

VAN DORN®

1000 HP SERIES

Injection Unit

International Size	Measure	6800		6700		10,000
		Std.	HiPr	Std.	HiPr	Std.
Injection Capacity (GPPS)	oz	139	104	165	135	260
	g	3,943	2,940	4,678	3,827	7,371
Injection Capacity	cu. in.	255.2	190.3	298.0	248.0	466.0
	ccm	4,182	3,118	4,883	4,064	7,636
Recovery Rate (GPPS)	oz./sec.	4.42	3.76	6.90	4.33	6.50
	g/sec	125	107	196	123	184
Injection Pressure	psi	23,791	31,898	20,300	24,300	19,800
	bar	1,640	2,199	1,400	1,675	1,365
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu. in./sec.	84.6	63.1	84.0	58.0	86.0
	ccm/sec	1,386	1,034	1,377	950	1,409
Injection Stroke	in.	17.32	17.32	18.50	18.50	21.00
	mm	440	440	470	470	533
Screw Diameter	in.	4.33	3.74	4.53	4.13	5.32
	mm	110	95	115	105	135
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	130	151	180	157	125
	rpm	130	151	180	157	125
Back Pressure Adjust	psi	75-300	75-300	75-300	75-300	75-300
	bar	5-21	5-21	5-21	5-21	5-21
Barrel Heating Capacity	kW	63	54	62	55	86
	kW	63	54	62	55	86

General Machine Specifications

	Measure	6800	6700	10,000
Pump Motor	hp	175	175	175
	kW	130	130	130
Pump Capacity	gpm	279	279	279
	lpm	1,056	1,056	1,056
Oil Capacity	gal.	810	810	810
	l	3,070	3,070	3,070
Machine Weight (approx.)	lb.	135,000	135,600	136,000
	kg	61,240	61,510	61,690
Machine Dimensions				
Length	ft.	39.2	39.8	42.5
	m	11.0	12.1	13.0
Width	ft.	8.4	8.4	8.4
	m	2.6	2.6	2.6
Height	ft.	11.3	11.3	11.3
	m	3.4	3.4	3.4

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 kN	1,000 8,896
Open Force	U.S. tons kN	47 418
Clamp Stroke - Max.	in. mm	50 1,270
Open Daylight - Max. (w/o Ejector Box & Ram Spacers)	in. mm	92 2,337
Mold Thickness - Min. (w/ Ejector Box & Ram Spacers)	in. mm	12 305
Ejector Box Thickness	in. mm	18 457
Ram Spacer Thickness	in. mm	12 305
Distance Between Tie Bars		
Horizontal (Standard)	in.	44
	mm	1,118
(Optional Extended Tie Bar Spacing)	in.	52
	mm	1,320
Vertical	in.	44
	mm	1,118
Platen Size		
Horizontal (Standard)	in.	65
	mm	1,651
(Optional Extended Tie Bar Spacing)	in.	73
	mm	1,854
Vertical	in.	65
	mm	1,651
Tie Bar Diameter	in.	8
	mm	203
Clamp Speeds		
Closing	in./sec.	26
	mm/sec.	660
Opening	in./sec.	24
	mm/sec.	610
Ejector Force	U.S. tons kN	20 178
Ejector Stroke	in.	8
	mm	203

