

Injection Unit

International Size	Measure	2800		4300		6800		6800 C
		Std.	HiPr	Std.	HiPr	Std.	HiPr	Std.
Injection Capacity (GPPS)	oz.	59.2	45.3	89.6	63.5	139.1	103.7	165.5
	g	1,678	1,285	2,540	1,801	3,943	2,941	4,692
Injection Capacity	cu.in.	108.6	83.1	164.4	116.6	255.2	190.3	303.7
	ccm	1,779	1,362	2,694	1,910	4,181	3,119	4,976
Recovery Rate-Std.	oz./sec.	3.04	3.07	3.77	3.17	4.17	3.06	4.06
	g/sec.	86	87	107	89	118	87	115
Injection Pressure-Max	psi	22,656	29,592	23,136	32,625	23,488	31,490	19,736
	bar	1,562	2,040	1,595	2,249	1,619	2,171	1,361
Injection Rate (@ 10,000psi) (@ 700 bar)	cu.in./sec.	47.9	36.6	46.9	33.2	46.2	34.4	54.9
	ccm/sec.	782	598	766	543	754	562	897
Injection Stroke	in.	13.9	13.9	15.0	15.0	17.3	17.3	17.3
	mm	354	354	380	380	440	440	440
Screw Diameter	in.	3.15	2.76	3.74	3.15	4.33	3.74	4.72
	mm	80	70	95	80	110	95	120
Screw L/D Ratio		20/1	20/1	20/1	20/1	20/1	20/1	20/1
Maximum Screw Speed	rpm	179	279	151	186	123	123	99
Back Pressure Adjust	psi	75-300	75-300	75-300	75-300	75-300	75-300	75-300
	bar	5-21	5-21	5-21	5-21	5-21	5-21	5-21
Barrel Heating Capacity	kW	38.0	34.0	56.0	42.8	63.1	53.8	68.2

General Machine Specifications

	Measure	2800	4300	6800
Pump Motor	hp	100	100	100
	kW	75	75	75
Pump Capacity (@100psi/7 bar)	gpm	129	129	129
	Lpm	488	488	488
Oil Capacity	gal.	160	160	160
	L	606	606	606
Machine Weight (approx.)	lb. Kg	*	*	*

Machine Dimensions

	ft.	28.8	29.3	31.2
Length	m	8.8	8.9	9.5
Width	ft.	9.0	9.0	9.0
	m	2.7	2.7	2.7
Height	ft.	9.6	9.6	9.6
	m	2.9	2.9	2.9

*Consult your sales representative

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 including high-pressure and high-speed configurations.

Clamp Unit

Clamp Force	U.S. tons k N	730 6,494
Open Force	U.S. tons k N	37.0 330
Clamp Stroke-Max.	in. mm	57.0 1,450
Open Daylight-Max.	in. mm	70.8 1,800
Mold Thickness-Min.	in. mm	13.7 350
Mold Thickness-Max.	in. mm	40.7 1,035
Distance Between Tie Bars		
Horizontal	in. mm	42.3 1,075
Vertical	in. mm	42.3 1,075
Platen Size		
Horizontal (Standard)	in. mm	57.0 1,450
Vertical	in. mm	57.0 1,450
Clamp Speeds		
Close Fast (@1000 psi/69 bar)	in./sec mm/sec	39.1 993
Open Fast (@1000 psi/69 bar)	in./sec mm/sec	40.7 1,034
Ejector Force	U.S. tons k N	15.7 140
Ejector Stroke	in. mm	9.8 250

