

IntElect Model 165

Demag Plastics Group		IntElect Model 165		
Model Description		310	410	610
International Size Description				

Clamp Unit				
Clamp Force	U.S. tons kN	165	1,500	
Clamp Stroke - Max.	in. mm	19.7	500	
Open Daylight - Max.	in. mm	42.7	1,085	
Mold Thickness - Min.	in. mm	10.8	275	
Mold Thickness - Max.	in. mm	23.0	585	
Distance Between Tie Bars				
Horizontal	in. mm	20.5	520	
Vertical	in. mm	20.5	520	
Tie Bar Diameter	in. mm	3.15	80	
Platen Size				
Horizontal	in. mm	30.3	770	
Vertical	in. mm	30.3	770	
Ejector Data				
Ejector Stroke	in. mm	4.9	125	
Ejector Force	U.S. tons kN	3.9	35	

Injection Unit		310			410			610		
	Measure	A	B	C	A	B	C	A	B	C
Injection Capacity (GPPS)	oz.	3.6	4.9	6.4	5.2	6.8	8.7	7.5	9.5	11.8
	g	101	138	181	148	194	246	213	270	334
Injection Volume	cu. in.	7.0	9.5	12.4	10.2	13.4	17.0	14.7	18.6	23.0
	ccm	114	155	203	168	219	278	241	305	377
Recovery Rate-Std.	oz./sec.	0.6	0.9	1.3	0.9	1.3	1.8	1.2	1.6	2.1
	g/sec	17.8	26.1	37.2	26.1	37.2	50.1	33.5	45.1	58.5
Injection Pressure	psi	36,300	31,200	23,800	33,900	27,100	21,300	37,600	29,700	24,100
	bar	2,500	2,150	1,640	2,340	1,865	1,470	2,590	2,050	1,660
Injection Rate	cu. in./sec.	6.4	8.8	11.5	8.8	11.5	14.5	11.5	14.5	17.9
	ccm/sec	105	144	188	144	188	238	188	238	294
Injection Stroke	in.	6.4	6.4	6.4	6.9	6.9	6.9	7.6	7.6	7.6
	mm	162	162	162	175	175	175	192	192	192
Screw Diameter	in.	1.18	1.38	1.57	1.38	1.57	1.77	1.57	1.77	1.97
	mm	30	35	40	35	40	45	40	45	50
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	500	500	500	500	500	500	450	450	450
Back Pressure Adjust	psi	50-300	50-300	50-300	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	3.5-20.7	3.5-20.7	3.5-20.7
Barrel Heating Capacity	kW	8.3	9.4	11.1	9.4	11.1	11.3	11.1	11.3	15.7

General Machine Specifications		310		410		610	
Length	ft. m	17.6	5.35	17.6	5.35	17.6	5.35
Width	ft. m	4.8	1.47	4.8	1.47	4.8	1.47
Height	ft. m	6.6	2.0	6.6	2.0	6.6	2.0
Machine Weight (approx.)	lb. kg	14,080	6,400	14,080	6,400	14,080	6,400

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.

