

VANDORN™

CALIBER
MODEL 1430

Injection Unit

International Size		6800		6800-C		12300	
	Measure	Std.	HiPr	Std.	Std.	HiPr	
Injection Capacity (GPPS)	oz. g	139 3,943	104 2,941	166 4,692	265 4,340	190 5,376	
Injection Capacity	cu. in. ccm	255 4,181	190 3,119	304 4,976	486 7,964	348 5,702	
Recovery Rate (GPPS)	oz./sec. g/sec	4.43 126	4.50 128	6.23 177	6.45 183	4.36 124	
Injection Pressure	psi bar	23,488 1,619	31,490 2,171	19,736 1,361	22,522 1,553	31,457 2,169	
Injection Rate (@ 10,000 psi @ 700 bar)	cu. in./sec. ccm/sec	69.7 1,143	52.0 852	83.0 1,360	78.4 1,284	56.1 919	
Injection Stroke	in. mm	17.3 440	17.3 440	17.3 440	23.6 600	23.6 600	
Screw Diameter	in. mm	4.33 110	3.74 95	4.72 120	5.12 130	4.33 110	
Screw 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 rpm	130 130	180 180	152 152	127 127	127 127	
Back Pressure Adjust	psi bar	75-300 5-21	75-300 5-21	75-300 5-21	75-300 5-21	75-300 5-21	
Barrel Heating Capacity	kW kW	63.1 63.1	53.8 53.8	68.2 68.2	82.6 82.6	* *	

General Machine Specifications

	Measure	6800	6800-C	12300
Pump Motor	hp kW	155 116	155 116	155 116
Pump Capacity	gpm Lpm	200 757	200 757	200 757
Oil Capacity	gal. L	250 946	250 946	250 946
Machine Weight (approx.)	lb. kg	150,700 68,400	150,700 68,400	157,500 71,500
Machine Dimensions				
Length	ft. m	36.6 11.2	37.3 11.4	37.0 11.1
Width	ft. m	11.9 3.6	11.9 3.6	11.9 3.6
Height	ft. m	9.8 3.0	9.8 3.0	9.8 3.0

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	1,430 12,727
Open Force	U.S. tons kN	85.0 755
Clamp Stroke - Max.	in. mm	83.5 2,120
Open Daylight - Max.	in. mm	109 2,760
Mold Thickness - Min.	in. mm	25.2 640
Mold Thickness - Max.	in. mm	60.6 1,540
Distance Between Tie Bars		
Horizontal	in. mm	61.8 1,570
Vertical	in. mm	51.2 1,300
Platen Size		
Horizontal (Standard)	in. mm	83.9 2,130
Vertical	in. mm	74.0 1,880
Clamp Speeds		
Closing	in./sec. mm/sec.	23.8 604
Opening	in./sec. mm/sec.	29.7 755
Ejector Force	U.S. tons kN	24.5 218
Ejector Stroke	in. mm	10.8 275

