

VAN DORN®

4400 HP SERIES

Injection Unit

	Measure	400-oz.	600-oz.	Twin 400-oz.
Injection Capacity (GPPS)	oz.	400	600	800
	g	11,340	17,010	22,680
Injection Capacity	cu. in.	716.6	1,183.0	1,433.0
	ccm	11,743	19,386	23,480
Recovery Rate (GPPS)	oz./sec.	11.00	12.50	18.00
	g/sec	312	354	510
Injection Pressure	psi	20,100	27,000	20,100
	bar	1,386	1,862	1,386
Injection Rate (@10,000 psi) (@ 700 bar)	cu. in./sec.	132.5	122.9	190.0
	ccm/sec	2,171	2,014	3,113
Injection Stroke	in.	24.5	30.0	24.5
	mm	622	762	622
Screw Diameter	in.	6.10	7.09	6.10
	mm	155	180	155
Barrel L/D Ratio		20/1	20/1	20/1
		20/1	20/1	20/1
Screw Speed Range	rpm	20-140	20-92	20-130
	rpm	20-140	20-92	20-105
Back Pressure Adjust	psi	75-300	75-300	75-300
	bar	5-21	5-21	5-21

General Machine Specifications

	Measure	400-oz.	600-oz.	Twin 400-oz.
Pump Motor	hp	375	375	375
	kW	280	280	280
Pump Capacity	gpm	554	554	554
	lpm	2,100	2,100	2,100
Oil Capacity	gal.	3,500	3,500	3,500
	l	13,250	13,250	13,250
Machine Weight (approx.)	lb.	1,000,000	1,035,000	1,050,000
	kg	453,500	469,500	476,300
Machine Dimensions				
Length	ft.	66.4	70.6	66.4
	m	20.2	21.5	20.2
Width	ft.	15.2	15.2	15.2
	m	4.6	4.6	4.6
Height	ft.	17.0	17.0	17.0
	m	5.2	5.2	5.2
Barrel Heating Capacity	kW	114.1	222.3	114.1
	KW	114.1	222.3	114.1

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.

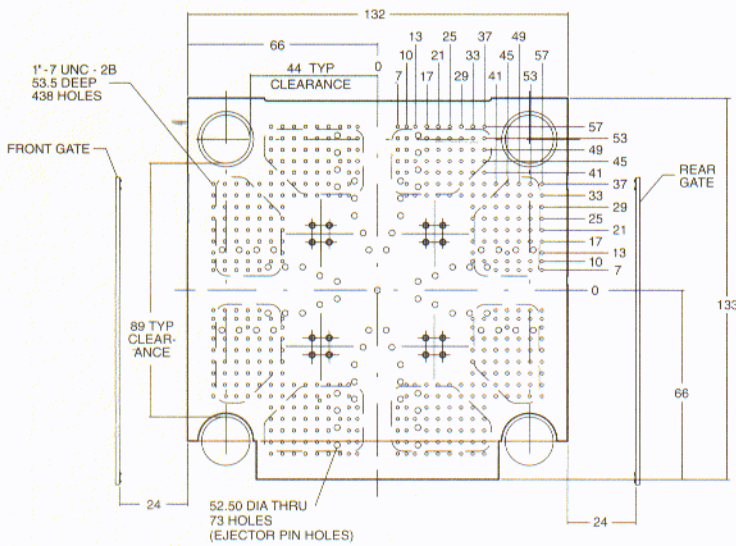
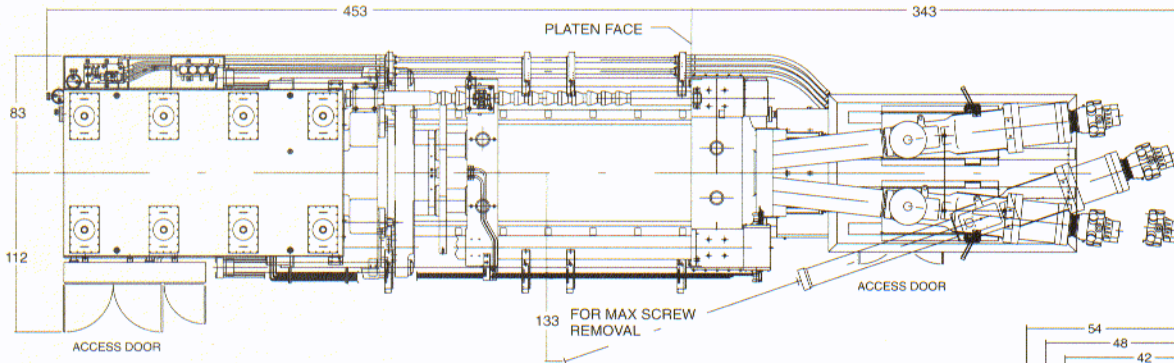
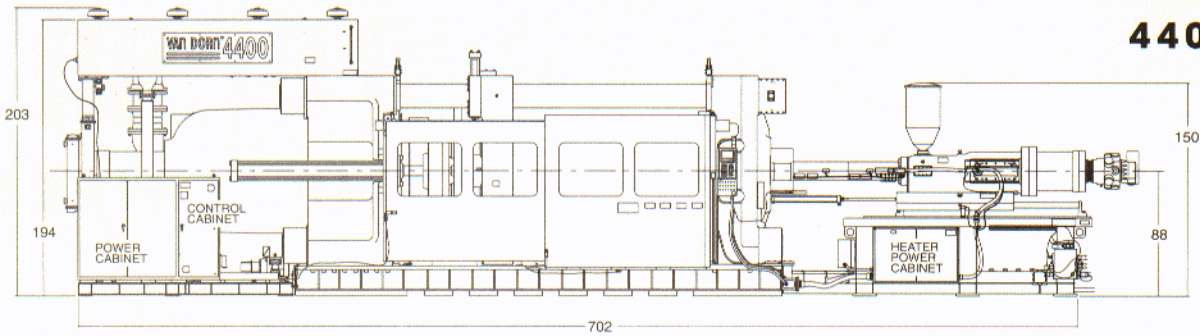
Clamp Unit