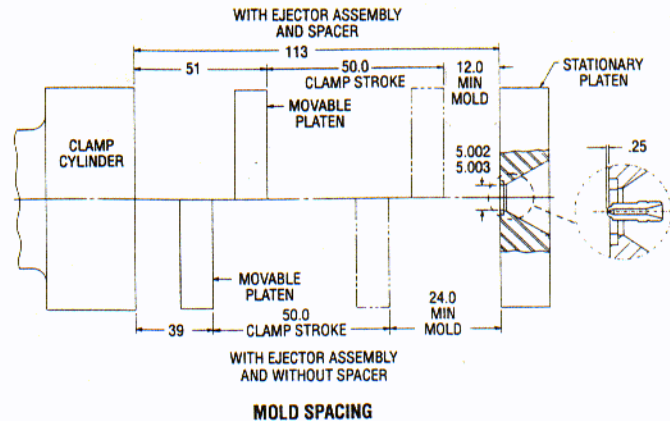
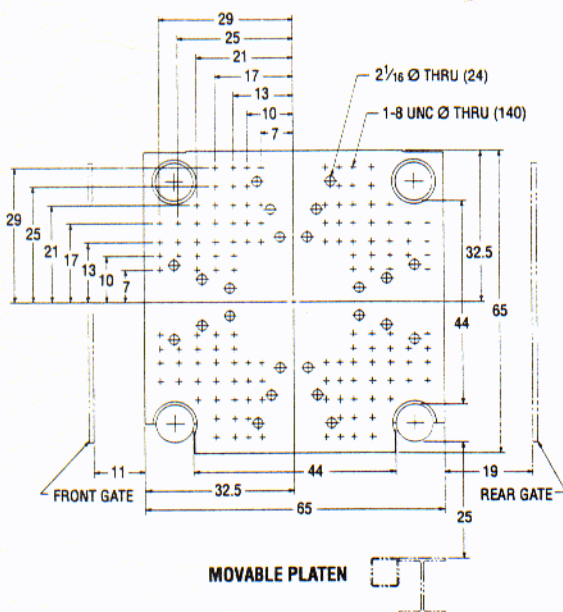
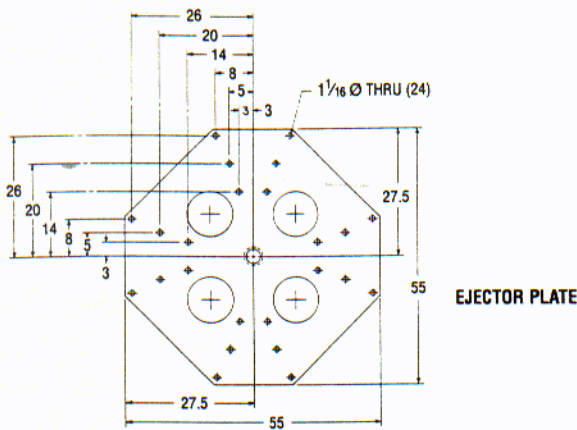
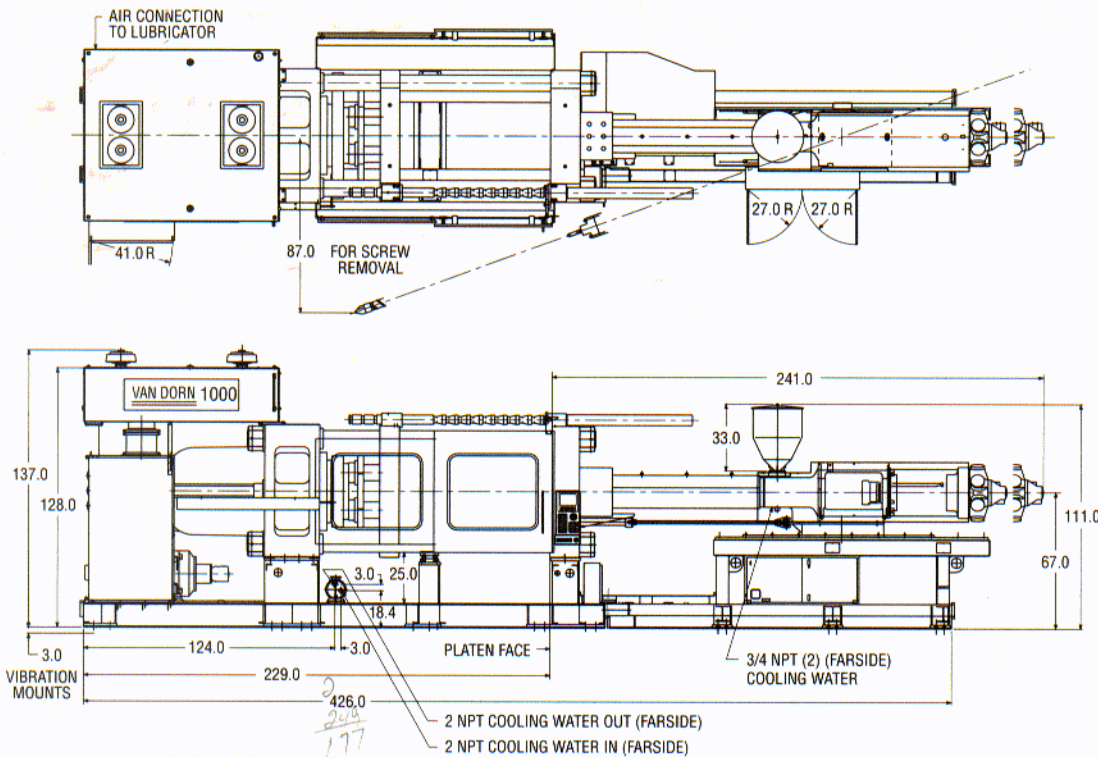
Extended tie bar spacing reduces minimum mold thickness and maximum open daylight by 1½".

Extra-wide tie bar spacing reduces minimum mold thickness and maximum open daylight by 3".

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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