

HT Model 650

Demag Plastics Group				
Model Description	HT Model 650			
International Size Description	2800 4300 6800			

Clamp Unit				
Clamp Force	U.S. tons kN	650	5,785	
Clamp Stroke - Max.	in. mm	35.5	902	
Open Daylight - Max.	in. mm	69.5	1,765	
Mold Thickness - Min.	in. mm	12	305	
Distance Between Tie Bars				
Horizontal	in. mm	36	914	
Vertical	in. mm	36	914	
Platen Size				
Horizontal (Standard)	in. mm	53	1,346	
Vertical	in. mm	53	1,346	
Tie Bar Diameter	in. mm	6.25	159	
Clamp Speeds				
Closing	in./sec. mm/sec	22	559	
Opening	in./sec. mm/sec	29	737	
Ejector Force	U.S. tons kN	19.6	175	
Ejector Stroke	in. mm	8.0	203	

Injection Unit		2800		4300		6800	
	Measure	Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	59.2	45.3	89.6	63.5	139.1	103.7
	g	1,678	1,285	2,540	1,801	3,943	2,941
Injection Capacity	cu. in.	108.6	83.1	164.4	116.6	255.2	190.3
	ccm	1,779	1,362	2,694	1,910	4,181	3,119
Recovery Rate (GPPS)	oz./sec.	3.04	3.15	3.77	3.67	4.43	3.55
	g/sec	86.3	89.3	106.9	104.0	125.5	100.6
Injection Pressure	psi	22,656	29,592	23,136	32,625	23,488	31,490
	bar	1,562	2,040	1,595	2,249	1,619	2,171
Injection Rate (@ 10,000 psi)	cu. in./sec.	54.6	41.8	53.5	37.9	52.7	39.3
Injection Rate (@ 700 bar)	ccm/sec	895	685	876	621	863	644
Injection Stroke	in.	13.9	13.9	15.0	15.0	17.3	17.3
	mm	354	354	380	380	440	440
Screw Diameter	in.	3.15	2.76	3.74	3.15	4.33	3.74
	mm	80	70	95	80	110	95
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	179	286	151	216	130	142
Back Pressure Adjust	psi	50-300	50-300	50-300	50-300	50-300	50-300
	bar	5-21	5-21	5-21	5-21	5-21	5-21
Barrel Heating Capacity	kW	38.0	34.06	56.0	42.8	63.1	53.8

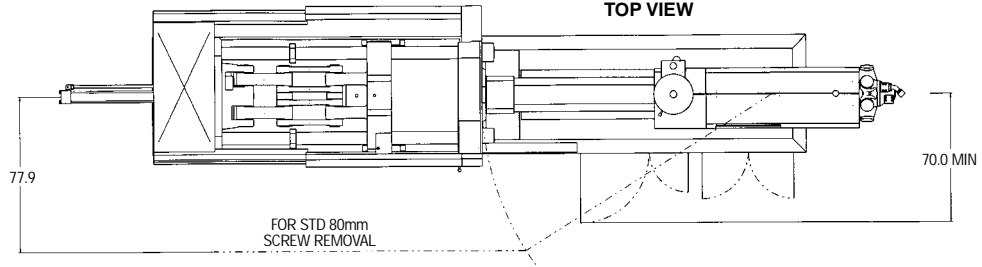
General Machine Specifications		2800		4300		6800	
	Measure						
Length	ft. m	32.3	9.8	34.5	10.5	36.3	11.1
Width	ft. m	7.0	2.1	7.0	2.1	7.0	2.1
Height	ft. m	8.1	2.5	8.1	2.5	8.1	2.5
Machine Weight (approx.)	lb. kg	65,000	29,510	65,000	29,510	65,000	29,510

Performance specifications are based on theoretical data and mold, material and conditions. Since continuous improvement is Demag Plastics Group's policy, we reserve the right to change specifications, designs and performance data without prior notice or obligation.

