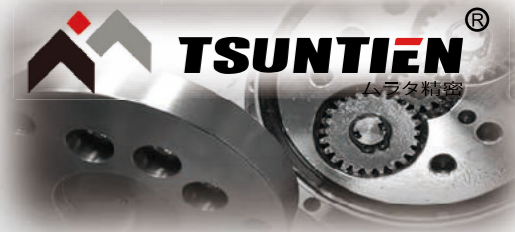


# TTRA-E 性能表

## TTRA-E TECHNICAL SPECIFICATION TABLE



TTRA -E Technical Specification Table

TTRA-E Technical Specification Table

Specification 規格		TTRA-6E		TTRA-7E		TTRA-25E		TTRA-45E		TTRA-80E		TTRA-135E		TTRA-165E		TTRA-325E		TTRA-450E		TTRA-700E	
Rotation 轉動方式		Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動	Shaft Run 軸轉動	Case Run 殼轉動
Ratio 減速比		40	41	40	41	40	41	35	36	40	41	50	51	50	51	59	60	59	60	59	60
		50	51	50	51	50	51	40	41	50	51	60	61	60	61	79	80	79	80	79	80
		-	-	59	60	59	60	50	51	59	60	79	80	79	80	99	100	99	100	99	100
		-	-	-	-	-	-	59	60	79	80	99	100	99	100	119	120	119	120	119	120
		-	-	-	-	-	-	79	80	99	100	-	-	-	-	-	-	139	140	139	140
Rated output torque 額定輸出扭矩	Nm kgf-m	60 (6.1)	83 (8.46)	245 (25)	460 (46.8)	784 (80)	1400 (136)	1615 (165)	3595 (366)	5100 (520)	7500 (765)										
Acceleration and braking torque 加速和制動扭矩	Nm kgf-m	180 (18.4)	249 (25.4)	735 (75)	1380 (140.8)	2352 (240)	4200 (428.4)	4845 (494.2)	10785 (1100)	15300 (1560.6)	22500 (2295)										
Instantaneous maximum allowable torque 瞬時最大允許轉矩	Nm kgf-m	300 (30.6)	415 (42)	1225 (125)	2300 (234.4)	3920 (400)	7000 (714)	8075 (823)	17975 (1830)	25500 (2600)	37500 (3826)										
Rated input speed 額定輸入速度	Nr (rpm)	2000	2000	2000	2000	2000	2000	1500	1500	1500	1500										
Allowable maximum input speed 瞬時容許最高輸入轉速	Nmax (rpm)	3000	3000	3000	3000	3000	2500	2500	2000	2000	2000										
Tilting stiffness 傾斜鋼度	Nm/arc.min kgf-m/arc.min	82 (8.3)	117 (12)	372 (38)	931 (95)	1176 (120)	1800 (183)	2940 (300)	4900 (500)	7448 (760)	11500 (1170)										
Torsional stiffness 扭轉鋼度	Nm/arc.min kgf-m/arc.min	18 (1.83)	20 (2)	49 (5)	108 (11)	196 (20)	361 (37)	392 (40)	980 (100)	1176 (120)	2320 (236)										
Max. lost motion 最大無效行程	(arc.min)	<3.0	<3.0	<2.0	<2.0	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5										
Angular transmission error 扭轉傳輸中角度偏移量	ATE (arc.sec)	80	80	40	40	40	40	40	40	40	50										
Back lash 背隙	Standard Backlash 標準背隙	(arc.min)	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0										
	Precision Backlash 精密背隙		<3.0	<3.0	<3.0	<3.0	<3.0	<2.0	<2.0	<2.0	<2.0										
	High Precision Backlash 超精密背隙		-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0										
Max. tilting moment 最大傾斜力矩	Nm kgf-m	282 (28.8)	392 (40)	1764 (180)	3332 (340)	4312 (440)	7230 (737)	7840 (800)	14112 (1440)	17640 (1800)	25950 (2645)										
Allowable moment 容許力矩	Nm	118	196	882	1666	2156	3620	3920	7056	8820	11025										
Max. axial force 最大軸向推力	N	885	1470	3920	5194	7840	13200	14700	19600	24500	35000										
(I=GD <sup>2</sup> /4)	Input inertia 輸入慣量 Kg-m <sup>2</sup>	1.65×10 <sup>-6</sup>	2.60×10 <sup>-6</sup>	1.08×10 <sup>-5</sup>	4.50×10 <sup>-5</sup>	8.16×10 <sup>-5</sup>	9.8×10 <sup>-5</sup>	1.9×10 <sup>-4</sup>	6×10 <sup>-4</sup>	9×10 <sup>-4</sup>	8.1×10 <sup>-4</sup>										
		1.46×10 <sup>-6</sup>	1.85×10 <sup>-6</sup>	0.65×10 <sup>-5</sup>	3.75×10 <sup>-5</sup>	6.1×10 <sup>-5</sup>	7.8×10 <sup>-5</sup>	1.8×10 <sup>-4</sup>	5.4×10 <sup>-4</sup>	7.3×10 <sup>-4</sup>	7.8×10 <sup>-4</sup>										
		-	1.66×10 <sup>-6</sup>	0.45×10 <sup>-5</sup>	2.4×10 <sup>-5</sup>	4.9×10 <sup>-5</sup>	6.1×10 <sup>-5</sup>	1.78×10 <sup>-4</sup>	4×10 <sup>-4</sup>	6×10 <sup>-4</sup>	7.7×10 <sup>-4</sup>										
		-	-	-	1.75×10 <sup>-5</sup>	4.1×10 <sup>-5</sup>	5.5×10 <sup>-5</sup>	1.51×10 <sup>-4</sup>	2.8×10 <sup>-4</sup>	4.8×10 <sup>-4</sup>	5×10 <sup>-4</sup>										
		-	-	-	1.5×10 <sup>-5</sup>	3.2×10 <sup>-5</sup>	-	-	-	4.2×10 <sup>-4</sup>	5×10 <sup>-4</sup>										
Weight 重量	KG	1.5	4.5	8.5	12	29	32.5	37	65	81	200										

PS:需要上述速比之外的減速比時，請洽詢本公司，電機轉速超出額定輸入轉速時，運轉噪音將會提高，請注意減速機容許負載使用表面溫度需低於70°C。

Please contact us for other ratio selections. Please be noted that the noise will be increased when the input speed (RPM:revolution per minute)of motor is higher than rated input speed; the operating temperature and motor service temperature should be under 70°C

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