

# VANDORN™

# Integra

MODEL 165

## Injection Unit

International Size	Measure	360			500			720		
		Std.	HiPr	xHiPr	Std.	HiPr	xHiPr	Std.	HiPr	xHiPr
Injection Capacity (GPPS)	oz.	9.7	7.7	5.9	13.3	10.7	8.5	21.2	14.7	11.9
	g	276	218	167	376	304	241	600	417	337
Injection Capacity	cu. in.	17.9	14.1	10.8	24.3	19.7	15.6	38.8	27.0	21.8
	ccm	293	231	177	399	323	255	636	442	358
Recovery Rate (GPPS)	oz./sec.	1.18	1.04	0.99	1.38	1.18	1.30	1.67	1.38	1.16
	g/sec	33.4	29.4	28.1	39.0	33.4	36.8	47.4	39.0	32.9
Injection Pressure	psi	17,901	22,656	29,592	19,511	24,088	30,486	16,498	23,757	29,329
	bar	1,234	1,562	2,040	1,345	1,661	2,102	1,138	1,638	2,022
Injection Rate (@ 10,000 psi) (@ 700 bar)	cu. in./sec.	21.0	16.6	12.7	19.2	15.6	12.3	22.7	15.8	12.8
	ccm/sec	344	271	208	315	255	202	373	259	210
Injection Stroke	in.	7.2	7.2	7.2	8.0	8.0	8.0	8.9	8.9	8.9
	mm	184	184	184	203	203	203	225	225	225
Screw Diameter	in.	1.77	1.57	1.38	1.97	1.77	1.57	2.36	1.97	1.77
	mm	45	40	35	50	45	40	60	50	45
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	20/1	20/1	20/1	20/1	20/1	20/1

## Clamp Unit

Clamp Force	U.S. tons	165
	kN	1,469
Clamp Stroke - Max.	in.	19.7
	mm	500
Open Daylight - Max.	in.	41.7
	mm	1,060
Mold Thickness - Min.	in.	9.8
	mm	250
<b>Distance Between Tie Bars</b>		
Horizontal	in.	19.7
	mm	500
Vertical	in.	19.7
	mm	500
<b>Platen Size</b>		
Horizontal	in.	29.5
	mm	750
Vertical	in.	29.5
	mm	750
<b>Ejector</b>		
Ejector Force	U.S. tons	5.6
	kN	50
Ejector Stroke	in.	6.3
	mm	160

## General Machine Specifications

	Measure	360	500	720
Pump Motor	hp	30	30	30
	kW	22.4	22.4	22.4
Oil Capacity	gal.	90	90	90
	l	341	341	341
Machine Weight (approx.)	lb.	16,300	16,300	16,900
	kg	7,400	7,400	7,673
<b>Machine Dimensions</b>				
Length	ft.	17.1	17.1	17.1
	m	5.2	5.2	5.2
Width	ft.	4.9	4.9	4.9
	m	1.5	1.5	1.5
Height	ft.	6.9	6.9	6.9
	m	2.1	2.1	2.1

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.

**VANDORNDEMAG™**

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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.