

HT Model 500

Demag Plastics Group					
Model Description			HT Model 500		
International Size Description			1920	2800	4300
Clamp Unit					
Clamp Force	U.S. tons	kN	500	4,450	
Clamp Stroke - Max.	in.	mm	30	762	
Open Daylight - Max.	in.	mm	61	1,549	
Mold Thickness - Min.	in.	mm	10	254	
Distance Between Tie Bars					
Horizontal	in.	mm	32.5	826	
Vertical	in.	mm	32.5	826	
Platen Size					
Horizontal (Standard)	in.	mm	47.8	1,214	
Vertical	in.	mm	47.8	1,214	
Tie Bar Diameter	in.	mm	5.5	140	
Clamp Speeds					
Closing	in./sec.	mm/sec	23	584	
Opening	in./sec.	mm/sec	30	762	
Ejector Force	U.S. tons	kN	12.6	112	
Ejector Stroke	in.	mm	6.0	152	

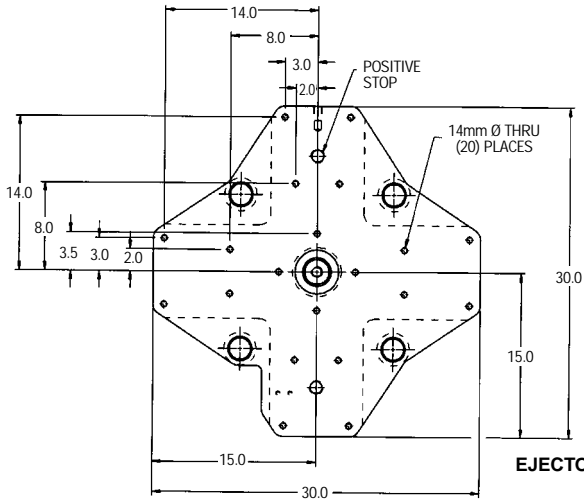
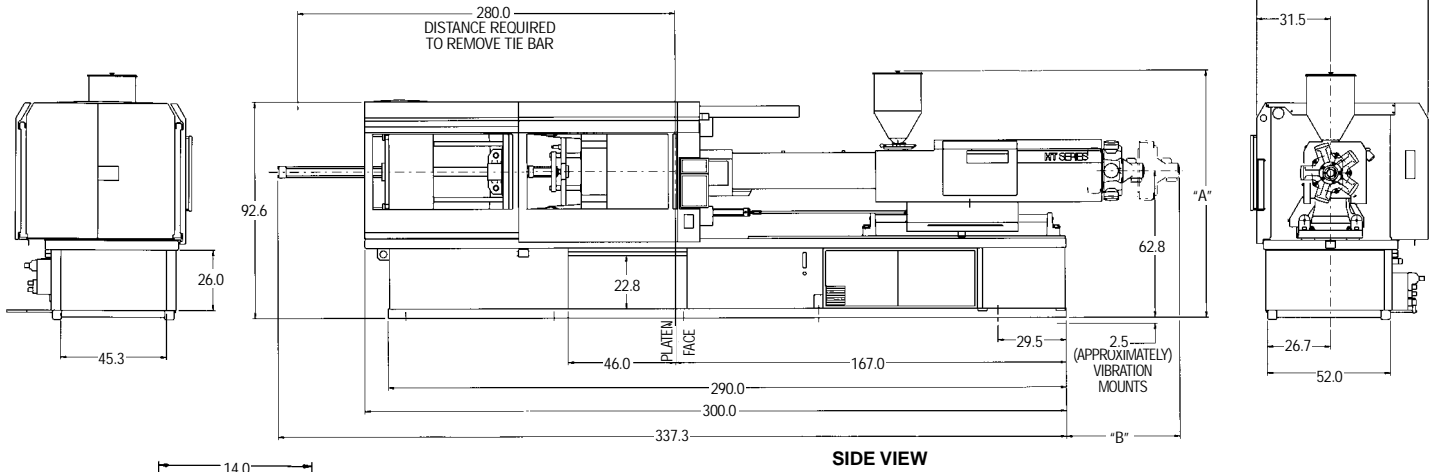
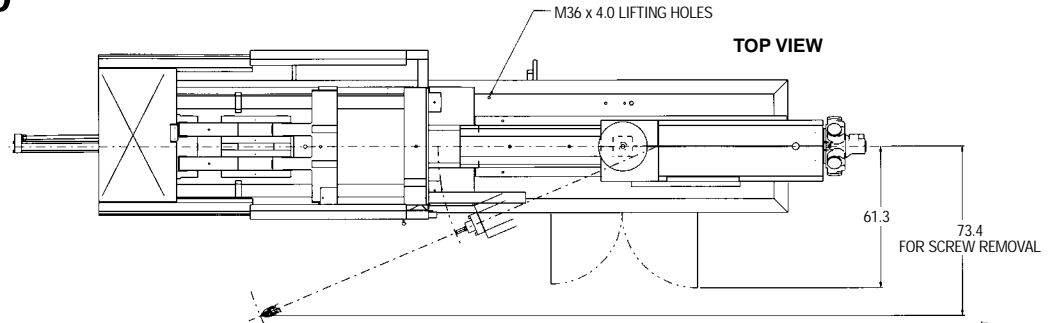
Injection Unit		1920		2800		4300	
	Measure	Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	40.3	29.6	59.2	45.3	89.6	63.5
	g	1,143	840	1,678	1,285	2,540	1,801
Injection Capacity	cu. in.	74.0	54.4	108.6	83.1	164.4	116.6
	ccm	1,212	891	1,779	1,362	2,694	1,910
Recovery Rate (GPPS)	oz./sec.	2.25	2.36	3.04	2.62	3.77	2.71
	g/sec	63.8	66.9	86.3	74.4	106.9	76.8
Injection Pressure	psi	22,916	31,191	22,656	29,592	23,136	32,625
	bar	1,580	2,151	1,562	2,040	1,595	2,249
Injection Rate (@ 10,000 psi)	cu. in./sec.	39.8	29.3	40.3	30.8	39.5	28.0
Injection Rate (@ 700 bar)	ccm/sec	653	480	660	505	646	458
Injection Stroke	in.	12.4	12.4	13.9	13.9	15.0	15.0
	mm	315	315	354	354	380	380
Screw Diameter	in.	2.76	2.36	3.15	2.76	3.74	3.15
	mm	70	60	80	70	95	80
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	205	337	179	238	151	159
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	33.4	25.6	38.0	34.0	56.0	42.8

General Machine Specifications		1920		2800		4300	
	Measure						
Length	ft. m	28.5	8.7	30.0	9.1	32.1	9.8
Width	ft. m	6.3	1.9	6.3	1.9	6.3	1.9
Height	ft. m	7.7	2.3	7.7	2.3	7.7	2.3
Machine Weight (approx.)	lb. kg	51,200	23,245	51,200	23,245	51,200	23,245

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.

HT Model 500



Injection Unit	A (in.)	B (in.)
STANDARD BARREL		
70mm/1920	99.2	4.7
80mm/2800	101.6	22.8
95mm/4300	105.5	48.2

Note: Dimensions based on optional hopper.

