

HT Model 400

Demag Plastics Group				
Model Description		HT Model 400		
International Size Description		1220	1920	2800

Clamp Unit				
Clamp Force	U.S. tons kN	400	3,560	
Clamp Stroke - Max.	in. mm	26	660	
Open Daylight - Max.	in. mm	54	1,372	
Mold Thickness - Min.	in. mm	8	203	
Distance Between Tie Bars				
Horizontal	in. mm	28	711	
Vertical	in. mm	28	711	
Platen Size				
Horizontal (Standard)	in. mm	42	1,067	
Vertical	in. mm	42	1,067	
Tie Bar Diameter	in. mm	5	127	
Clamp Speeds				
Closing	in./sec. mm/sec	24	610	
Opening	in./sec. mm/sec	32	813	
Ejector Force	U.S. tons kN	12.6	112	
Ejector Stroke	in. mm	6.0	152	

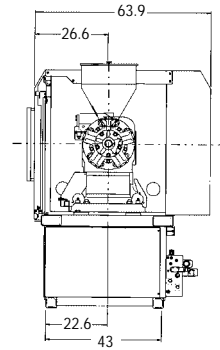
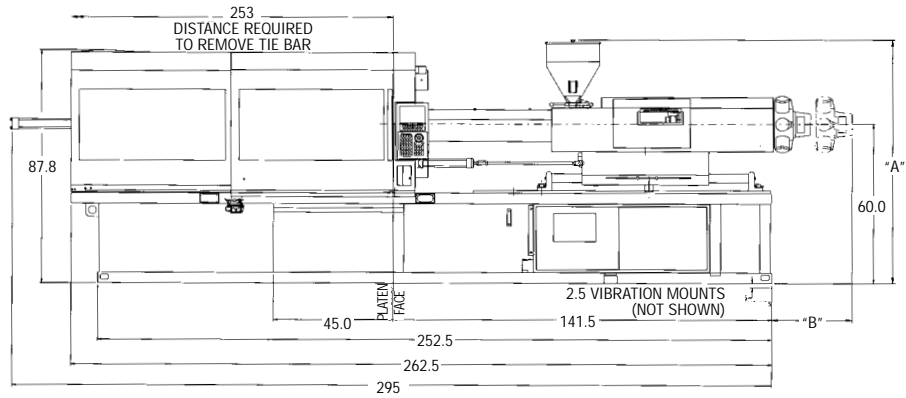
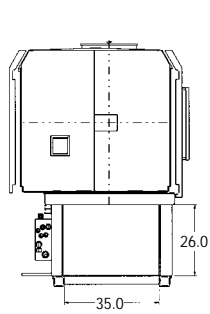
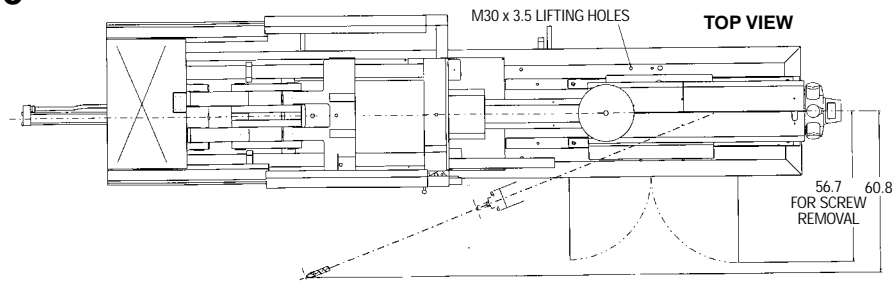
Injection Unit		1220		1920		2800	
	Measure	Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	25.4	17.6	40.3	29.6	59.2	45.3
	g	720	500	1,143	840	1,678	1,285
Injection Capacity	cu. in.	46.6	32.4	74.0	54.4	108.6	83.1
	ccm	763	530	1,212	891	1,779	1,362
Recovery Rate (GPPS)	oz./sec.	1.67	1.83	2.25	1.82	3.04	2.01
	g/sec	47.4	52.0	63.8	51.5	86.3	57.0
Injection Pressure	psi	23,264	33,501	22,916	31,191	22,656	29,592
	bar	1,604	2,310	1,580	2,151	1,562	2,040
Injection Rate (@ 10,000 psi)	cu. in./sec.	30.1	20.9	30.5	22.4	30.9	23.6
Injection Rate (@ 700 bar)	ccm/sec	493	342	500	367	506	387
Injection Stroke	in.	10.6	10.6	12.4	12.4	13.9	13.9
	mm	270	270	315	315	354	354
Screw Diameter	in.	2.36	1.97	2.76	2.36	3.15	2.76
	mm	60	50	70	60	80	70
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	239	382	205	259	179	183
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	21.7	17.9	33.4	25.6	38.0	34.0

General Machine Specifications		1220		1920		2800	
	Measure						
Length	ft. m	23.7	7.2	26.2	8.0	27.6	8.4
Width	ft. m	5.6	1.7	5.6	1.7	5.6	1.7
Height	ft. m	7.3	2.2	7.3	2.2	7.3	2.2
Machine Weight (approx.)	lb. kg	36,500	16,571	36,500	16,571	36,500	16,571

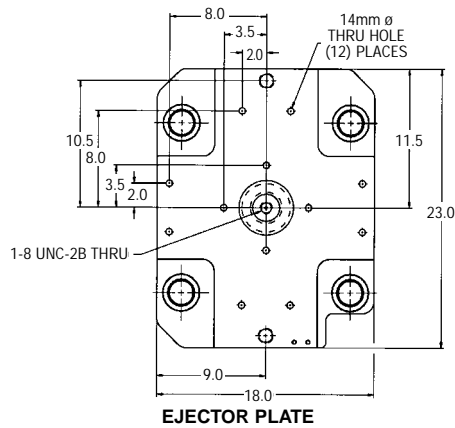
Performance specifications are based on theoretical data and mold, material and conditions. Since continuous improvement is Demag Plastics Group's policy, we reserve the right to change specifications, designs and performance data without prior notice or obligation.

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 400



SIDE VIEW



Injection Unit	A (in.)	B (in.)
STANDARD BARREL		
60mm/1220	98.0	—
70mm/1920	98.0	30.0
80mm/2800	102.0	46.0

Note: Dimensions based on optional hopper.

