

VAN DORN®

3000 HP SERIES

Injection Unit

	Measure	400-oz.	600-oz.
Injection Capacity (GPPS)	oz.	400	600
	g	11,340	17,010
Injection Capacity	cu. in.	716.5	1,183.4
	ccm	11,741	19,392
Recovery Rate (GPPS)	oz./sec.	11.00	12.50
	g/sec	312	354
Injection Pressure	psi	20,100	27,200
	bar	1,386	1,875
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu. in./sec.	132.5	125.0
	ccm/sec	2,171	2,048
Injection Stroke	in.	24.5	30.0
	mm	622	762
Screw Diameter	in.	6.10	7.09
	mm	155	180
Barrel L/D Ratio		20/1	20/1
		20/1	20/1
Screw Speed Range	rpm	20-140	20-92
	rpm	20-140	20-92
Back Pressure Adjust	psi	75-300	75-300
	bar	5-21	5-21

Clamp Unit

Clamp Force	U.S. tons	3,000
	kN	26,698
Open Force	U.S. tons	132
	kN	1,175
Clamp Stroke - Max.	in.	85
	mm	2,159
Open Daylight - Max. (w/o Ejector box & Ram Spacers)	in.	165
	mm	4,191
Mold Thickness - Min. (w/ Ejector Box & Ram Spacers)	in.	29
	mm	737
Ejector Box Thickness	in.	22
	mm	559
Ram Spacer Thickness	in.	29
	mm.	737
Distance Between Tie Bars		
Horizontal	in.	84
	mm	2,134
Vertical	in.	64
	mm	1,626
Platen Size		
Horizontal (Standard)	in.	119
	mm	3,023
Vertical	in.	99
	mm	2,515
Tie Bar Diameter	in.	13.75
	mm	349
Clamp Speeds		
Closing	in./sec.	19
	mm/sec.	483
Opening	in./sec.	19
	mm/sec.	483
Ejector Force	U.S. tons	50
	kN	445
Ejector Stroke	in.	10
	mm	254

Extended tie bar spacing reduces minimum mold thickness and maximum open daylight by 3½".

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.

