

VANDORN™

SPECTRA
MODEL 500

Injection Unit

International Size	Measure	1920		2800		4300	
		Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	40.3	29.6	59.2	45.3	89.6	63.5
	g	1,143	840	1,678	1,285	2,540	1,801
Injection Capacity	cu. in.	74.0	54.4	108.6	83.1	164.4	116.6
	ccm	1,212	891	1,779	1,362	2,694	1,910
Recovery Rate (GPPS)	oz./sec.	2.25	2.36	3.04	2.66	3.75	2.55
	g/sec	64	67	86	75	106	72
Injection Pressure	psi	22,916	31,191	22,656	29,592	23,136	32,625
	bar	1,580	2,151	1,562	2,040	1,595	2,249
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu.in./sec.	38.7	28.4	39.2	30.0	38.3	27.2
	ccm/sec	634	466	642	491	628	446
Injection Stroke	in.	12.4	12.4	13.9	13.9	15.0	15.0
	mm	315	315	354	354	380	380
Screw Diameter	in.	2.76	2.36	3.15	2.76	3.74	3.15
	mm	70	60	80	70	95	80
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
Maximum Screw Speed	rpm	205	337	179	242	150	150
	rpm	205	337	179	242	150	150
Back Pressure Adjust	psi	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
Barrel Heating Capacity	kW	33.4	25.6	38.0	34.0	56.0	42.8
	kW	33.4	25.6	38.0	34.0	56.0	42.8

