



# INJECTION MOLDING MACHINES

		Model/Size	TMC 500 E-1		
A. INJECTION UNIT			A	B	C
1.	Screw Diameter	in.	3.15	3.35	3.74
2.	Screw Length to Dia. Ratio	L/D	21.2	20	17.8
3.	Injection Pressure-Max	psi	27871	24686	19776
4.	Injection Stroke	in.	15.7	15.7	15.7
5.	Calculated Injection Volume	cu. in.	122.6	138.4	172.9
6.	Injection Capacity (P.S.)	oz.	65.22	73.62	91.96
7.	Plasticizing Capacity*	LS/HT	lb./hr.	457	699
		HS/LT	lb./hr.	598	914
8.	Injection Rate at 1000 psi	cu. in./sec.	22.15	24.95	31.24
9.	Standard Screw Speed*	LS/HT	rpm./ft.-lb.	100/4810	
		HS/LT	rpm./ft.-lb.	150/3291	
10.	Back Pressure Adj. Range	psi	0-1000		
11.	Nozzle Force	U.S. Ton	10.6		
12.	Heating Input Power	kw.	41		
13.	Barrel Heating Zones	No.	4 + 1		
B. CLAMPING UNIT					
14.	Clamping Force	U.S. Ton	550		
15.	Mold Opening Stroke	in.	32.28		
16.	Open Daylight	in.	67.71		
17.	Die-height Available	in.	13.78 - 35.43		
18.	Sizes of Platens (H x W)	in.	49.21 x 49.21		
19.	Space Between Tie-Bars	in.	33.46 x 33.46		
20.	Ejector Force	U.S. Ton	12.1		
21.	Ejector Stroke	in.	7.87		
C. GENERAL					
22.	Pump Motor Power	kw.	56		
23.	Hydraulic System Pressure	psi	2000		
24.	Total Installed Power	kw.	97		
25.	Maximum Amp. Draw	230 V	A	421.8	
		460 V	A	210.9	
26.	Oil Tank Capacity	G	265		
27.	Hopper Capacity	lbs.	200		
28.	Total Machine Weights (approx.)	lbs.	55100		
29.	Machine Dimensions (LxWxH)	ft.	29.5 x 5.9 x 8.8		