



# INJECTION MOLDING MACHINES

		Model/Size	TMC 1000 E-1	
<b>A. INJECTION UNIT</b>			<b>B</b>	
1.	Screw Diameter	in.	4.72	
2.	Screw Length to Dia. Ratio	L/D	20	
3.	Injection Pressure-Max	psi	23093	
4.	Injection Stroke	in.	20.5	
5.	Calculated Injection Volume	cu. in.	358	
6.	Injection Capacity (P.S.)	oz.	190.76	
7.	Plasticizing Capacity*	LS/HT	lb./hr.	952
		HS/LT	lb./hr.	1285
8.	Injection Rate at 1000 psi	cu. in./sec.	53.69	
9.	Standard Screw Speed*	LS/HT	rpm./ft.-lb.	120/6922
		HS/LT	rpm./ft.-lb.	170/4810
10.	Back Pressure Adj. Range	psi	0-1000	
11.	Nozzle Force	U.S. Ton	13.8	
12.	Heating Input Power	kw.	81	
13.	Barrel Heating Zones	No.	4 + 1	
<b>B. CLAMPING UNIT</b>				
14.	Clamping Force	U.S. Ton	1100	
15.	Mold Opening Stroke	in.	45.28	
16.	Open Daylight	in.	92.52	
17.	Die-height Available	in.	23.62 - 47.24	
18.	Sizes of Platens (H x W)	in.	66.93 x 66.93	
19.	Space Between Tie-Bars	in.	45.28 x 45.28	
20.	Ejector Force	U.S. Ton	23.7	
21.	Ejector Stroke	in.	10.23	
<b>C. GENERAL</b>				
22.	Pump Motor Power	kw.	112.5	
23.	Hydraulic System Pressure	psi	2000	
24.	Total Installed Power	kw.	193.5	
25.	Maximum Amp. Draw	230 V	A	841.3
		460 V	A	420.7
26.	Oil Tank Capacity	G	420	
27.	Hopper Capacity	lbs.	265	
28.	Total Machine Weights (approx.)	lbs.	132000	
29.	Machine Dimensions (LxWxH)	ft.	42.6 x 7.7 x 9.0	