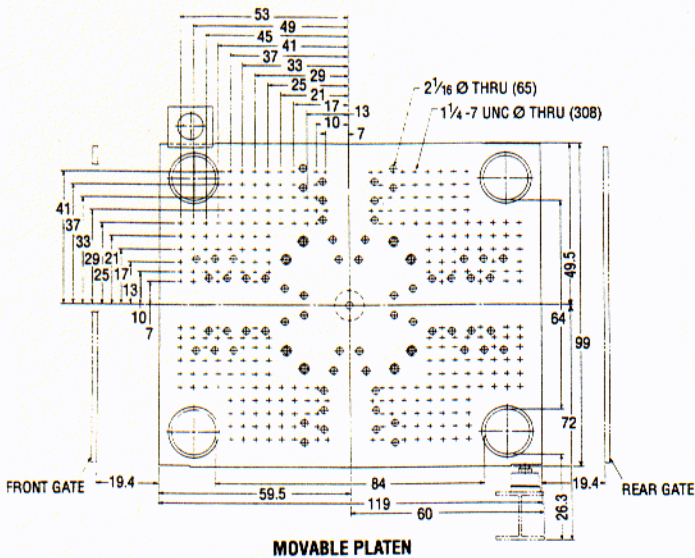
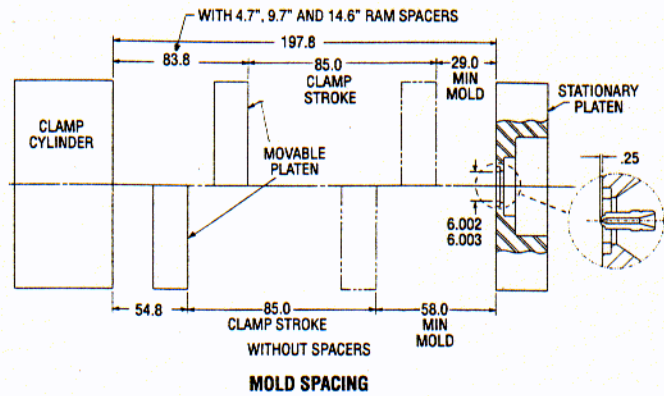
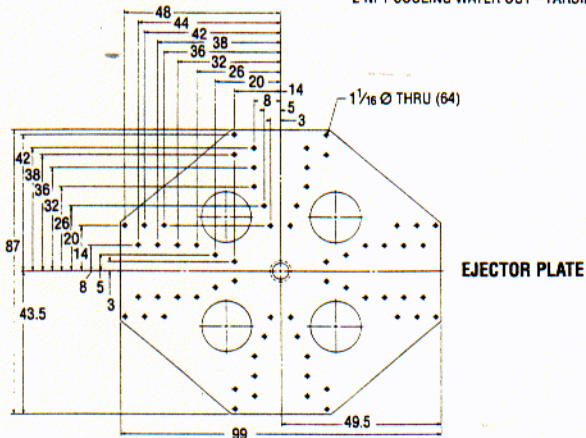
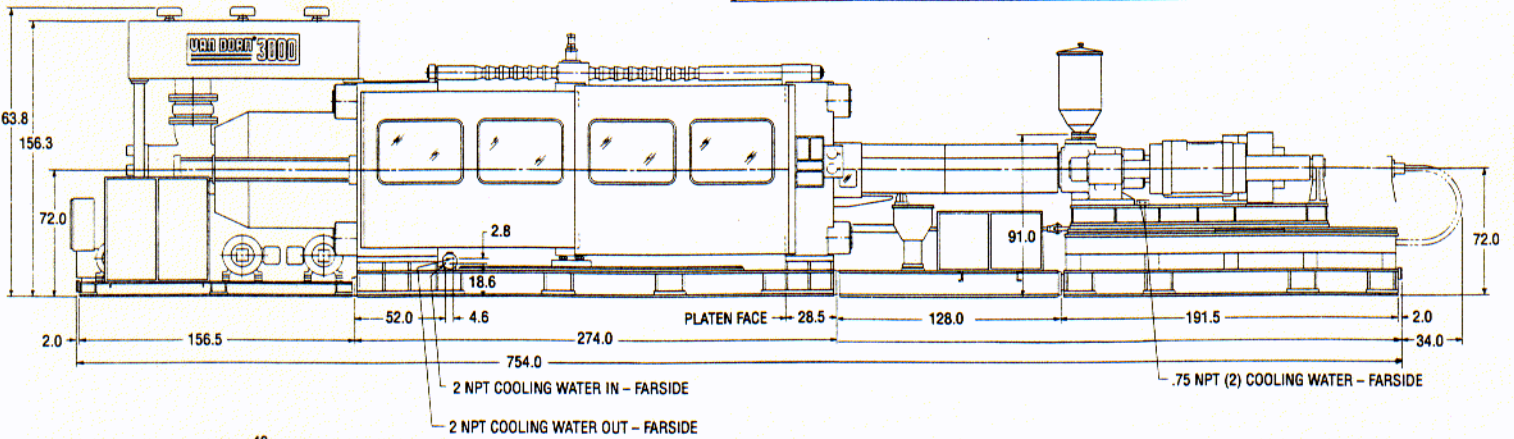
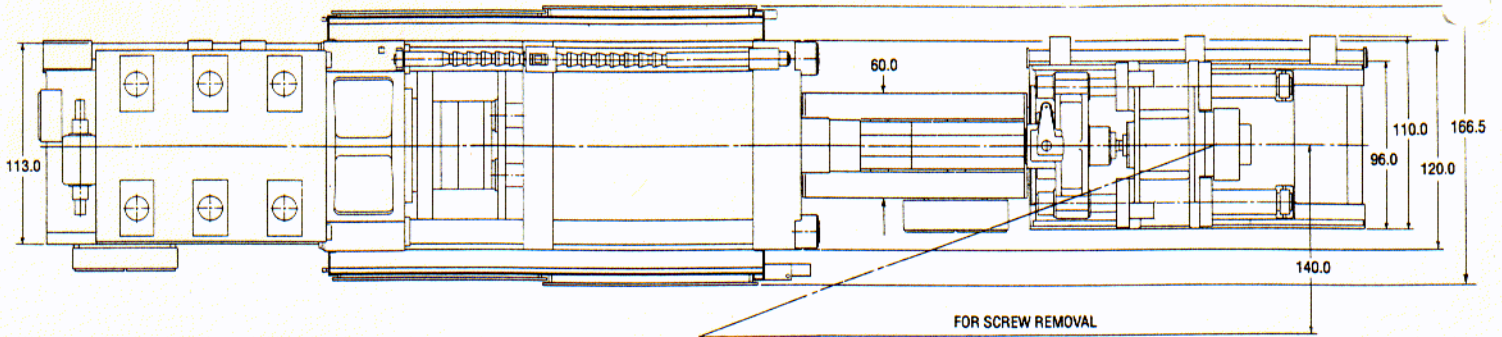
General Machine Specifications

	Measure	400-oz.	600-oz.
Pump Motor	hp	375	375
	kW	280	280
Pump Capacity	gpm	565	565
	lpm	2,139	2,139
Oil Capacity	gal.	1,800	1,800
	l	6,814	6,814
Machine Weight (approx.)	lb.	550,000	584,000
	kg	249,480	264,900
Machine Dimensions			
Length	ft.	61.6	65.8
	m	18.8	20.1
Width	ft.	13.4	13.9
	m	4.1	4.2
Height	ft.	13.7	13.7
	m	4.2	4.2
Barrel	kW	114.1	222.3
Heating Capacity	kW	114.1	222.3

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.

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