

VAN DORN®

880 HP SERIES

Injection Unit

International Size	Measure	4300		6800		6700	
		Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	90	64	139	104	165	135
	g	2,540	1,814	3,943	2,948	4,603	3,836
Injection Capacity	cu. in.	164	117	255	190	298	248
	ccm	2,695	1,911	4,183	3,119	4,882	4,069
Recovery Rate (GPPS)	oz./sec.	3.76	3.04	4.42	3.42	4.78	4.33
	g/sec	107	86	125	97	136	123
Injection Pressure	psi	23,435	33,047	23,791	31,898	20,300	24,300
	bar	1,616	2,279	1,640	2,199	1,400	1,676
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu.in./sec.	48.7	35.0	48.7	36.3	70.0	58.0
	ccm/sec	803	574	803	590	1,146	955
Injection Stroke	in.	14.96	14.96	17.32	17.32	18.50	18.50
	mm	380	380	440	440	470	470
Screw Diameter	in.	3.74	3.15	4.33	3.74	4.53	4.13
	mm	95	80	110	95	115	105
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	151	179	130	137	125	157
	rpm	151	179	130	137	125	157
Back Pressure Adjust	psi	75-300	75-300	75-300	75-300	75-300	75-300
	psi	75-300	75-300	75-300	75-300	75-300	75-300
Barrel Heating Capacity	kW	56	43	63	54	62	55
	kW	56	43	63	54	62	55

General Machine Specifications

	Measure	4300	6800	6700
Pump Motor	hp	100	100	100
	kW	75	75	75
Pump Capacity	gpm	142	142	142
	lpm	538	538	538
Oil Capacity	gal.	800	800	800
	l	3,032	3,032	3,032
Machine Weight (approx.)	lb.	110,000	110,000	117,160
	kg	49,895	49,895	53,145
Machine Dimensions				
Length	ft.	34.3	37.3	39.2
	m	10.5	11.4	12.0
Width	ft.	8.4	8.4	8.4
	m	2.7	2.7	2.7
Height	ft.	9.6	9.6	9.6
	m	2.9	2.9	2.9

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.

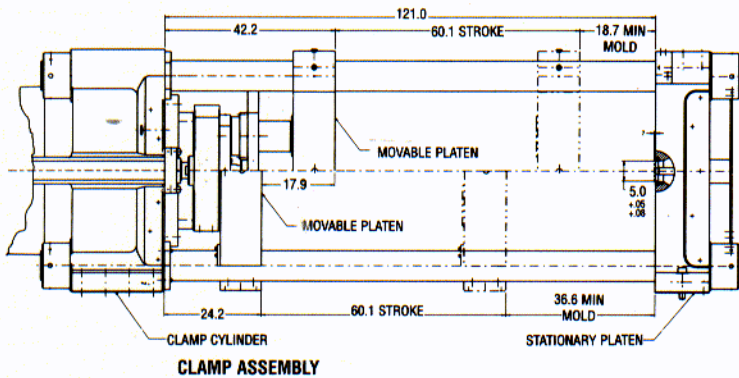
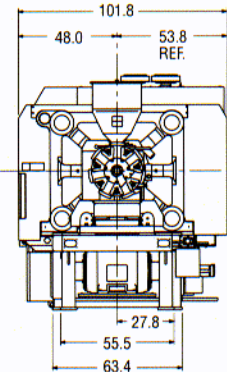
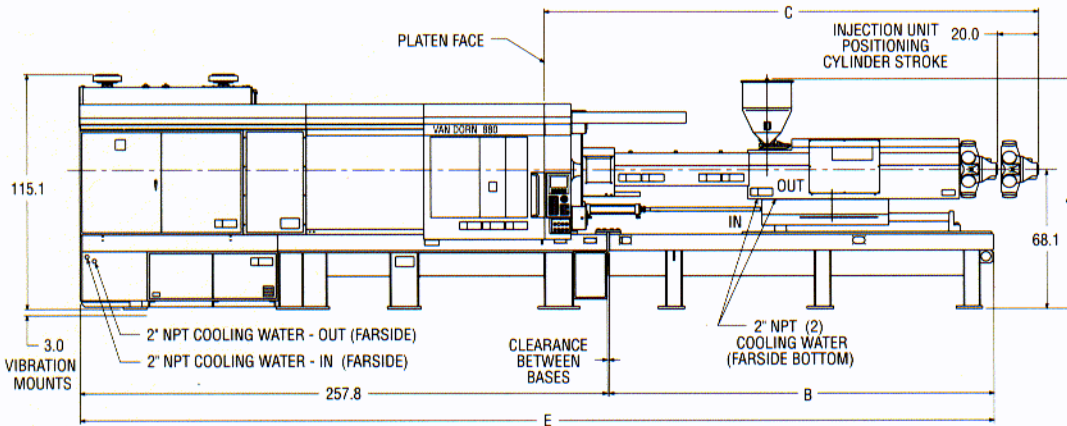
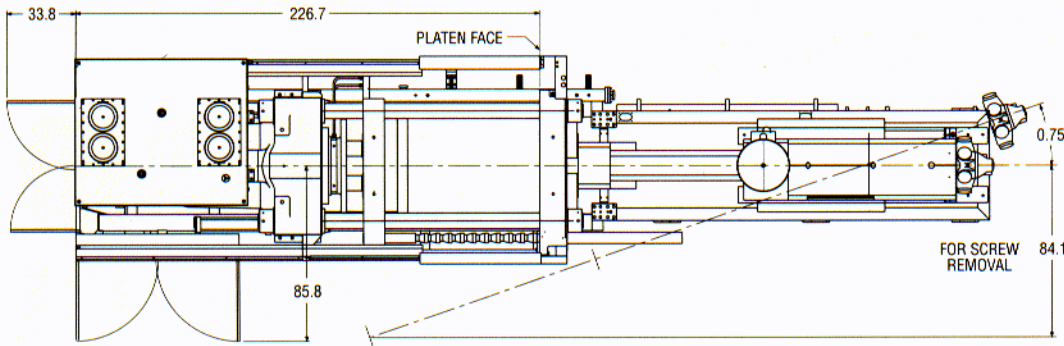
Clamp Unit

