

Specification



MZ3000V-1400

MZ Series: Electric with Integrated Hydraulics



CLAMPING UNIT		MZ3000 V / 1400
Clamping Force	kN	3000
	US Tons	337
Mold Opening Stroke	mm	600
	in.	23.62
Minimum Mold Height	mm	280
	in.	11.02
Maximum Mold Height	mm	650
	in.	25.59
Maximum Daylight	mm	1250
	in.	49.21
Distance Between Tie-Bars (HXV)	mm	730x730
	in.	28.74x28.74
Platen Dimensions (HXV)	mm	1000x1000
	in.	39.37x39.37
Minimum Mold Size	mm	470x470
	in.	18.5x18.5
Ejector Stroke	mm	160
	in.	6.3
Ejector Force	kN	68.6
	US Tons	8

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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	7.03x1.90x2.42
	in.	277x75x95
Machine Weight MZ	t	13.6
	lbs.	29983
Hopper Capacity	l	50
	gal	13
Oil Pressure	MPa	17.5
	psi	2538
Oil Flow	l/min	90
	gal/min	24
Oil Tank Size	l	123
	gal	32

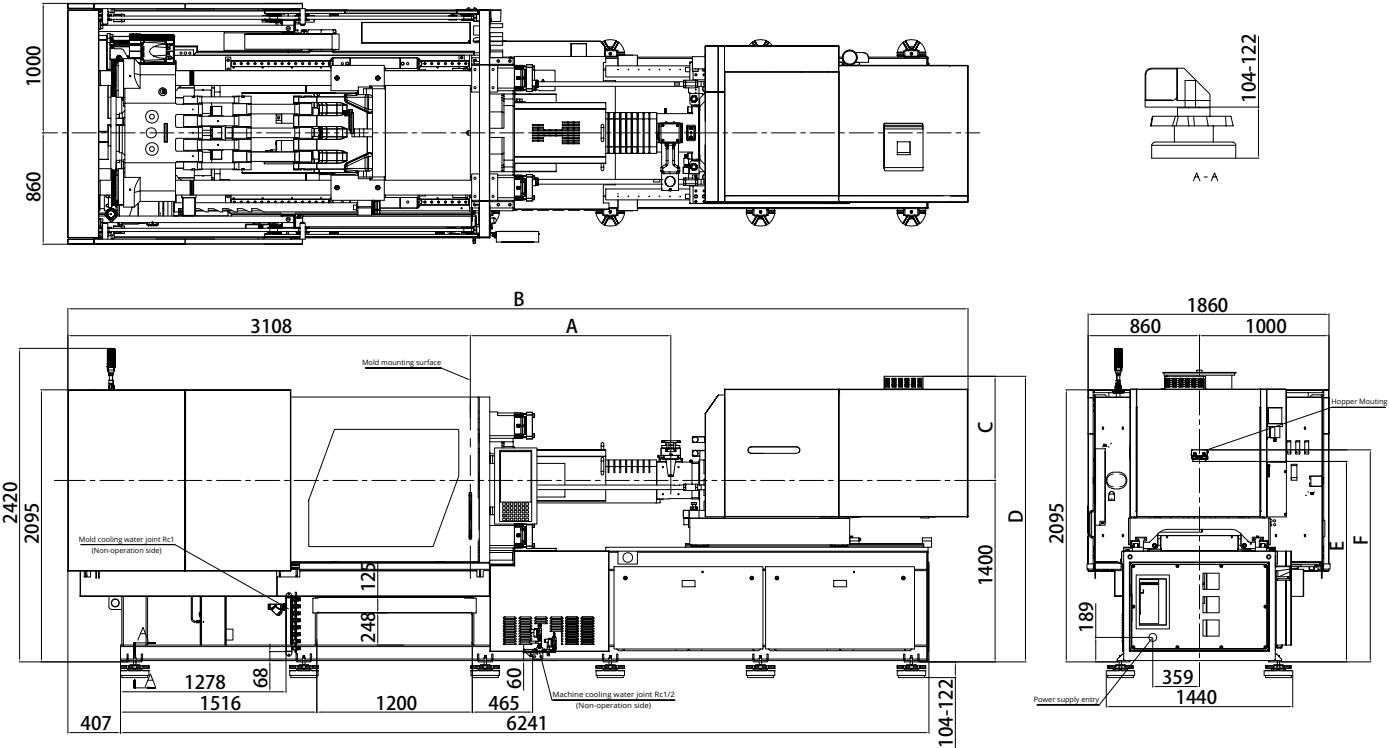
*NOTE:

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.

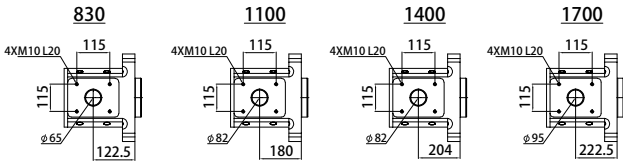
2. Power requirements are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Absolute Haitian service department for machine specific information.

MZ3000 Series

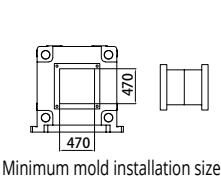
Machine Dimensions



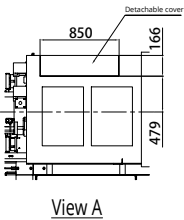
Injection Unit	830			1100			1400			1700		
Screw diameter	45	50	55	50	55	60	55	60	65	60	65	70
A	1181	1181	1181	1295	1295	1295	1383	1383	1383	1543	1543	1543
B	6667	6667	6667	6943	6943	6943	7021	7021	7021	7504	7504	7504
C	711			740			711			803		
D	2111			2140			2111			2203		
E	1553			1543			1543			1548		
F	1655			1645			1645			1650		



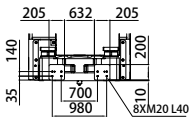
Platen Dimensions



Platen

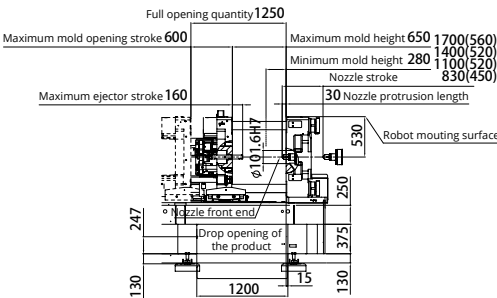
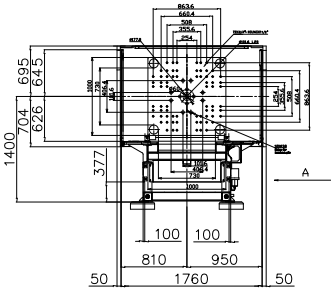


Fixed Platen



Robot mounting hole position

Operation side



Operation side

