

VANDORN™

Newbury

MODEL 300

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	1.48 42.0	1.38 39.1	1.57 44.4	0.99 28.0	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	12.9 212	16.4 268	16.4 268	12.0 197	16.6 271	12.7 208
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	312 312	219 219	140 140	140 140	101 101	101 101
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

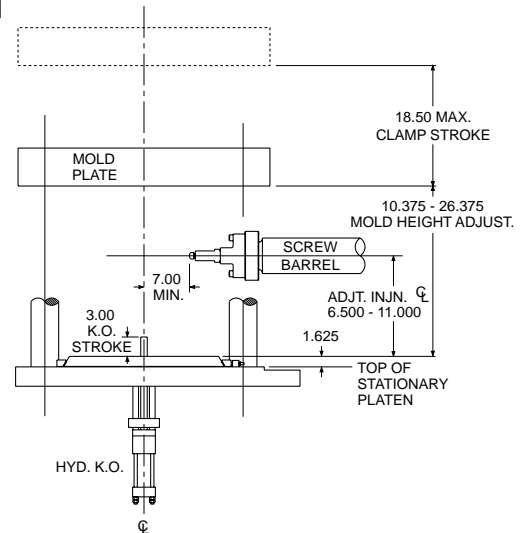
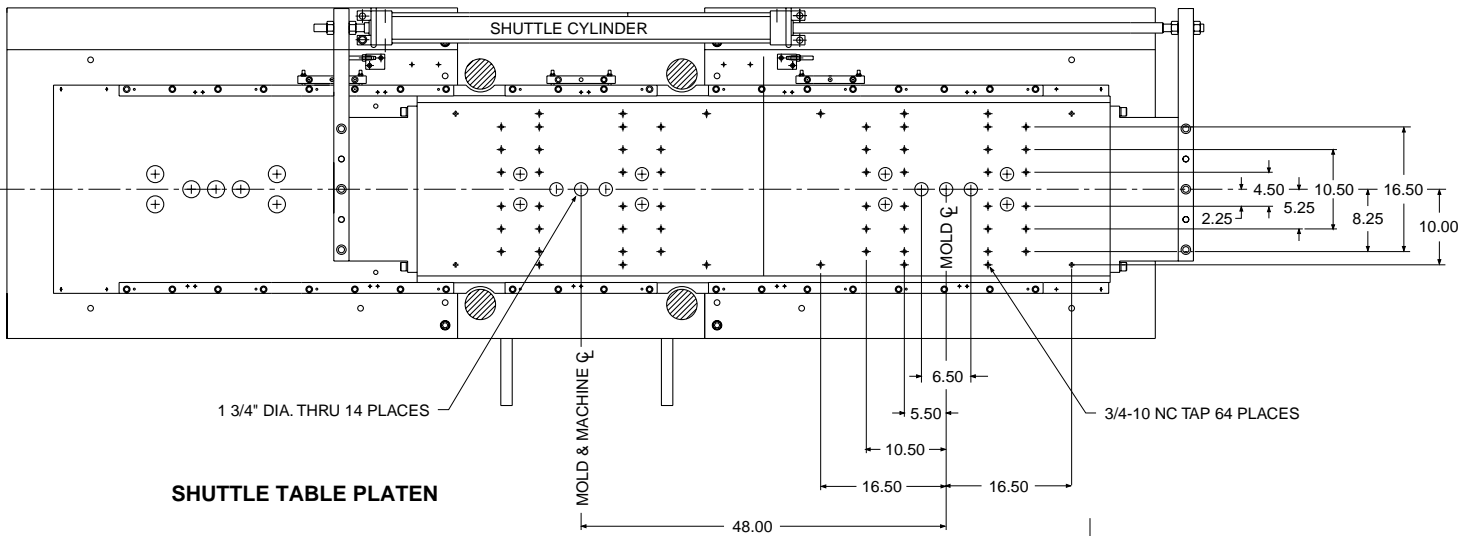
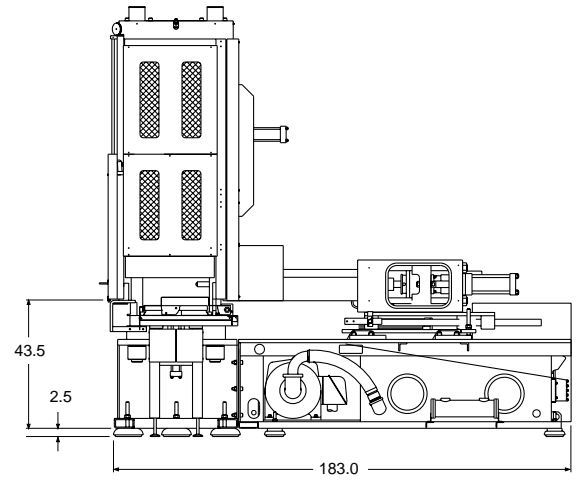
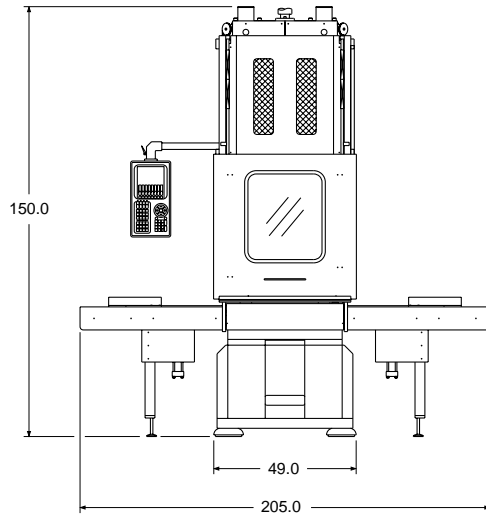
	Measure	15-oz.	21-oz.	1920		2800	
Pump Motor	hp kW	50 37	50 37	50 37	50 37	50 37	50 37
Pump Capacity	gpm lpm	42 159	42 159	42 159	42 159	42 159	42 159
Oil Capacity	gal. L	170 643	170 643	170 643	170 643	170 643	170 643
Machine Weight (approx.)	lb. kg	29,000 13,200	29,000 13,200	29,000 13,200	29,000 13,200	29,000 13,200	29,000 13,200
Machine Dimensions							
Length	ft. m	13.0 4.0	13.0 4.0	13.0 4.0	13.0 4.0	13.0 4.0	13.0 4.0
Width	ft. m	15.0 4.6	15.0 4.6	15.0 4.6	15.0 4.6	15.0 4.6	15.0 4.6
Height	ft. m	12.5 3.8	12.5 3.8	12.5 3.8	12.5 3.8	12.5 3.8	12.5 3.8

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	300 2,669
Clamp Stroke – Max.	in. mm	18.5 470
Open Daylight – Max.	in. mm	45 1,140
Mold Thickness		
Minimum	in. mm	10.4 263
Maximum	in. mm	26.4 670
Max. Mold Space		
Depth	in. mm	24 603
Width	in. mm	36 902
Distance Between Tie Bars		
Depth	in. mm	26 565
Width	in. mm	22 667
Center Line of Injection		
Minimum	in. mm	6.5 165
Maximum	in. mm	11 279
Shuttle Stroke	in. mm	42 1,067
Upper Platen Size		
Depth	in. mm	39 984
Width	in. mm	39 991
Tie Bar Diameter	in. mm	4.25 108
Clamp Speeds		
Closing	in./sec. mm/sec	9 229
Opening	in./sec. mm/sec	7 178

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.



NOTE: DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES UNLESS SPECIFIED OTHERWISE.

