

Injection Unit

International Size	Measure	720			1220			1920		
		Std.	HiPr	xHiPr	Std.	HiPr	xHiPr	Std.	HiPr	xHiPr
Injection Capacity (GPPS)	oz.	21.2	14.7	11.9	34.6	25.4	17.6	52.7	40.3	29.6
	g	600	417	337	980	720	500	1,493	1,143	840
Injection Capacity	cu. in.	38.8	27.0	21.8	63.4	46.6	32.4	96.6	74.0	54.4
	ccm	636	442	358	1,039	763	530	1,583	1,212	891
Recovery Rate (GPPS)	oz./sec.	1.67	1.38	1.66	2.25	1.67	1.54	3.04	2.24	1.43
	g/sec	47.4	39.0	47.1	63.8	47.4	43.6	86.3	63.6	40.5
Injection Pressure	psi	16,498	23,757	29,329	17,092	23,264	33,501	17,545	22,916	31,191
	bar	1,138	1,638	2,022	1,179	1,604	2,310	1,210	1,580	2,151
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu. in./sec.	32.6	22.6	18.3	31.4	23.1	16.0	30.6	23.5	17.2
	ccm/sec	534	371	300	515	379	263	502	384	282
Injection Stroke	in.	8.9	8.9	8.9	10.6	10.6	10.6	12.4	12.4	12.4
	mm	225	225	225	270	270	270	315	315	315
Screw Diameter	in.	2.36	1.97	1.77	2.76	2.36	1.97	3.15	2.76	2.36
	mm	60	50	45	70	60	50	80	70	60
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1
		20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1

Clamp Unit

Clamp Force	U.S. tons	280
	kN	2,492
Clamp Stroke - Max.	in.	26.6
	mm	675
Open Daylight - Max.	in.	54.5
	mm	1,385
Mold Thickness - Min.	in.	13.0
	mm	330
Distance Between Tie Bars		
Horizontal	in.	24.8
	mm	630
Vertical	in.	24.8
	mm	630
Platen Size		
Horizontal	in.	37.4
	mm	950
Vertical	in.	37.4
	mm	950
Ejector		
Ejector Force	U.S. tons	6.5
	kN	58
Ejector Stroke	in.	7.9
	mm	200

The specifications listed are standard. However, Van Dorn Demag will provide engineered options and solutions to meet virtually any performance requirements including high-pressure and high-speed configurations.

General Machine Specifications

	Measure	720	1220	1920
Pump Motor	hp	50	50	50
	kW	37.3	37.3	37.3
Oil Capacity	gal.	120	120	120
	l	454	454	454
Machine Weight (approx.)	lb.	27,500	28,500	30,100
	kg	12,485	12,939	13,665
Machine Dimensions				
Length	ft.	21.3	21.3	21.3
	m	6.5	6.5	6.5
Width	ft.	5.6	5.6	5.6
	m	1.7	1.7	1.7
Height	ft.	7.5	7.5	7.5
	m	2.3	2.3	2.3

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.



Van Dorn Demag Corporation
 11792 Alameda Drive
 Strongsville, Ohio 44149
 Telephone (440) 876-8960
 FAX (440) 876-4383
 Web: www.vandorndemag.com