VAN DORN®

300 HT SERIES

Injection Unit

	Measure	14-oz.	20-oz.	30-oz.
Injection Capacity (GPPS)	oz. g	14 397	20 567	30 850
Injection Capacity	cu. in. ccm	27.0 442	40.0 655	59.2 970
Recovery Rate (GPPS) (With increased screw speed)	oz./sec. g/sec oz./sec. g/sec	1.35 38.3 2.10 59.5	1.65 46.8 2.65 75.1	2.02 57.3 3.05 86.5
Injection Pressure	psi bar	20,100 1,386	20,000 1,379	20,100 1,386
Injection Rate (@10,000 psi) (@ 700 bar)	cu. in./sec. ccm/sec	26.1 427	26.1 427	26.0 426
Injection Stroke	in. mm	8.88 225	10.13 257	11.50 292
Screw Diameter	in. mm	1.97 50	2.24 57	2.56 65
Barrel L/D Ratio		20/1 20/1	20/1 20/1	20/1 20/1
Screw Speed Range	rpm rpm	30-290 30-290	30-250 30-250	30-220 30-220
Back Pressure Adjust	psi bar	50-300 3-20	50-300 3-20	50-300 3-20

General Machine Specifications

	Measure	14-oz.	20-oz.	30-oz.
Pump Motor	hp kW	50 37	50 37	50 37
Pump Capacity	gpm lpm	68 257	68 257	68 257
Oil Capacity	gal. l	160 605	160 605	160 605
Machine Weight (approx.)	lb. kg	28,200 12,792	28,200 12,792	28,200 12,792
Machine Dimensions				
Length	ft. m	24.2 7.4	24.2 7.4	25.0 7.6
Width	ft. m	5.2 1.6	5.2 1.6	5.2 1.6
Height	ft. m	8.0 2.4	8.0 2.4	8.2 2.5
Barrel Heating Capacity	kW kW	15.5 15.5	18.2 18.2	20.0 20.0

Clamp Unit

Clamp Force	U.S. tons kN	300 2,669
Clamp Stroke - Max.	in. mm	24 610
Open Daylight - Max.	in. mm	49 1,245
Mold Thickness - Min.	in. mm	8 203
Distance Between Tie Bars		
Horizontal	in. mm	25 635
Vertical	in. mm	25 635
Platen Size		
Horizontal	in. mm	37 940
Vertical	in. mm	37 940
Tie Bar Diameter	in. mm	4.25 108
Clamp Speeds		
Closing	in./sec. mm/sec	27 686
Opening	in./sec. mm/sec	39 991
Ejector Force	U.S. tons kN	8.3 74
Ejector Stroke	in. mm	6.0 152

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.

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.