

Specification



MZ1900V-640

MZ Series: Electric with Integrated Hydraulics



CLAMPING UNIT		MZ1900 V / 640
Clamping Force	kN	1900
	US Tons	214
Mold Opening Stroke	mm	470
	in.	18.5
Minimum Mold Height	mm	200
	in.	7.87
Maximum Mold Height	mm	550
	in.	21.65
Maximum Daylight	mm	1020
	in.	40.16
Distance Between Tie-Bars (HXV)	mm	570x570
	in.	22.44x22.44
Platen Dimensions (HXV)	mm	800x800
	in.	31.5x31.5
Minimum Mold Size	mm	370x370
	in.	14.57x14.57
Ejector Stroke	mm	130
	in.	5.12
Ejector Force	kN	55
	US Tons	6

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INJECTION UNIT		640		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	40	45	50
	in.	1.57	1.77	1.97
Screw L/D Ratio	L/D	22.5	20	18
Injection Volume (theoretical)	cm ³	252	319	394
	cu.in.	15.38	19.47	24.04
Injection Weight (PS)	g	229	290	358
	oz.	8.08	10.23	12.63
Injection Pressure	MPa	253	200	162
	psi	36695	29008	23496
Holding Pressure	MPa	202	160	130
	psi	29298	23206	18855
Screw Speed	rpm	350	350	350
Plasticizing Rate (GPPS)	g/s	27	39	50
	oz./s	0.95	1.38	1.76
Plasticizing Rate (HDPE)	g/s	-	-	-
	oz./s	-	-	-
Nozzle Contact Force MZ	kN	65	65	65
	US Tons	7.31	7.31	7.31
Injection Unit Standard		640		
Injection Speed	mm/s	160		
	in./s	6.3		
Injection Rate (PS)	g/s	175	222	274
	oz./s	6.17	7.83	9.67
Injection Unit High Speed		640h		
Injection Speed	mm/s	250		
	in./s	9.84		
Injection Rate (PS)	g/s	274	347	428
	oz./s	9.67	12.24	15.10
Injection Unit Ultra High Speed		640hs		
Injection Speed	mm/s	350		
	in./s	13.78		
Injection Rate (PS)	g/s	384	486	600
	oz./s	13.55	17.14	21.16

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OTHER		
Heating Power	kW	14.8
Connection Power	kW/A	640:28/47 640h:32/53 640hs:49/82
Machine Dimension (LxWxH)	m	5.99x1.52x2.29
	in.	236x60x90
Machine Weight MZ	t	7.9
	lbs.	17417
Hopper Capacity	l	25
	gal	7
Oil Pressure	MPa	17.5
	psi	2538
Oil Flow	l/min	79
	gal/min	21
Oil Tank Size	l	107
	gal	28

*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.

