

VAN DORN®

230 HT SERIES

Injection Unit

	Measure	14-oz.	20-oz.	30-oz.
Injection Capacity (GPPS)	oz.	14	20	30
	g	397	567	850
Injection Capacity	cu. in.	27.0	40.0	59.2
	ccm	442	655	970
Recovery Rate (GPPS) (With increased screw speed)	oz./sec.	1.35	1.65	2.02
	g/sec	38.3	46.8	57.3
	oz./sec.	1.95	2.50	2.50
	g/sec	55.3	70.9	70.9
Injection Pressure	psi	20,100	20,000	20,100
	bar	1,386	1,379	1,386
Injection Rate (@10,000 psi) (@ 700 bar)	cu. in./sec.	21.0	21.1	21.0
	ccm/sec	344	346	344
Injection Stroke	in.	8.88	10.13	11.50
	mm	225	257	292
Screw Diameter	in.	1.97	2.24	2.56
	mm	50	57	65
Barrel L/D Ratio		20/1	20/1	20/1
		20/1	20/1	20/1
Screw Speed Range	rpm	30-290	30-250	30-220
	rpm	30-290	30-250	30-220
Back Pressure Adjust	psi	50-300	50-300	50-300
	bar	3-20	3-20	3-20

General Machine Specifications

	Measure	14-oz.	20-oz.	30-oz.
Pump Motor	hp	40	40	40
	kW	30	30	30
Pump Capacity	gpm	55	55	55
	lpm	207	207	207
Oil Capacity	gal.	120	120	120
	l	450	450	450
Machine Weight (approx.)	lb.	21,300	21,300	21,300
	kg	9,670	9,670	9,670
Machine Dimensions				
Length	ft.	21.2	22.3	23.1
	m	6.5	6.8	7.0
Width	ft.	4.7	4.7	4.7
	m	1.4	1.4	1.4
Height	ft.	7.8	7.8	7.8
	m	2.4	2.4	2.4
Barrel Heating Capacity	kW	15.5	18.2	20.0
	kW	15.5	18.2	20.0

Clamp Unit

Clamp Force	U.S. tons kN	230 2,046
Clamp Stroke - Max.	in. mm	20 508
Open Daylight - Max.	in. mm	42 1,067
Mold Thickness - Min.	in. mm	7 178
Distance Between Tie Bars		
Horizontal	in. mm	22 560
Vertical	in. mm	22 560
Platen Size		
Horizontal	in. mm	32 813
Vertical	in. mm	32 813
Tie Bar Diameter	in. mm	3.75 95
Clamp Speeds		
Closing	in./sec. mm/sec	29 737
Opening	in./sec. mm/sec	39 991
Ejector Force	U.S. tons kN	5.0 44
Ejector Stroke	in. mm	4.5 114

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.