

TTRA-E 性能表 TTRA-E TECHNICAL SPECIFICATION TABLE

TTRA-E Technical Specification Table							
Specification 規 格		TTRA-5E		TTRA-7E		TTRA-25E	
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
Ratio 減速比		40	41	29	30	35	36
		50	51	35	36	40	41
		—	—	40	41	50	51
		—	—	50	51	60	61
		—	—	59	60	79	80
Rated Output Torque 額定輸出扭矩	Nm kgf-m	60 (6.1)		83 (8.46)		245 (25)	
Acceleration & Braking Torque 加速和制動扭矩	Nm kgf-m	97.5 (9.9)		136 (14)		515 (52)	
Instantaneous Max. Allowable Torque 瞬時最大容許轉矩	Nm kgf-m	245 (25)		415 (42)		1000 (102)	
Rated Input Speed 額定輸入轉速	Nr (rpm)	2000		2000		2000	
Rated Lifetime 額定壽命	Hr	6000		6000		6000	
Allowable Max. Input Speed 瞬時容許最高輸入轉速	Nmax (rpm)	3000		3000		3000	
Tilting Stiffness 傾斜鋼度	Nm/arc.min kgf-m/arc.min	82 (8.3)		117 (12)		372 (38)	
Torsional Stiffness 扭轉鋼度	Nm/arc.min kgf-m/arc.min	18 (1.83)		20 (2)		49 (5)	
Max. Lost Motion 最大無效行程	(arc.min)	<3.0		<3.0		<2.0	
Angular Transmission Error 扭轉傳輸中角度偏移量	ATE (arc.sec)	40		80		40	
Backlash 背隙	Standard Backlash 標準背隙	(arc.min)	<5.0	<5.0		<5.0	
	Precision Backlash 精密背隙		<3.0	<3.0		<3.0	
	High Precision Backlash 超精密背隙		-	-		-	
Maximum Tilting Moment 最大傾斜力矩	Nm kgf-m	282 (28.8)		392 (40)		1764 (180)	
Rated Radial Force 額定徑向力	Nm	118		196		882	
Max. Axial Force 最大軸向推力	N	885		1470		3920	
(I=GD ² /4) Input Inertia Kg-m ² 輸入慣量		1.65×10 ⁻⁶		2.60×10 ⁻⁶		1.08×10 ⁻⁵	
		1.46×10 ⁻⁶		1.85×10 ⁻⁶		0.65×10 ⁻⁵	
		—		1.66×10 ⁻⁶		0.45×10 ⁻⁵	
		—		—		—	
		—		—		—	
Weight 重量	KG	1.5		4.5		8.5	

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.