

VANDORN™

Newbury

MODEL 400

Tie Bar Vertical Clamp

Injection Unit

	Measure	15-oz.	21-oz.	1920		2800	
Injection Capacity (GPPS)	oz. g	15.3 434	21.5 610	40.3 1,143	29.6 840	59.2 1,678	45.3 1,285
Injection Capacity	cu. in. ccm	28.3 463	39.8 652	74.0 1,212	54.4 891	108.6 1,779	83.1 1,362
Recovery Rate (GPPS)	oz./sec. g/sec	1.70 48.2	1.65 46.8	1.86 52.9	1.18 33.4	4.01 113.6	2.62 74.4
Injection Pressure	psi bar	25,000 1,720	19,753 1,360	23,200 1,600	31,422 2,167	22,664 1,563	29,595 2,041
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu. in./sec. ccm/sec	15.4 252	19.5 319	19.5 319	14.3 235	19.7 323	15.1 247
Injection Stroke	in. mm	9.0 229	10.0 254	12.4 315	12.4 315	13.9 354	13.9 354
Screw Diameter	in. mm	2.00 51	2.25 57	2.76 70	2.36 60	3.15 80	2.76 70
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
Max. Screw Speed	rpm rpm	372 372	260 260	167 167	167 167	120 120	120 120
Back Pressure Adjust	psi bar	75-300 5-21	75-300 5-21	50-300 4-20	50-300 4-20	50-300 4-20	50-300 4-20
Barrel Heating Capacity	kW kW	11.3 11.3	15.0 15.0	35.0 35.0	24.0 24.0	38.0 38.0	34.0 34.0

General Machine Specifications

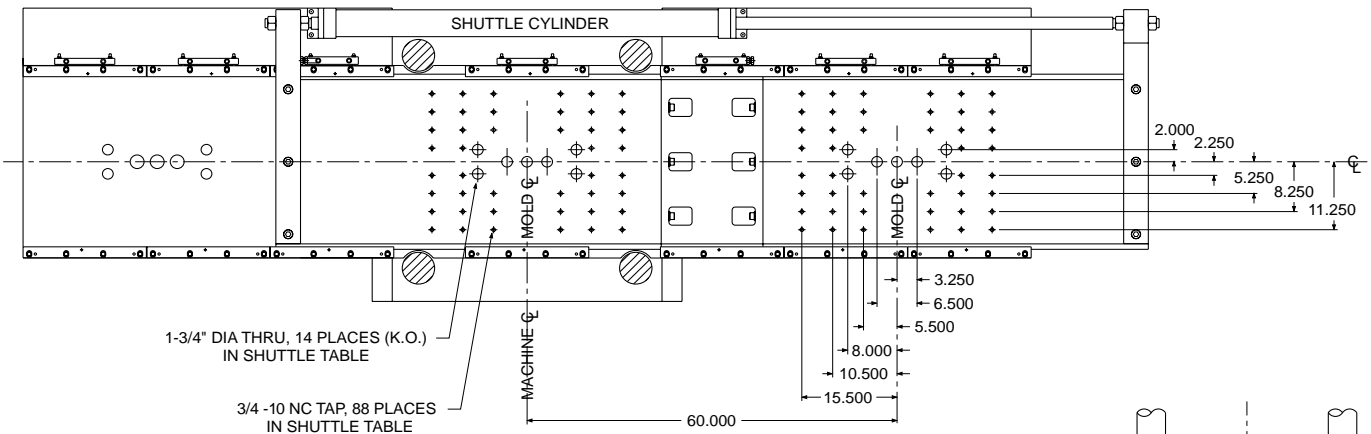
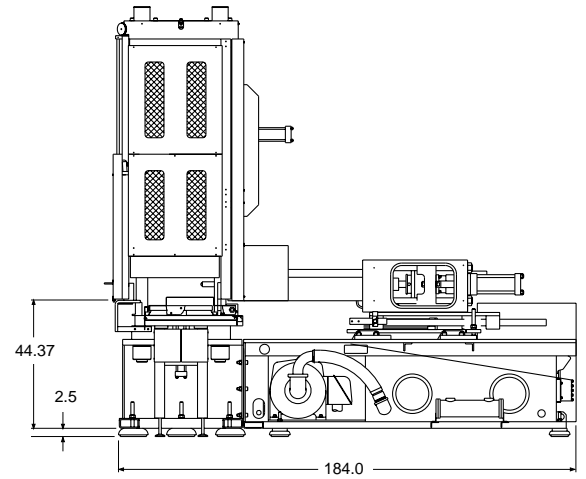
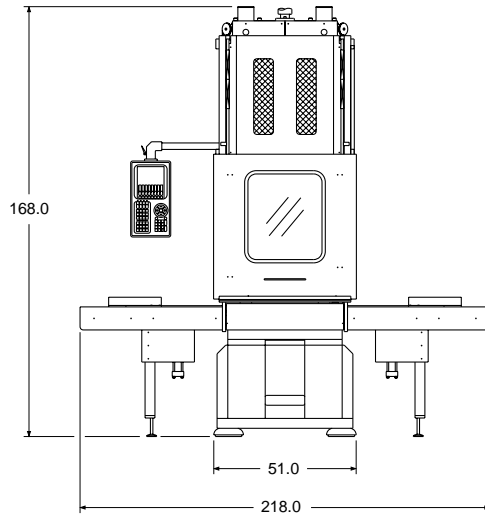
	Measure	15-oz.	21-oz.	1920		2800	
Pump Motor	hp kW	50 37	50 37	50 37	50 37	50 37	50 37
Pump Capacity	gpm lpm	50 254	50 254	50 254	50 254	50 254	50 254
Oil Capacity	gal. L	170 643	170 643	170 643	170 643	170 643	170 643
Machine Weight (approx.)	lb. kg	40,000 18,100	40,000 18,100	40,000 18,100	40,000 18,100	40,000 18,100	40,000 18,100
Machine Dimensions							
Length	ft. m	15.3 4.7	15.3 4.7	15.3 4.7	15.3 4.7	15.3 4.7	15.3 4.7
Width	ft. m	17.3 5.3	17.3 5.3	17.3 5.3	17.3 5.3	17.3 5.3	17.3 5.3
Height	ft. m	13.3 4.0	13.3 4.0	13.3 4.0	13.3 4.0	13.3 4.0	13.3 4.0

