

Specification



MZ4500V-1400

MZ Series: Electric with Integrated Hydraulics



CLAMPING UNIT		MZ4500 V / 1400
Clamping Force	kN	4500
	US Tons	506
Mold Opening Stroke	mm	800
	in.	31.5
Minimum Mold Height	mm	350
	in.	13.78
Maximum Mold Height	mm	810
	in.	31.89
Maximum Daylight	mm	1610
	in.	63.39
Distance Between Tie-Bars (HXV)	mm	910x910
	in.	35.83x35.83
Platen Dimensions (HXV)	mm	1250x1250
	in.	49.21x49.21
Minimum Mold Size	mm	590x590
	in.	23.23x23.23
Ejector Stroke	mm	180
	in.	7.09
Ejector Force	kN	98
	US Tons	11

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INJECTION UNIT		1400		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	55	60	65
	in.	2.17	2.36	2.56
Screw L/D Ratio	L/D	21.8	20	18.5
Injection Volume (theoretical)	cm ³	617	735	862
	cu.in.	37.65	44.85	52.60
Injection Weight (PS)	g	562	668	785
	oz.	19.82	23.56	27.69
Injection Pressure	MPa	214	180	153
	psi	31038	26107	22191
Holding Pressure	MPa	190	160	136
	psi	27557	23206	19725
Screw Speed	rpm	300	300	300
Plasticizing Rate (GPPS)	g/s	54	64	71
	oz./s	1.90	2.26	2.50
Plasticizing Rate (HDPE)	g/s	-	-	-
	oz./s	-	-	-
Nozzle Contact Force MZ	kN	85	85	85
	US Tons	9.55	9.55	9.55
Injection Unit Standard		1400		
Injection Speed	mm/s	160		
	in./s	6.3		
Injection Rate (PS)	g/s	332	395	463
	oz./s	11.71	13.93	16.33
Injection Unit High Speed		1400h		
Injection Speed	mm/s	250		
	in./s	9.84		
Injection Rate (PS)	g/s	518	617	724
	oz./s	18.27	21.76	25.54
Injection Unit Ultra High Speed		1400hs		
Injection Speed	mm/s	350		
	in./s	13.78		
Injection Rate (PS)	g/s	726	864	1014
	oz./s	25.61	30.48	35.77

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OTHER		
Heating Power	kW	29.3
Connection Power	kW/A	1400:52/87
		1400h:65/109
		1400hs:69/115
Machine Dimension (LxWxH)	m	8.00x2.15x2.51
	in.	315x85x99
Machine Weight MZ	t	22.3
	lbs.	49163
Hopper Capacity	l	50
	gal	13
Oil Pressure	MPa	17.5
	psi	2538
Oil Flow	l/min	141
	gal/min	37
Oil Tank Size	l	193
	gal	51

*NOTE:

1. Machine dimensions and weights are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Absolute Haitian service department for machine specific information.

2. Power requirements are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Absolute Haitian service department for machine specific information.

