

VANDORN™

SPECTRA
MODEL 730

Injection Unit

International Size	Measure	2800		4300		6800	
		Std.	HiPr	Std.	HiPr	Std.	HiPr
Injection Capacity (GPPS)	oz.	59.2	45.3	89.6	63.5	139.1	103.7
	g	1,678	1,285	2,540	1,801	3,943	2,941
Injection Capacity	cu. in.	108.6	83.1	164.4	116.6	255.2	190.3
	ccm	1,779	1,362	2,694	1,910	4,181	3,119
Recovery Rate (GPPS)	oz./sec.	3.04	3.15	3.77	3.28	4.43	3.31
	g/sec	86	89	107	93	126	94
Injection Pressure	psi	22,656	29,592	23,136	32,625	23,488	31,490
	bar	1,562	2,040	1,595	2,249	1,619	2,171
Injection Rate (@ 10,000 psi @ 700 bar)	cu.in./sec.	50.5	38.6	49.4	35.0	48.7	36.3
	ccm/sec	827	633	810	574	797	595
Injection Stroke	in.	13.9	13.9	15.0	15.0	17.3	17.3
	mm	354	354	380	380	440	440
Screw Diameter	in.	3.15	2.76	3.74	3.15	4.33	3.74
	mm	80	70	95	80	110	95
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	179	286	151	193	130	133
	rpm	179	286	151	193	130	133
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	38.0	34.0	56.0	42.8	63.1	53.8
	kW	38.0	34.0	56.0	42.8	63.1	53.8

General Machine Specifications

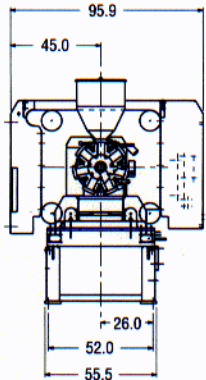
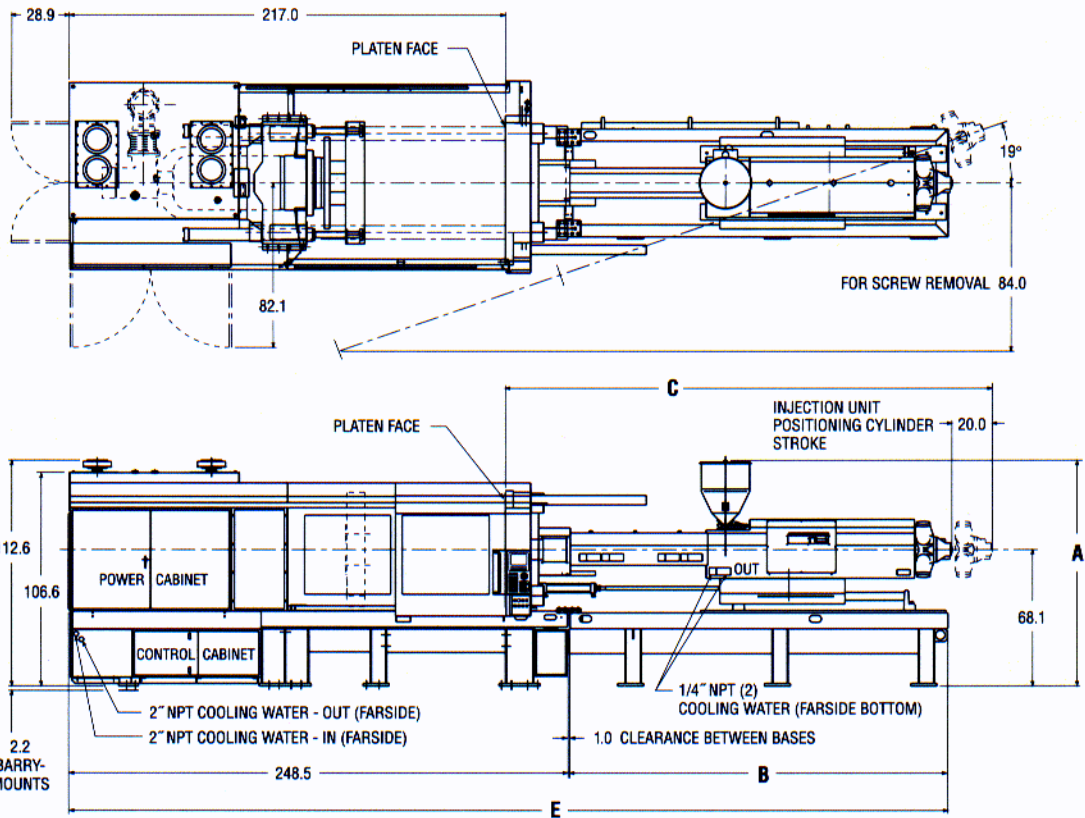
	Measure	2800	4300	6800
Pump Motor	hp	100	100	100
	kW	75	75	75
Pump Capacity	gpm	142	142	142
	lpm	538	538	538
Oil Capacity	gal.	500	500	500
	l	1,893	1,893	1,893
Machine Weight (approx.)	lb.	82,700	84,100	85,800
	kg	37,546	38,181	38,953
Machine Dimensions				
Length	ft.	34.3	36.5	40.1
	m	10.5	11.1	12.2
Width	ft.	8.0	8.0	8.0
	m	2.4	2.4	2.4
Height	ft.	9.4	9.4	9.4
	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	730
	kN	6,497
Open Force	U.S. tons	38
	kN	336
Clamp Stroke - Max.	in.	52.2
	mm	1,325
Open Daylight - Max.	in.	70.1
	mm	1,780
Mold Thickness - Min.	in.	17.9
	mm	455
Distance Between Tie Bars		
Horizontal	in.	42.3
	mm	1,075
Vertical	in.	39.4
	mm	1,000
Platen Size		
Horizontal (Standard)	in.	59.8
	mm	1,520
Vertical	in.	56.9
	mm	1,446
Tie Bar Diameter	in.	6.7
	mm	171
Clamp Speeds		
Closing	in./sec.	29.6
	mm/sec.	751
Opening	in./sec.	21.1
	mm/sec.	536
Ejector Force	U.S. tons	20
	kN	178
Ejector Stroke	in.	7.9
	mm	200

