

VAN DORN[®]

650 HT SERIES

Injection Unit

	Measure	60-oz.	80-oz.	125-oz.
Injection Capacity (GPPS)	oz.	60	80	125
	g	1,701	2,268	3,544
Injection Capacity	cu. in.	111.5	144.2	224.8
	ccm	1,827	2,363	3,684
Recovery Rate (GPPS)	oz./sec.	4.75	5.05	4.20
	g/sec	134.7	143.2	119.1
Injection Pressure	psi	20,400	20,100	19,700
	bar	1,407	1,386	1,358
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu. in./sec.	56.5	57.0	58.0
	ccm/sec	926	934	950
Injection Stroke	in.	14.31	14.62	16.75
	mm	363	371	425
Screw Diameter	in.	3.15	3.54	4.13
	mm	80	90	105
Barrel L/D Ratio		20/1	20/1	20/1
		20/1	20/1	20/1
Screw Speed Range	rpm	30-325	30-260	30-155
	rpm	30-325	30-260	30-155
Back Pressure Adjust	psi	75-300	75-300	75-300
	bar	5-21	5-21	5-21

General Machine Specifications

	Measure	60-oz.	80-oz.	125-oz.
Pump Motor	hp	100	100	100
	kW	75	75	75
Pump Capacity	gpm	155	155	155
	lpm	587	587	587
Oil Capacity	gal.	318	318	318
	l	1,200	1,200	1,200
Machine Weight (approx.)	lbs.	65,000	65,000	65,000
	kg	29,484	29,484	29,484
Machine Dimensions				
Length	ft.	34.0	34.5	35.0
	m	10.4	10.5	10.7
Width	ft.	7.0	7.0	7.0
	m	2.1	2.1	2.1
Height	ft.	9.2	9.3	9.3
	m	2.8	2.8	2.8

Clamp Unit

Clamp Force	U.S. tons kN	650 5,783
Clamp Stroke - Max.	in. mm	35.5 902
Open Daylight - Max.	in. mm	69.5 1,765
Mold Thickness - Min.	in. mm	12 305
Distance Between Tie Bars		
Horizontal	in. mm	36 914
Vertical	in. mm	36 914
Platen Size		
Horizontal	in. mm	53 1,346
Vertical	in. mm	53 1,346
Tie Bar Diameter	in. mm	6.25 159
Clamp Speeds		
Closing	in./sec. mm/sec	27 686
Opening	in./sec. mm/sec	39 991
Ejector Force	U.S. tons kN	19.6 174
Ejector Stroke	in. mm	8.0 203

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.