

TMC 150 Ton Machine



		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	199	258
		HS/LT lb./hr.	190	265	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. CLAMPING UNIT					
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		
C. GENERAL					
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		

TMC 250 Ton Machine



		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.	180/1649		
		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.	7.67 - 23.62		
18.	Sizes of Platens (H x W)	in.	33.48 x 33.48		
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	180		
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		

TMC 350 Ton Machine



		Model/Size	TMC 350 E-1		
A. INJECTION UNIT			A	B	C
1.	Screw Diameter	in.	2.76	2.95	3.15
2.	Screw Length to Dia. Ratio	L/D	21.4	20	18.7
3.	Injection Pressure-Max	psi	28440	24842	21828
4.	Injection Stroke	in.	13.8	13.8	13.8
5.	Calculated Injection Volume	cu. in.	82.12	94.26	107.26
6.	Injection Capacity (P.S.)	oz.	43.70	50.44	57.07
7.	Plasticizing Capacity*	LS/HT lb./hr.	431	510	580
		HS/LT lb./hr.	509	603	686
8.	Injection Rate at 1000 psi	cu. in./sec.	17.69	20.62	23.49
9.	Standard Screw Speed*	LS/HT rpm./ft.-lb.	185/2460		
		HS/LT rpm./ft.-lb.	210/1917		
10.	Back Pressure Adj. Range	psi	0-1000		
11.	Nozzle Force	U.S. Ton	10.6		
12.	Heating Input Power	kw.	32		
13.	Barrel Heating Zones	No.	4 + 1		
B. CLAMPING UNIT					
14.	Clamping Force	U.S. Ton	385		
15.	Mold Opening Stroke	in.	25.2		
16.	Open Daylight	in.	54.73		
17.	Die-height Available	in.	11.8 - 29.53		
18.	Sizes of Platens (H x W)	in.	41.34 x 41.34		
19.	Space Between Tie-Bars	in.	27.95 x 27.95		
20.	Ejector Force	U.S. Ton	9.9		
21.	Ejector Stroke	in.	7.09		
C. GENERAL					
22.	Pump Motor Power	kw.	45		
23.	Hydraulic System Pressure	psi	2000		
24.	Total Installed Power	kw.	77		
25.	Maximum Amp. Draw	230 V A	334.8		
		460 V A	167.4		
26.	Oil Tank Capacity	G	210		
27.	Hopper Capacity	lbs.	200		
28.	Total Machine Weights (approx.)	lbs.	35300		
29.	Machine Dimensions (LxWxH)	ft.	24.9 x 5.4 x 8.2		