

HT Model 120

Demag Plastics Group				
Model Description		HT Model 120		
International Size Description		260	330	500

Clamp Unit				
Clamp Force	U.S. tons kN	120	1,068	
Clamp Stroke - Max.	in. mm	14	356	
Open Daylight - Max.	in. mm	30	762	
Mold Thickness - Min.	in. mm	6	152	
Distance Between Tie Bars				
Horizontal	in. mm	17	432	
Vertical	in. mm	17	432	
Platen Size				
Horizontal (Standard)	in. mm	25	635	
Vertical	in. mm	25	635	
Tie Bar Diameter	in. mm	2.75	70	
Clamp Speeds				
Closing	in./sec. mm/sec	28	711	
Opening	in./sec. mm/sec	37	940	
Ejector Force	U.S. tons kN	4.9	44	
Ejector Stroke	in. mm	3.0	76	

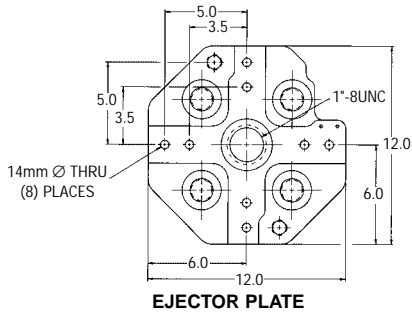
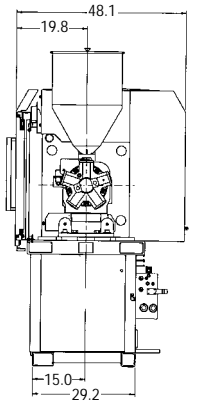
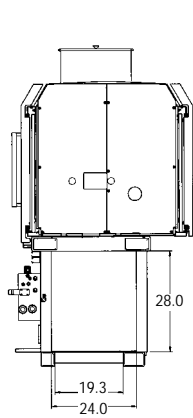
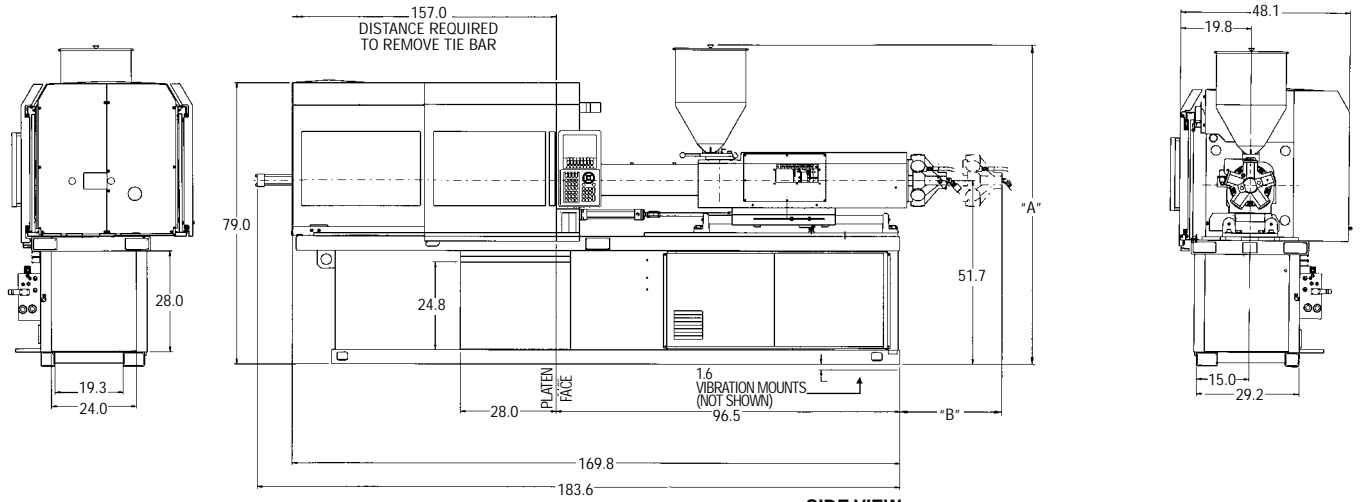
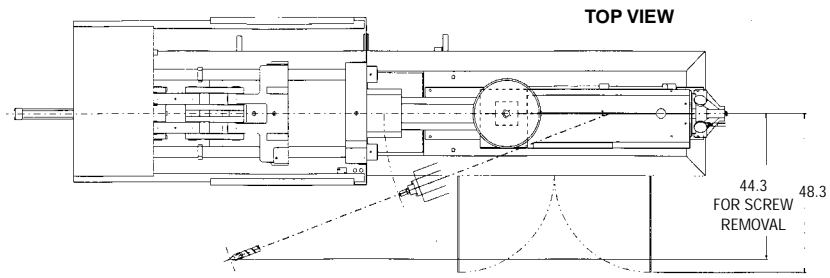
Injection Unit		260		330		500	
	Measure	Std.		Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	6		8	6.2	10.7	8.5
	g	183		229	176	304	241
Injection Capacity	cu. in.	11.9		14.8	11.4	19.7	15.6
	ccm	194		243	186	323	255
Recovery Rate (GPPS)	oz./sec.	0.83		0.82	0.76	1.18	0.96
	g/sec	23.5		23.3	21.6	33.4	27.3
Injection Pressure	psi	19,938		19,995	26,115	24,088	30,486
	bar	1,375		1,379	1,801	1,661	2,102
Injection Rate (@ 10,000 psi)	cu. in./sec.	11.4		11.4	8.7	11.0	8.7
Injection Rate (@ 700 bar)	ccm/sec	187		187	143	180	142
Injection Stroke	in.	6.75		7.63	7.63	8.0	8.0
	mm	171		194	194	203	203
Screw Diameter	in.	1.50		1.57	1.38	1.77	1.57
	mm	38		40	35	45	40
Screw L/D Ratio		20/1		20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	377		358	435	318	333
Back Pressure Adjust	psi	50-300		50-300	50-300	50-300	50-300
	bar	5-21		5-21	5-21	5-21	5-21
Barrel Heating Capacity	kW	8.1		8.9	8.1	10.3	9.5

General Machine Specifications		260		330		500	
	Measure						
Length	ft. m	15.3	4.7	15.3	4.7	15.3	4.7
Width	ft. m	4.3	1.3	4.3	1.3	4.3	1.3
Height	ft. m	6.6	2.0	6.6	2.0	6.6	2.0
Machine Weight (approx.)	lb. kg	13,000	5,902	13,000	5,902	13,000	5,902

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 120



Injection Unit	A (in.)	B (in.)
STANDARD BARREL		
38mm/6 oz.	73.5	—
40mm/8 oz.	86.0	7.2
45mm/500	89.5	28.8

Note: Dimensions based on optional hopper.