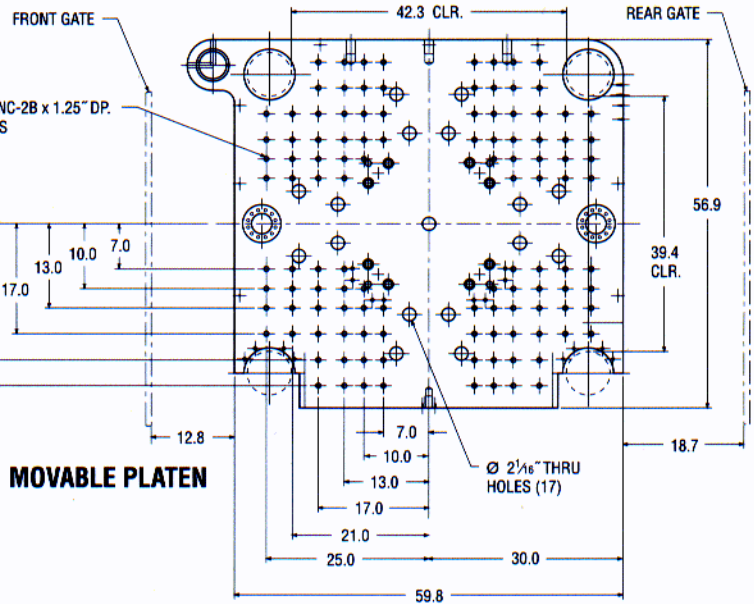
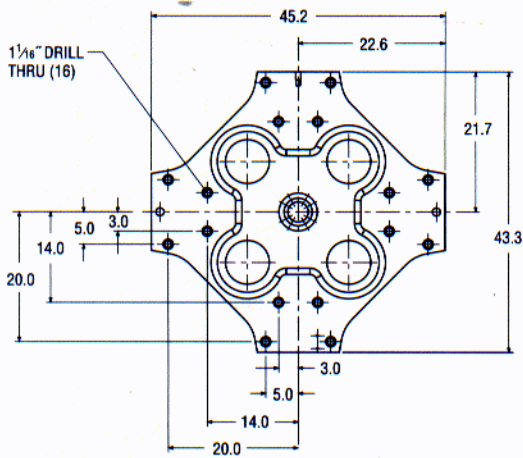
The specifications listed are standard. However, Van Dorn Demag will provide engineered options and solutions to meet virtually any performance requirements including high-pressure and high-speed configurations.



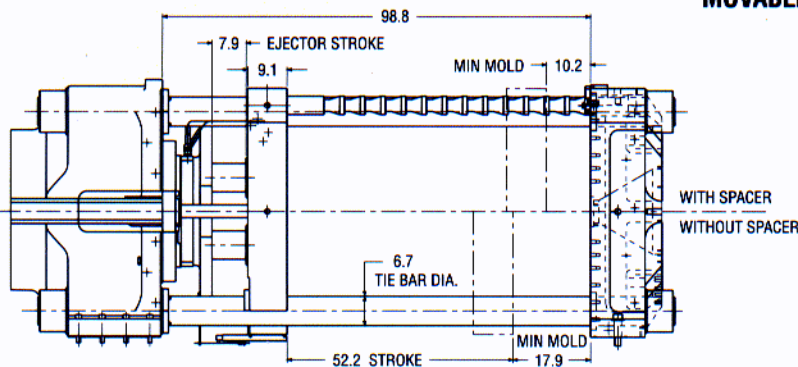
Injection Unit	A (in.)	B (in.)	E (in.)	C (in.)
STANDARD BARREL				
95 mm / 4300	111.6	153.5	402.1	221.0
110 mm / 6800	112.6	188.0	436.6	242.0

*Note: Dimensions are based on optional hopper.

EJECTOR PLATE



MOVABLE PLATEN



CLAMP ASSEMBLY



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