Clamp Force	U.S. tons kN	880 7,830
Open Force	U.S. tons kN	47 420
Clamp Stroke - Max.	in. mm	52.2 1,325
Open Daylight - Max. (w/o Ejector Box)	in. mm	75.8 1,925
Mold Thickness - Min. (w/ Ejector Box)	in. mm	23.6 599
Ejector Box Thickness	in. mm	17.80 450
Distance Between Tie Bars		
Horizontal	in. mm	46.3 1,175
	in. mm	39.4 1,000
Vertical	in. mm	46.3 1,175
	in. mm	39.4 1,000
Platen Size		
Horizontal (Standard)	in. mm	66 1,675
	in. mm	59 1,500
Vertical	in. mm	59 1,500
	in. mm	59 1,500
Tie Bar Diameter	in. mm	7.5 190.5
	in. mm	7.5 190.5
Clamp Speeds		
Closing	in./sec. mm/sec.	20.7 526
	in./sec. mm/sec.	16.5 419
Opening	in./sec. mm/sec.	16.5 419
	in./sec. mm/sec.	16.5 419
Ejector Force	U.S. tons kN	20 178
	U.S. tons kN	20 178
Ejector Stroke	in. mm	7.9 200
	in. mm	7.9 200

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.

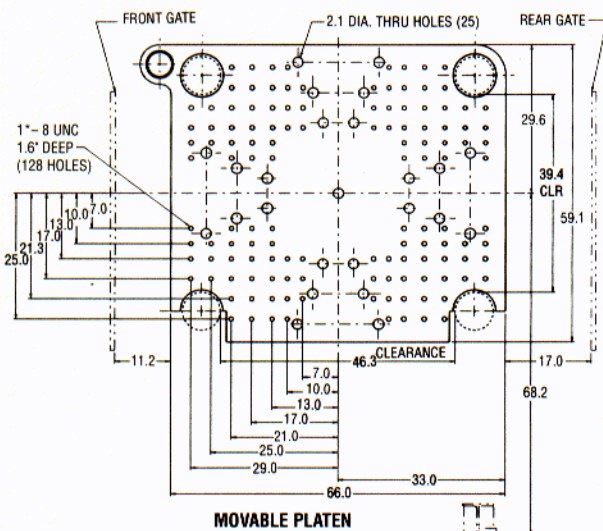
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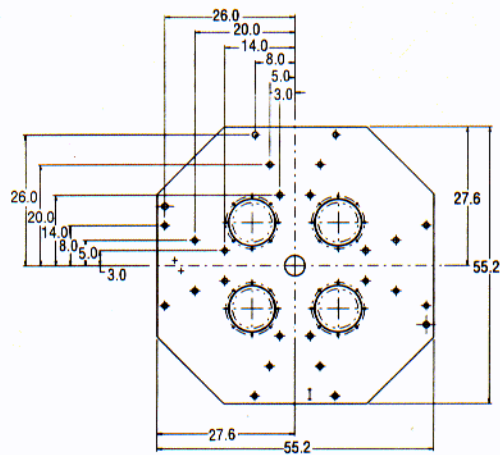


CLAMP ASSEMBLY

Injection Unit	A	B	C	E
STANDARD BARREL				
95mm / 4300	111.6	153.5	221.0	412.4
110mm / 6800	112.6	188.0	242.0	446.8
115mm / 165 oz.	117.0	188.0	258.6	446.8



MOVABLE PLATEN



EJECTOR PLATE

VAN DORN DEMAG®

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