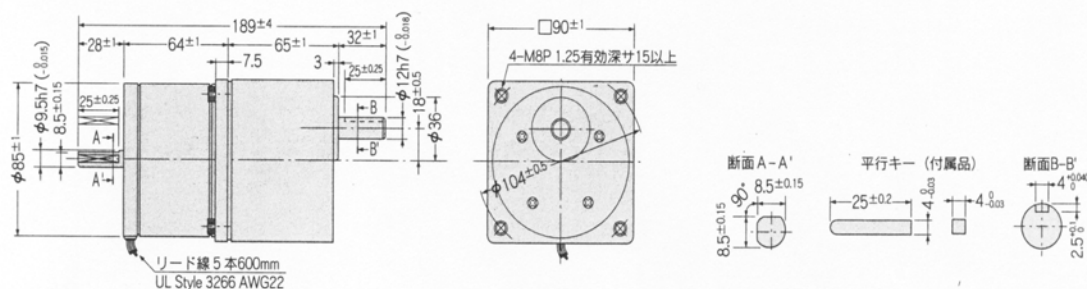
PS 566TG 07,10,20 B motor



PF 564TG 07,10,20 BC motor



PS 596TG 07,10,20 B motor



PF 596TG 07,10,20 BC motor

