



# INJECTION MOLDING MACHINES

		Model/Size	TMC 150-E1		
A. INJECTION UNIT			A	B	C
1.	Screw Diameter	in.	1.58	1.77	1.97
2.	Screw Length to Dia. Ratio	L/D	22.5	20	18
3.	Injection Pressure-Max	psi	29572	23392	18913
4.	Injection Stroke	in.	7.1	7.1	7.1
5.	Calculated Injection Volume	cu. in.	13.79	17.45	21.54
6.	Injection Capacity (P.S.)	oz.	7.34	9.28	11.46
7.	Plasticizing Capacity*	LS/HT	lb./hr.	143	258
		HS/LT	lb./hr.	190	344
8.	Injection Rate at 1000 psi	cu. in./sec.	6.49	8.19	10.09
9.	Standard Screw Speed*	LS/HT	rpm./ft.-lb.	195/788	
		HS/LT	rpm./ft.-lb.	225/687	
10.	Back Pressure Adj. Range	psi	0-1000		
11.	Nozzle Force	U.S. Ton	6.6		
12.	Heating Input Power	kw.	9.3		
13.	Barrel Heating Zones	No.	3 + 1		
<b>B. CLAMPING UNIT</b>					
14.	Clamping Force	U.S. Ton	165		
15.	Mold Opening Stroke	in.	14.96		
16.	Open Daylight	in.	34.65		
17.	Die-height Available	in.	5.91 - 19.7		
18.	Sizes of Platens (H x W)	in.	26.38 x 26.38		
19.	Space Between Tie-Bars	in.	17.72 x 17.72		
20.	Ejector Force	U.S. Ton	4.8		
21.	Ejector Stroke	in.	3.94		
<b>C. GENERAL</b>					
22.	Pump Motor Power	kw.	18.75		
23.	Hydraulic System Pressure	psi	2000		
24.	Total Installed Power	kw.	28.65		
25.	Maximum Amp. Draw	230 V	A	124.6	
		460 V	A	62.3	
26.	Oil Tank Capacity	G	82		
27.	Hopper Capacity	lbs.	80		
28.	Total Machine Weights (approx.)	lbs.	12800		
29.	Machine Dimensions (LxWxH)	ft.	17.1 x 3.9 x 6.7		