Clamp Force	U.S. tons kN	4,400 39,150
Open Force	U.S. tons kN	224 1,992
Clamp Stroke - Max.	in. mm	100.4 2,550
Open Daylight - Max. (w/o Ejector Box & Ram Spacers)	in. mm	172.2 4,375
Mold Thickness - Min. (w/ Ejector Box & Ram Spacers)	in. mm	35.4 900
Ejector Box Thickness	in. mm	26.6 675
Ram Spacer Thickness	in. mm	9.9 250
Distance Between Tie Bars		
Horizontal	in.	88.6
	mm	2,250
Vertical	in.	88.6
	mm	2,250
Platen Size		
Horizontal (Standard)	in.	130
	mm	3,300
Vertical	in.	130
	mm	3,300
Tie Bar Diameter	in.	16.75
	mm	425
Clamp Speeds		
Closing	in./sec.	14
	mm/sec.	350
Opening	in./sec.	12
	mm/sec.	300
Ejector Force	U.S. tons kN	50 445
Ejector Stroke	in.	13.8
	mm	350

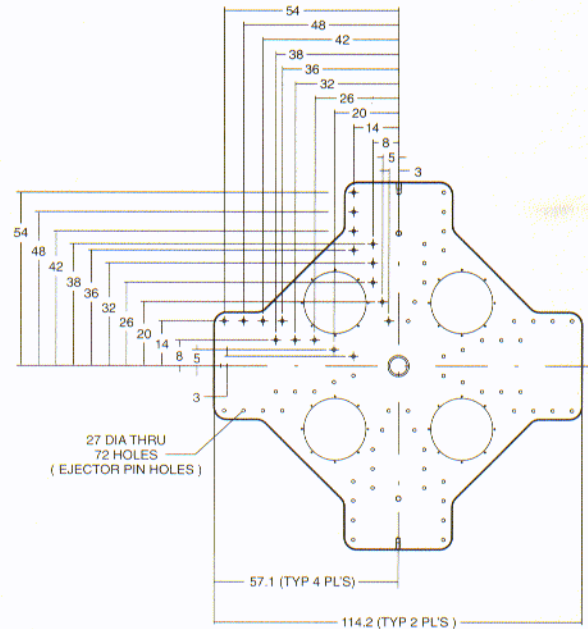
The specifications listed are standard. However, Van Dorn Demag will provide engineered options and solutions to meet virtually any performance requirements including high-pressure and high-speed configurations.

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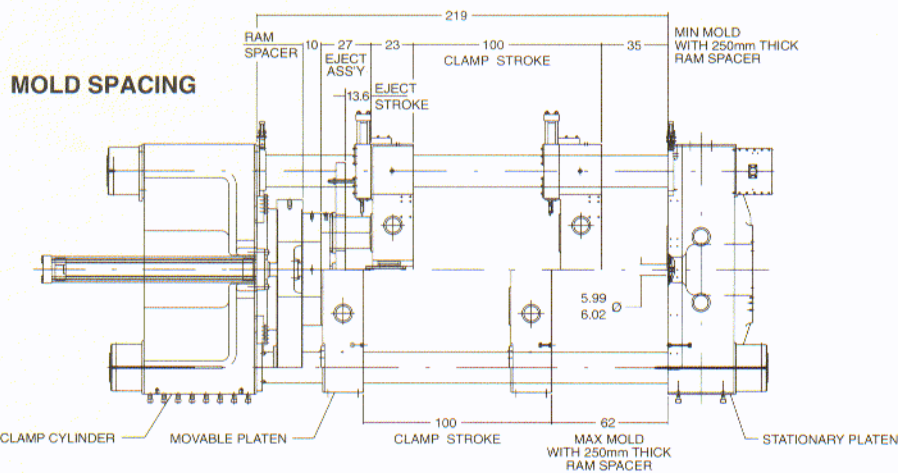
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MOVABLE PLATEN



EJECTOR PLATE



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