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

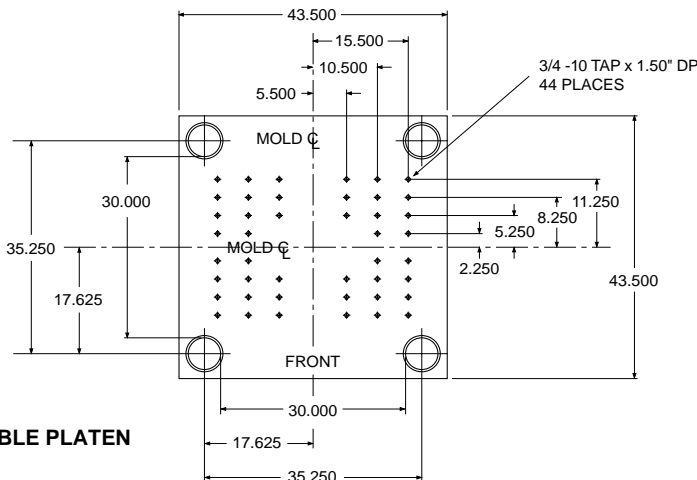
Clamp Force	U.S. tons kN	400 3,559
Clamp Stroke – Max.	in. mm	18.5 470
Open Daylight – Max.	in. mm	45 1,143
Mold Thickness		
Minimum	in. mm	12.5 318
Maximum	in. mm	26.5 700
Max. Mold Space		
Depth	in. mm	30 756
Width	in. mm	40 1,016
Distance Between Tie Bars		
Depth	in. mm	30 762
Width	in. mm	30 762
Center Line of Injection		
Minimum	in. mm	9.0 229
Maximum	in. mm	13.5 343
Shuttle Stroke	in. mm	60 1,524
Upper Platen Size		
Depth	in. mm	43.5 1,105
Width	in. mm	43.5 1,105
Tie Bar Diameter	in. mm	5.25 133
Clamp Speeds		
Closing	in./sec. mm/sec	4 102
Opening	in./sec. mm/sec	3 76

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.



SHUTTLE TABLE PLATEN

NOTE: DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE UNLESS SPECIFIED OTHERWISE.



MOVABLE PLATEN

