

VANDORN™

IntElect
MODEL 80

Injection Unit

International Size		100				170			270		
	Measure	A+	A	B	C	A	B	C	A	B	C
Injection Capacity (GPPS)	oz. g	1.06 30.0	1.58 45.0	2.04 58.0	2.94 83.0	2.45 69.0	3.53 100.0	4.80 136.0	4.11 117.0	5.60 159.0	7.31 207.0
Injection Capacity	cu. in. ccm	1.90 32.0	2.90 48.0	3.70 61.0	5.40 88.0	4.50 74.0	6.50 106.0	8.80 144.0	7.50 124.0	10.3 168.0	13.4 220.0
Recovery Rate (GPPS)	oz./sec. g/sec	0.41 11.7	0.51 14.4	0.59 16.8	0.77 21.7	0.59 16.8	0.77 21.7	0.99 28.1	0.77 21.7	0.99 28.1	1.31 37.0
Injection Pressure	psi bar	36,000 2,482	29,959 2,066	23,200 1,600	16,111 1,111	33,408 2,303	23,200 1,600	17,045 1,175	31,578 2,177	23,200 1,600	17,763 1,225
Injection Rate (@ 10,000psi) (@ 700 bar)	cu. in./sec. ccm/sec	2.60 42.0	3.90 63.0	5.00 82.0	7.20 118.0	5.00 82.0	7.20 118.0	9.80 161.0	7.20 118.0	9.80 161.0	12.8 210.0
Injection Stroke	in. mm	4.90 125.0	4.90 125.0	4.90 125.0	4.90 125.0	5.90 150.0	5.90 150.0	5.90 150.0	6.90 175.0	6.90 175.0	6.90 175.0
Screw Diameter	in. mm	0.71 18.0	0.87 22.0	0.98 25.0	1.18 30.0	0.98 25.0	1.18 30.0	1.38 35.0	1.18 30.0	1.38 35.0	1.57 40.0
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm rpm	450.0 450.0	450.0 450.0	450.0 450.0	450.0 450.0	450.0 450.0	450.0 450.0	450.0 450.0	450.0 450.0	450.0 450.0	450.0 450.0
Back Pressure Adjust	psi bar	50-300 5-21	50-300 5-21	50-300 5-21	50-300 5-21	50-300 5-21	50-300 5-21	50-300 5-21	50-300 5-21	50-300 5-21	50-300 5-21
Barrel Heating Capacity	kW kW	* *	* *	* *	* *	7.8 7.8	7.8 7.8	7.8 7.8	11.58 11.58	11.58 11.58	11.58 11.58

*Consult your sales representative

General Machine Specifications

	Measure	100	170	270
Machine Dimensions				
Length	ft. m	14.8 4.51	14.8 4.51	14.8 4.51
Width	ft. m	4.30 1.31	4.30 1.31	4.30 1.31
Height	ft. m	6.30 1.92	6.30 1.92	6.30 1.92
Machine Weight (approx.)	lb. kg	9,600 4,320	9,600 4,320	9,600 4,320

Clamp Unit

Clamp Force	U.S. tons kN	80.0 712.0
Clamp Stroke-Max.	in. mm	12.6 320.0
Open Daylight-Max.	in. mm	28.7 730.0
Mold Thickness-Min.	in. mm	5.91 150.0
Distance Between Tie Bars		
Horizontal	in. mm	15.2 386.0
Vertical	in. mm	15.2 386.0
Platen Size		
Horizontal (Standard)	in. mm	23.1 587.0
Vertical	in. mm	23.4 594.0
Tie Bar Diameter	in. mm	2.36 60.0
Ejector Data		
Ejector Stroke	in. mm	3.7 95.0
Ejector Force	U.S. tons kN	2.14 19.0

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.

