



# INJECTION MOLDING MACHINES

		Model/Size	TMC 120 E1			
A. INJECTION UNIT			A	B	C	
1.	Screw Diameter	in.	1.38	1.58	1.77	
2.	Screw Length to Dia. Ratio	L/D	22.8	20	17.7	
3.	Injection Pressure-Max	psi	31170	23989	18870	
4.	Injection Stroke	in.	7.1	7.1	7.1	
5.	Calculated Injection Volume	cu. in.	10.56	13.79	17.45	
6.	Injection Capacity (P.S.)	oz.	5.64	7.37	9.31	
7.	Plasticizing Capacity*	LS/HT	lb./hr.	84	114	159
		HS/LT	lb./hr.	110	150	209
8.	Injection Rate at 1000 psi	cu. in./sec.	4.88	6.35	8.06	
9.	Standard Screw Speed*	LS/HT	rpm./ft.-lb.	180/687		
		HS/LT	rpm./ft.-lb.	250/484		
10.	Back Pressure Adj. Range	psi	0-1000			
11.	Nozzle Force	U.S. Ton	6.6			
12.	Heating Input Power	kw.	8.2			
13.	Barrel Heating Zones	No.	3 + 1			
B. CLAMPING UNIT						
14.	Clamping Force	U.S. Ton	132			
15.	Mold Opening Stroke	in.	13.78			
16.	Open Daylight	in.	30.51			
17.	Die-height Available	in.	5.91 - 16.73			
18.	Sizes of Platens (H x W)	in.	25.2 x 25.2			
19.	Space Between Tie-Bars	in.	16.73 x 16.73			
20.	Ejector Force	U.S. Ton	4.8			
21.	Ejector Stroke	in.	3.94			
C. GENERAL						
22.	Pump Motor Power	kw.	15			
23.	Hydraulic System Pressure	psi	2000			
24.	Total Installed Power	kw.	23			
25.	Maximum Amp. Draw	230 V	A	100		
		460 V	A	50		
26.	Oil Tank Capacity	G	80			
27.	Hopper Capacity	lbs.	80			
28.	Total Machine Weights (approx.)	lbs.	11500			
29.	Machine Dimensions (LxWxH)	ft.	16.7 x 3.9 x 6.7			