

# IntElect Model 300

Demag Plastics Group		IntElect Model 300		
Model Description		IntElect Model 300		
International Size Description		720	1220	1920

Clamp Unit				
Clamp Force	U.S. tons kN	300	2,670	
Clamp Stroke - Max.	in. mm	26.6	675	
Open Daylight - Max.	in. mm	52.6	1,335	
Mold Thickness - Min.	in. mm	11.0	280	
Mold Thickness - Max.	in. mm	26.0	660	
Distance Between Tie Bars				
Horizontal	in. mm	25.6	650	
Vertical	in. mm	25.6	650	
Tie Bar Diameter	in. mm	3.94	100	
Platen Size				
Horizontal	in. mm	37.4	950	
Vertical	in. mm	37.4	950	
Ejector Data				
Ejector Stroke	in. mm	5.9	150	
Ejector Force	U.S. tons kN	7.0	62	

Injection Unit		720		1220		1920	
	Measure	Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	14.7	11.9	25.4	17.6	40.32	29.62
	g	417	337	720	500	1,143	840
Injection Capacity	cu. in.	27.0	21.8	46.6	32.4	74.0	54.4
	ccm	442	358	763	530	1,212	891
Recovery Rate-Std.	oz./sec.	1.8	1.4	1.7	1.4	2.2	1.4
	g/sec	51.0	39.3	49.6	34.0	62.4	39.7
Injection Pressure	psi	23,200	28,600	23,200	33,400	23,200	31,500
	bar	1,600	1,972	1,600	2,303	1,600	2,172
Injection Rate	cu. in./sec.	20.0	16.2	24.7	17.1	28.0	20.5
	ccm/sec	327	265	404	280	458	337
Injection Stroke	in.	8.9	8.9	10.6	10.6	12.4	12.4
	mm	225	225	270	270	315	315
Screw Diameter	in.	1.97	1.77	2.36	1.97	2.76	2.36
	mm	50	45	60	50	70	60
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	375	375	250	250	200	200
Back Pressure Adjust	psi	50-300	50-300	50-300	50-300	50-300	50-300
	bar	3.5-20.7	3.5-20.7	3.5-20.7	3.5-20.7	3.5-20.7	3.5-20.7
Barrel Heating Capacity	kW	13.7	11.7	21.5	17.9	33.1	25.1

General Machine Specifications		720		1220		1920	
	Measure						
Length	ft. m	23.8	7.3	23.8	7.3	27	8.2
Width	ft. m	5.4	1.6	5.4	1.6	6	1.8
Height	ft. m	8.5	2.6	8.5	2.6	8.5	2.6
Machine Weight (approx.)	lb. kg	34,307	15,560	34,307	15,560	46,000	20,870

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.