

Servo Energy Saving Toggle Machine -

TMC E-SE Series 伺服節能曲肘式

Machine Model Number	機器型號		TMC 60E-SE			TMC 90E-SE			TMC 120E-SE			TMC 150E-SE			TMC 200E-SE			TMC 250E-SE			TMC 350E-SE			TMC 500E-SE			TMC 750E-SE			TMC 1000E-SE			
International Size Code	國際標準規格編碼		600/170			900/280			1200/460			1500/640			2000/1160			2500/1763			3500/3213			5000/4878			7500/6920			10000/11170			
A. Injection Unit Code	射出系統編碼		290			280			460			640			1160			1763			3213			4878			6920			11170			
1. Screw size	螺桿		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
2. Screw diameter	螺桿直徑	mm	25	30	32	32	35	40	35	40	45	40	45	50	50	55	60	55	60	65	70	75	80	80	85	95	95	100	110	110	120	130	
3. Screw length to diameter ratio	螺桿長徑比	L/D	24	20	19	21.9	20	18	22.9	20	18	22.5	20	18	22	20	18	21.8	20	19	21.4	20	18.8	21.3	20	18	21	20	18	21.8	20	19	
4. Injection pressure @ 170bar	射出壓力 @ 170bar	bar	2828	1964	1726	2324	1943	1488	2664	2040	1612	2529	1998	1618	2370	1959	1646	2473	2078	1771	2385	2078	1826	2426	2149	1720	2170	1958	1618	2261	1900	1619	
5. Injection stroke	射出行程	mm	120			150			180			180			250			300			350			400			450			520			
6. Calculated injection volume	理論射出容積	cm³	59	85	97	121	144	188	173	226	286	226	286	353	491	594	707	713	848	995	1347	1546	1759	2011	2270	2835	3190	3534	4277	4942	5881	6902	
7. Injection capacity (PS)	射出量 (PS)	g/min	54	78	89	111	133	173	159	208	263	208	263	325	452	546	650	656	780	916	1239	1423	1619	1850	2088	2608	2935	3252	3934	4546	5411	6350	
8. Plasticizing rate (LS / HT)	理論塑化能力 (低速／高扭)	kg/hr	25	36	44	42	53	79	62	92	124	84	114	151	109	140	177	119	151	188	183	221	258	148	171	230	281	318	411	343	548	806	
	(HS / LT)	(高速／低扭)	kg/hr	31	46	55	53	67	99	72	106	143	97	131	174	129	166	210	150	190	237	227	274	319	212	245	330	386	437	564	431	690	1015
9. Injection rate (@ 70kg/cm²)	射出率 (@ 70kg/cm²)	cm³/sec	80	115	131	117	140	183	138	180	227	180	227	281	240	290	345	230	274	322	296	340	387	352	397	496	525	581	703	703	837	982	
10. Injection speed	射出速度	mm/sec	163			146			143			143			122			97			80			70			74			74			
11. Screw speed / torque (LS / HT)	螺桿轉速 (低速／高扭)	rpm/Nm	320/560			306/700			357/805			326/1091			236/1876			201/2212			164/3402			94/7140			115/7742			124/10240			
	(HS / LT)	(高速／低扭)	400/447			384/560			411/700			377/945			280/1582			253/1750			203/2741			135/4928			158/5600			156/6270			
12. Nozzle force	射嘴封閉力	kN	60			60			60			60			60			60			96			96			125			125			
13. Heating input power	電熱加熱功率	kW	5.5			6.5			8.2			9.3			15			19.2			32			41			50			82			
14. Barrel heating zones	料管加熱段數	no.	3 + 2			3 + 2			3 + 2			3 + 2			3 + 2			3 + 2			4 + 2			4 + 2			4 + 2			4 + 2			
B. Clamping Unit Code	開合模系統編碼		600			900			1200			1500			2000			2500			3500			5000			7500			10000			
1. Clamping force	合模力	kN	600			900			1200			1500			2000			2500			3500			5000			75000			10000			
2. Mold opening stroke	最大開模行程	mm	270			300			350			380			430			510			640			820			1000			1150			
3. Open daylight (Std. / T-slot)	模板全開距離 (標準／T型溝)	mm	590/560			660/630			775/745			880/850			980/950			1110/1070			1390/1350			1720/1680			2000/1950			2350/2300			
4. Die-height available (Std.)	容模尺寸 (標準)	mm	100~320			150~360			150~425			150~500			200~550			120~520			300~750			350~900			400~1000			600~1200			
	(T-Slot)	(T型溝)	70~290			120~330			120~395			120~470			170~520			160~560			260~710			310~860			350~950			550~1150			
5. Size of platens (H × V)	模板尺寸 (高×寬)	mm	500×500			590×590			640×640			670×670			760×760			850×850			1050×1050			1250×1250			1500×1500			1700×1700			
6. Space between tie-bars	柱內間距	mm	320×320			400×400			425×425			460×460			510×510			580×580			710×710			850×850			1000×1000			1150×1150			
7. Tie-bar diameter	哥林柱直徑	mm	55			65			75			80			90			100			120			150			180			200			
8. Ejector force	頂出力	kN	44			44			44			44			70			70			90			110			170			215			
9. Ejector stroke	頂出行程	mm	80			80			100			100			120			140			180			200			240			260			
C. General	其它																																
1. Pump motor power	馬達泵浦功率	kW(hp)	10(13)			10(13)			16(21)			22(29)			25(33)			25(33)			30(40)			30(40)			37(49)			22+37(79)			
2. Hydraulic system pressure	系統最高壓力	bar	170			170			170			170			170			170			170			170			170			170			
3. Total installed power	機器總功率	kW	15.5			16.5			24.2			31.3			40			44.2			62			71			87			141			
4. Oil tank capacity	油箱容量	liter	260			260			300			310			500			600			800			1000			1400			1800			
5. Hopper capacity	標準料斗容量	kg	25			50			50			50			50			100			100			100			200			200			
6. Total machine weight (approx.)	機械重量	kg	3100			3800			5200			5800			8000			10000			16000			25000			40000			60000			
7. Machine dimensions (L×W×H)	機械尺寸 (長×寬×高)	m	3.90×1.14×1.85			4.10×1.24×1.90			4.40×1.29×1.95			4.57 ×1.32×1.97			5.44×1.40×2.19			5.85×1.50×2.23			7.39×1.80×2.36			8.68×1.98×2.53			10.7×2.15×2.85			11.97×2.43×3.06			