

Specification



MZ1500V-300

MZ Series: Electric with Integrated Hydraulics



CLAMPING UNIT		MZ1500 V / 300
Clamping Force	kN	1500
	US Tons	169
Mold Opening Stroke	mm	420
	in.	16.54
Minimum Mold Height	mm	180
	in.	7.09
Maximum Mold Height	mm	520
	in.	20.47
Maximum Daylight	mm	940
	in.	37.01
Distance Between Tie-Bars (HXV)	mm	520x520
	in.	20.47x20.47
Platen Dimensions (HXV)	mm	740x740
	in.	29.13x29.13
Minimum Mold Size	mm	335x335
	in.	13.19x13.19
Ejector Stroke	mm	120
	in.	4.72
Ejector Force	kN	33
	US Tons	4

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INJECTION UNIT		300			
Screw & Barrel Designation		AA	A	B	C
Screw Diameter	mm	30	32	36	40
	in.	1.18	1.26	1.42	1.57
Screw L/D Ratio	L/D	21	22.5	20	18
Injection Volume (theoretical)	cm ³	102	116	147	182
	cu.in.	6.22	7.08	8.97	11.11
Injection Weight (PS)	g	92	106	134	165
	oz.	3.25	3.74	4.73	5.82
Injection Pressure	MPa	280	253	200	162
	psi	40611	36695	29008	23496
Holding Pressure	MPa	224	202	160	130
	psi	32488	29298	23206	18855
Screw Speed	rpm	400	400	400	400
Plasticizing Rate (GPPS)	g/s	13.3	16.6	20.1	27.7
	oz./s	0.47	0.59	0.71	0.98
Plasticizing Rate (HDPE)	g/s	-	-	-	-
	oz./s	-	-	-	-
Nozzle Contact Force MZ	kN	65	65	65	65
	US Tons	7.31	7.31	7.31	7.31
Injection Unit Standard		300			
Injection Speed	mm/s	200			
	in./s	7.87			
Injection Rate (PS)	g/s	123	140	177	219
	oz./s	4.34	4.94	6.24	7.72
Injection Unit High Speed		300h			
Injection Speed	mm/s	300			
	in./s	11.81			
Injection Rate (PS)	g/s	185	210	266	329
	oz./s	6.53	7.41	9.38	11.61
Injection Unit Ultra High Speed		300hs			
Injection Speed	mm/s	500			
	in./s	19.69			
Injection Rate (PS)	g/s	308	351	444	548
	oz./s	10.86	12.38	15.66	19.33

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OTHER					
Heating Power	kW	10.3	11.9	11.9	11.9
Connection Power	kW/A		300:20/34		
			300h:26/43		
			300hs:37/61		
Machine Dimension (LxWxH)	m	5.26x1.41x2.21			
	in.	207x56x87			
Machine Weight MZ	t	6.14			
	lbs.	13536			
Hopper Capacity	l	25			
	gal	7			
Oil Pressure	MPa	17.5			
	psi	2538			
Oil Flow	l/min	48			
	gal/min	13			
Oil Tank Size	l	67			
	gal	18			

*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.

