



INJECTION MOLDING MACHINES

		Model/Size	TMC 250E			
A. INJECTION UNIT			A	B	C	
1.	Screw Diameter	in.	2.17	2.36	2.56	
2.	Screw Length to Dia. Ratio	L/D	21.8	20	18.4	
3.	Injection Pressure-Max	psi	28952	24330	20773	
4.	Injection Stroke	in.	11.8	11.8	11.8	
5.	Calculated Injection Volume	cu. in.	43.44	51.74	60.71	
6.	Injection Capacity (P.S.)	oz.	23.21	27.65	32.31	
7.	Plasticizing Capacity*	LS/HT	lb./hr.	223	272	328
		HS/LT	lb./hr.	280	340	410
8.	Injection Rate at 1000 psi	cu. in./sec.	11.17	13.30	15.62	
9.	Standard Screw Speed*	LS/HT	rpm./ft.-lb.	160/1649		
		HS/LT	rpm./ft.-lb.	200/1273		
10.	Back Pressure Adj. Range	psi	0-1000			
11.	Nozzle Force	U.S. Ton	6.6			
12.	Heating Input Power	kw.	19			
13.	Barrel Heating Zones	No.	3 + 1			
B. CLAMPING UNIT						
14.	Clamping Force	U.S. Ton	275			
15.	Mold Opening Stroke	in.	20			
16.	Open Daylight	in.	43.62			
17.	Die-height Available	in.	7.87 - 23.62			
18.	Sizes of Platens (H x W)	in.	33.46 x 33.46			
19.	Space Between Tie-Bars	in.	22.05 x 22.05			
20.	Ejector Force	U.S. Ton	7.7			
21.	Ejector Stroke	in.	5.51			
C. GENERAL						
22.	Pump Motor Power	kw.	30			
23.	Hydraulic System Pressure	psi	2000			
24.	Total Installed Power	kw.	49			
25.	Maximum Amp. Draw	230 V	A	213.1		
		460 V	A	106.6		
26.	Oil Tank Capacity	G	160			
27.	Hopper Capacity	lbs.	150			
28.	Total Machine Weights (approx.)	lbs.	22100			
29.	Machine Dimensions (LxWxH)	ft.	21.6 x 4.3 x 7.6			