

HT Model 230

Demag Plastics Group	
Model Description	HT Model 230
International Size Description	500 720 1220

Clamp Unit		
Clamp Force	U.S. tons kN	230 2,046
Clamp Stroke - Max.	in. mm	20 508
Open Daylight - Max.	in. mm	42 1,067
Mold Thickness - Min.	in. mm	7 178
Distance Between Tie Bars		
Horizontal	in. mm	22 560
Vertical	in. mm	22 560
Platen Size		
Horizontal (Standard)	in. mm	32 813
Vertical	in. mm	32 813
Tie Bar Diameter	in. mm	3.75 95
Clamp Speeds		
Closing	in./sec. mm/sec	29 737
Opening	in./sec. mm/sec	39 991
Ejector Force	U.S. tons kN	4.9 44
Ejector Stroke	in. mm	4.5 114

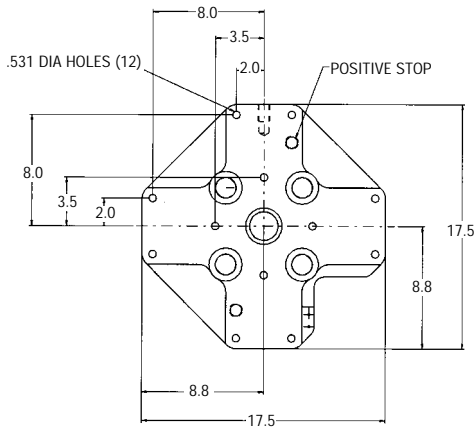
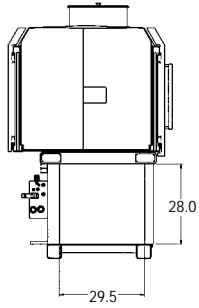
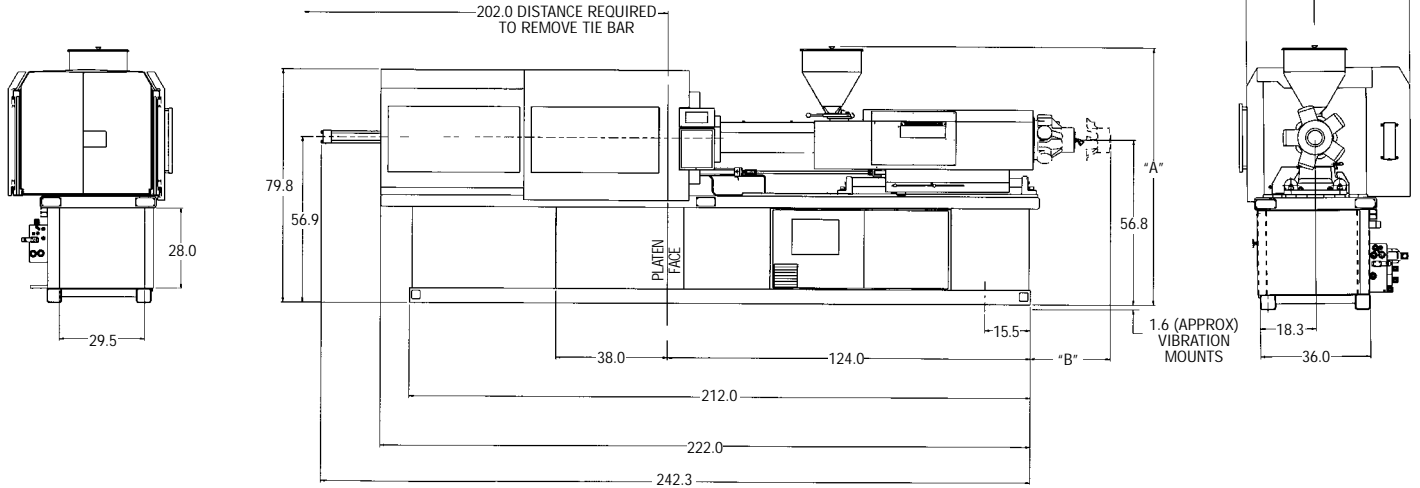
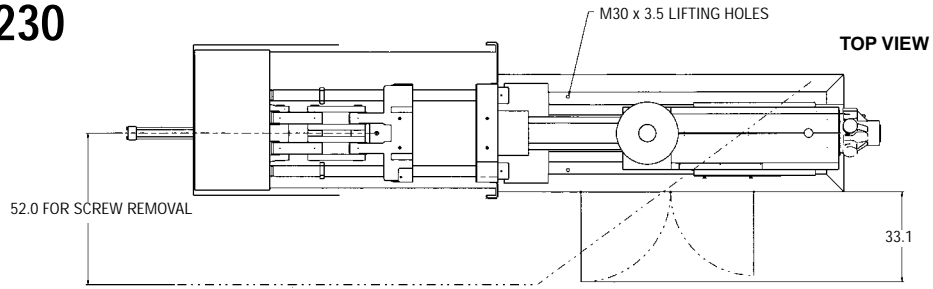
Injection Unit		500		720		1220	
	Measure	Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	10.7	8.5	14.7	11.9	25.4	17.6
	g	304	241	417	337	720	500
Injection Capacity	cu. in.	19.7	15.6	27.0	21.8	46.6	32.4
	ccm	323	255	442	358	763	530
Recovery Rate (GPPS)	oz./sec.	1.18	1.51	1.38	1.63	1.67	1.35
	g/sec	33.4	42.8	39.0	46.3	47.4	38.4
Injection Pressure	psi	24,088	30,486	23,757	29,329	23,264	33,501
	bar	1,661	2,102	1,638	2,022	1,604	2,310
Injection Rate (@ 10,000 psi)	cu. in./sec.	19.8	15.7	20.1	16.3	20.5	14.3
Injection Rate (@ 700 bar)	ccm/sec	325	257	329	267	336	234
Injection Stroke	in.	8.0	8.0	8.9	8.9	10.6	10.6
	mm	203	203	225	225	270	270
Screw Diameter	in.	1.77	1.57	1.97	1.77	2.36	1.97
	mm	45	40	50	45	60	50
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	318	521	286	441	239	282
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	10.3	9.5	13.7	11.7	21.7	17.9

General Machine Specifications		500		720		1220	
	Measure						
Length	ft. m	20.2	6.2	20.8	6.3	22.4	6.8
Width	ft. m	4.7	1.4	4.7	1.4	4.7	1.4
Height	ft. m	6.6	2.0	6.6	2.0	6.6	2.0
Machine Weight (approx.)	lb. kg	21,300	9,670	21,300	9,670	21,300	9,670

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 230



Injection Unit	A (in.)	B (in.)
STANDARD BARREL		
45mm/500	88.1	—
50mm/720	87.7	6.7
60mm/1220	89.1	27.2

Note: Dimensions based on optional hopper.

