

**VANDORN™**  
**IntElect**  
 SERIES  
 MODEL 110

Injection Unit

International Size		170			270			390		
	Measure	HiPr (A)	Std. (B)	HiVol (C)	HiPr (A)	Std. (B)	HiVol (C)	HiPr (A)	Std. (B)	HiVol (C)
Injection Capacity (GPPS)	oz.	2.45	3.53	4.80	4.11	5.60	7.31	6.21	8.11	10.3
	g	69.0	100.0	136.0	117.0	159.0	207.0	176.0	229.9	290.9
Injection Capacity	cu. in.	4.50	6.50	8.80	7.50	10.3	13.4	11.4	14.9	18.8
	ccm	74.0	106.0	144.0	124.0	168.0	220.0	186.7	243.9	308.6
Recovery Rate (GPPS)	oz./sec.	0.59	0.77	0.99	0.77	0.99	1.31	0.88	1.16	1.18
	g/sec.	16.8	21.7	28.1	21.7	28.1	37.0	24.9	32.9	33.5
Injection Pressure	psi	33,408	23,200	17,045	31,578	23,200	17,763	30,302	23,200	18,336
	bar	2,303	1,600	1,175	2,177	1,600	1,225	2,089	1,600	1,264
Injection Rate (@ 10,000psi) (@ 700 bar)	cu. in./sec.	5.00	7.20	9.80	7.20	9.80	12.8	9.20	12.0	12.1
	ccm/sec.	82.0	118.0	161.0	118.0	161.0	210.0	150.8	196.7	198.8
Injection Stroke	in.	5.90	5.90	5.90	6.90	6.90	6.90	7.60	7.60	7.60
	mm	150.0	150.0	150.0	175.0	175.0	175.0	194.0	194.0	194.0
Screw Diameter	in.	0.98	1.18	1.38	1.18	1.38	1.57	1.38	1.57	1.77
	mm	25.0	30.0	35.0	30.0	35.0	40.0	35.0	40.0	45.0
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	450	450	450	450	450	450	400	400	318
Back Pressure Adjust	psi	50-300	50-300	50-300	50-300	50-300	50-300	50-300	50-300	50-300
	bar	3.45-20.7	3.45-20.7	3.45-20.7	3.45-20.7	3.45-20.7	3.45-20.7	3.45-20.7	3.45-20.7	3.45-20.7
Barrel Heating Capacity	kW	7.80	7.80	7.80	10.9	10.9	10.9	11.1	11.1	11.1

General Machine Specifications

	Measure	170	270	390
Power Supply		460 volt/ 3 phase/ 60 Hertz	460 volt/ 3 phase/ 60 Hertz	460 volt/ 3 phase/ 60 Hertz
<b>Machine Dimensions</b>				
Length	ft.	14.8	14.8	14.8
	m	4.50	4.50	4.50
Width	ft.	4.30	4.30	4.30
	m	1.30	1.30	1.30
Height	ft.	6.30	6.30	6.30
	m	1.90	1.90	1.90
Machine Weight (approx.)	lb.	10,500	10,500	10,500
	Kg	4,767	4,767	4,767

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

The specifications listed are standard. However, Van Dorn Demag will provide engineered options and solutions to meet virtually any performance requirements.

Clamp Unit

Clamp Force	U.S. tons	110.0
	kN	979.0
Clamp Stroke - Max.	in.	14.2
	mm	360.0
Open Daylight - Max.	in.	31.1
	mm	790.0
Mold Thickness - Min.	in.	7.87
	mm	200.0
<b>Distance Between Tie Bars</b>		
Horizontal	in.	16.5
	mm	420.0
Vertical	in.	16.5
	mm	420.0
<b>Platen Size</b>		
Horizontal (Standard)	in.	24.3
	mm	616.0
Vertical	in.	24.6
	mm	627.0
Tie Bar Diameter	in.	2.56
	mm	65.00
<b>Ejector Data</b>		
Ejector Force	U.S. tons	2.92
	kN	26.0
Ejector Stroke	in.	4.33
	mm	110.0