General Machine Specifications

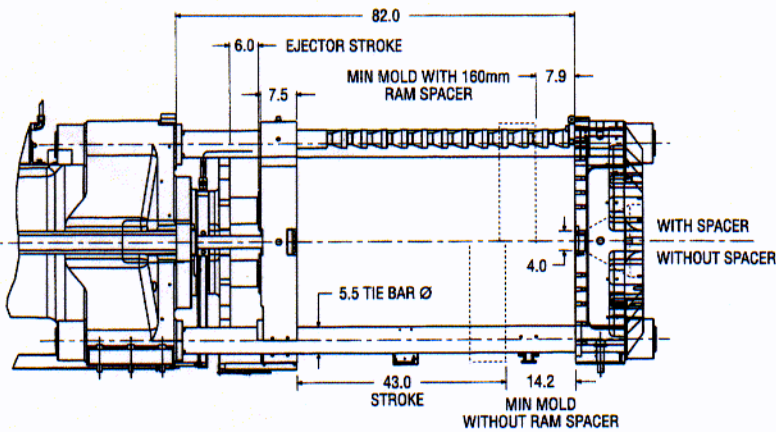
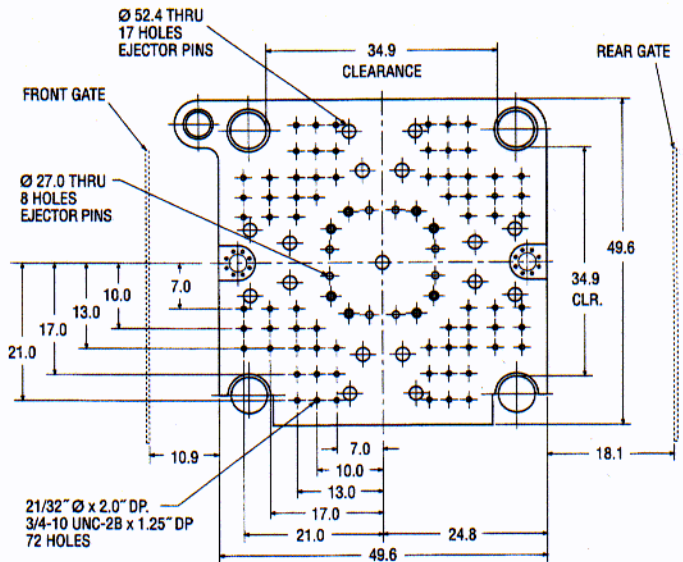
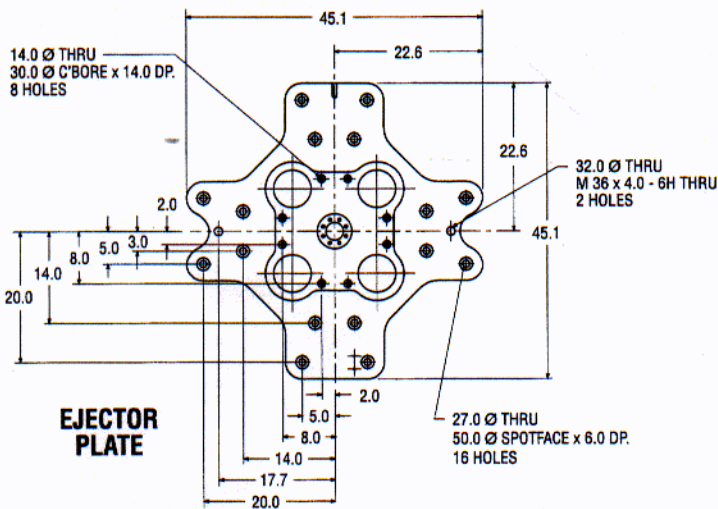
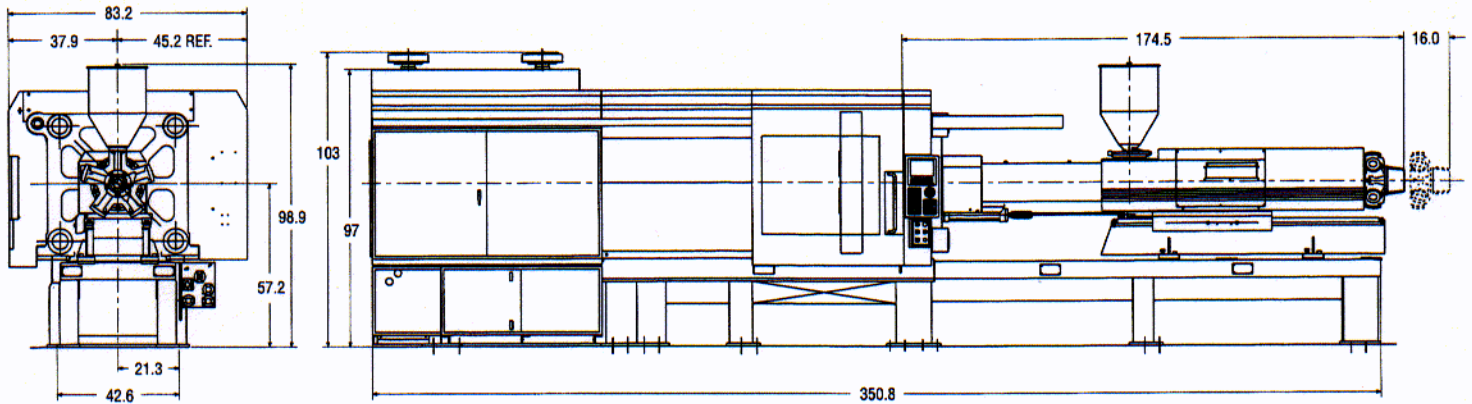
	Measure	1920	2800	4300
Pump Motor	hp	75	75	75
	kW	56	56	56
Pump Capacity	gpm	109	109	109
	lpm	413	413	413
Oil Capacity	gal.	310	310	310
	l	1,173	1,173	1,173
Machine Weight (approx.)	lb.	52,200	53,100	54,500
	kg	23,700	24,100	24,700
Machine Dimensions				
Length	ft.	30.0	30.6	33.4
	m	9.1	9.3	10.2
Width	ft.	8.6	8.6	8.6
	m	2.6	2.6	2.6
Height	ft.	6.9	6.9	6.9
	m	2.1	2.1	2.1

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.

Clamp Unit

Clamp Force	U.S. tons	500
	kN	4,450
Open Force	U.S. tons	23
	kN	204
Clamp Stroke - Max.	in.	43.0
	mm	1,092
Open Daylight - Max.	in.	57.2
	mm	1,453
Mold Thickness - Min.	in.	14.2
	mm	361
Distance Between Tie Bars		
Horizontal	in.	34.9
	mm	886
Vertical	in.	34.9
	mm	886
Platen Size		
Horizontal (Standard)	in.	49.6
	mm	1,260
Vertical	in.	49.6
	mm	1,260
Tie Bar Diameter	in.	5.50
	mm	140
Clamp Speeds		
Closing	in./sec.	29.4
	mm/sec.	748
Opening	in./sec.	26.0
	mm/sec.	661
Ejector Force	U.S. tons	15.7
	kN	140
Ejector Stroke	in.	7.0
	mm	178

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.



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