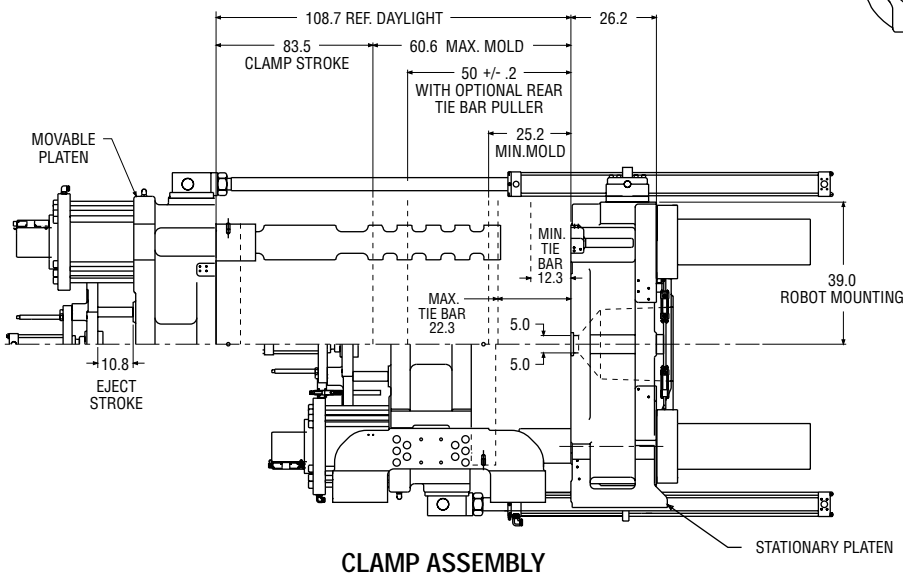
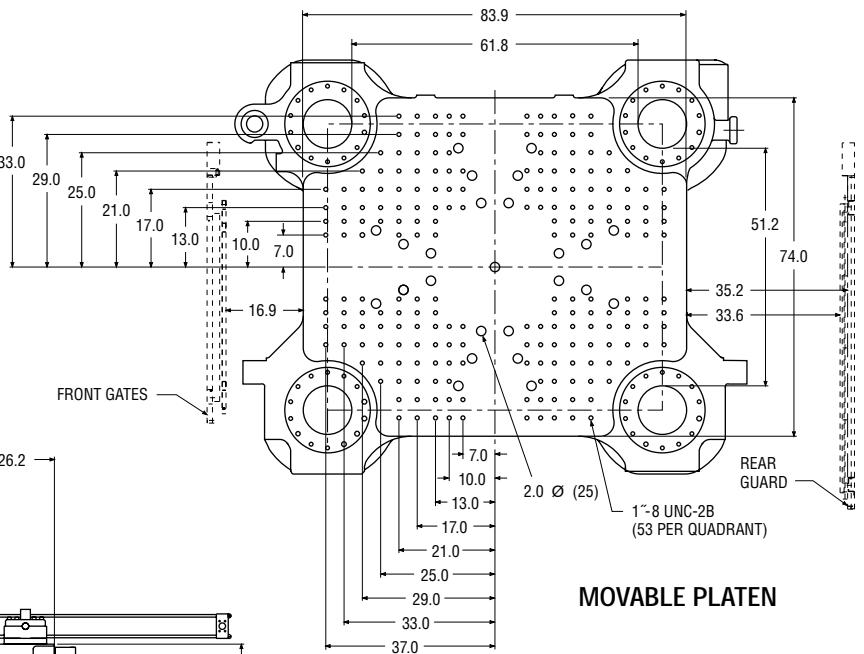
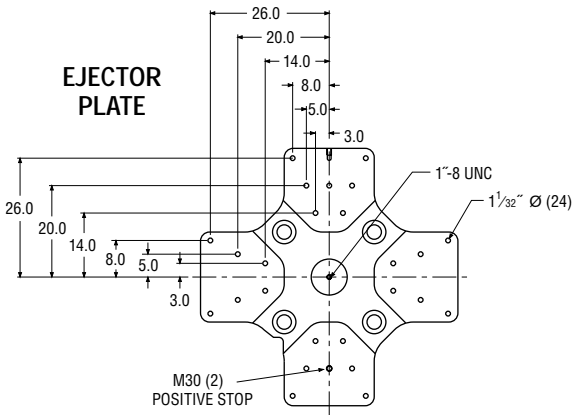
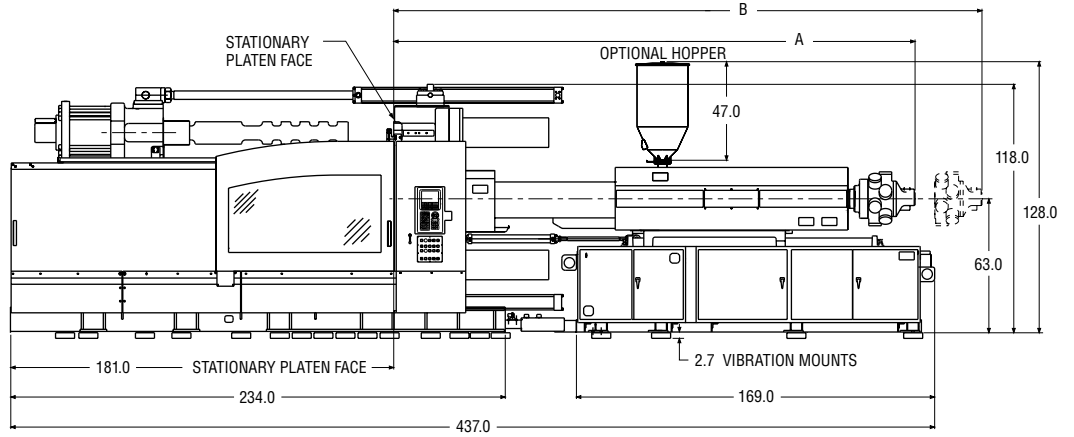
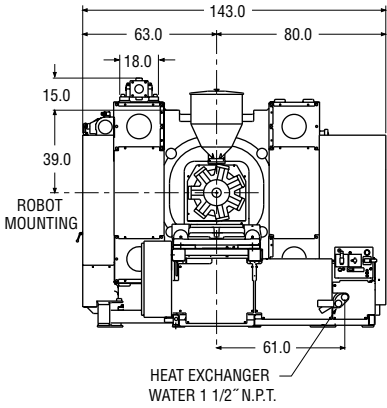
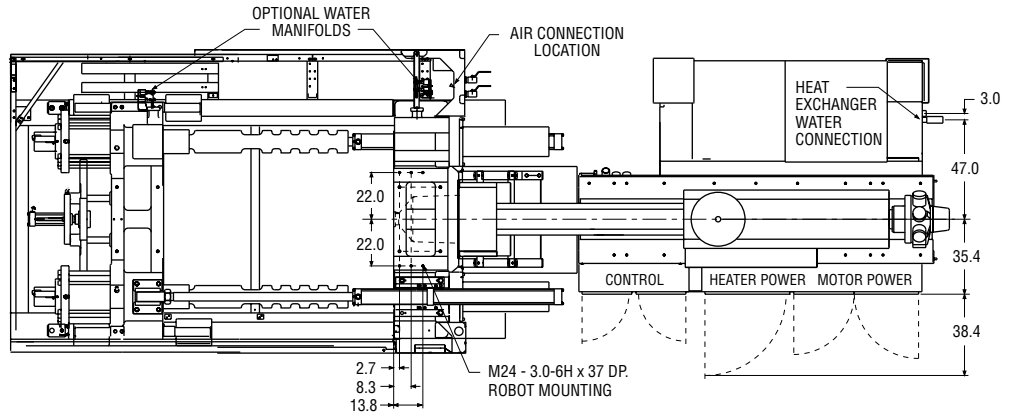
The specifications listed are standard. However, Van Dorn Demag will provide engineered options and solutions to meet virtually any performance requirements including high-pressure and high-speed configurations.

*Consult your sales representative.

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Injection Unit	"A"	"B"
95mm 20:1 6800RR	206.8	242.2
110mm 20:1 6800RR	220.5	255.9
130mm 20:1 12,300	223.4	262.8



CLAMP ASSEMBLY

DemagPlastics Group
VAN DORN

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