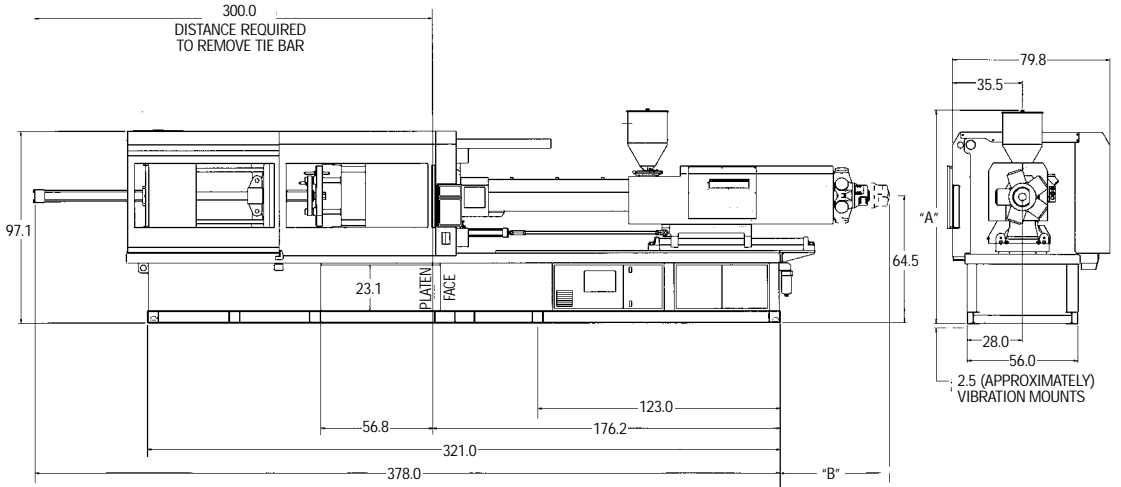
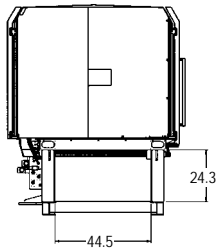
The specifications listed are standard. However, Demag Plastics Group will provide engineered options and solutions to meet virtually any performance requirements including high-pressure and high-speed configurations.

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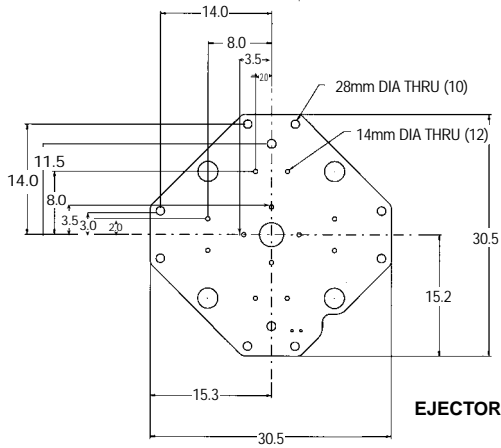
TOP VIEW



300.0
DISTANCE REQUIRED
TO REMOVE TIE BAR



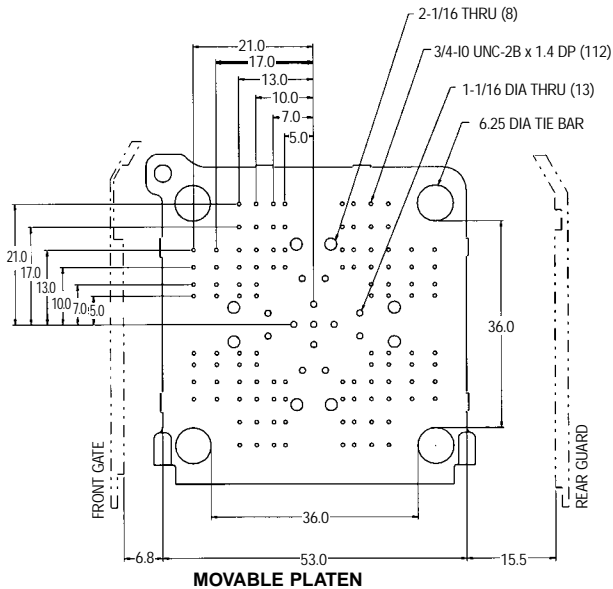
SIDE VIEW



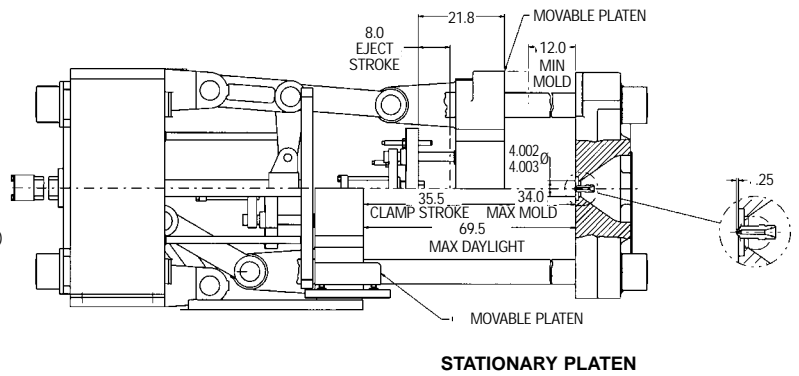
EJECTOR PLATE

Injection Unit	A (in.)	B (in.)
STANDARD BARREL		
80mm/2800	106.2	10.4
95mm/4300	107.2	36.0
110mm/6800	108.2	57.9

Note: Dimensions based on optional hopper.



MOVABLE PLATEN



STATIONARY PLATEN