

Specification



MZ3600V-1400

MZ Series: Electric with Integrated Hydraulics



CLAMPING UNIT		MZ3600 V / 1400
Clamping Force	kN	3600
	US Tons	405
Mold Opening Stroke	mm	730
	in.	28.74
Minimum Mold Height	mm	320
	in.	12.6
Maximum Mold Height	mm	710
	in.	27.95
Maximum Daylight	mm	1440
	in.	56.69
Distance Between Tie-Bars (HXV)	mm	820x820
	in.	32.28x32.28
Platen Dimensions (HXV)	mm	1140x1140
	in.	44.88x44.88
Minimum Mold Size	mm	540x540
	in.	21.26x21.26
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	7.35x1.99x2.48
	in.	289x78x98
Machine Weight MZ	t	16.5
	lbs.	36376
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	126
	gal	33

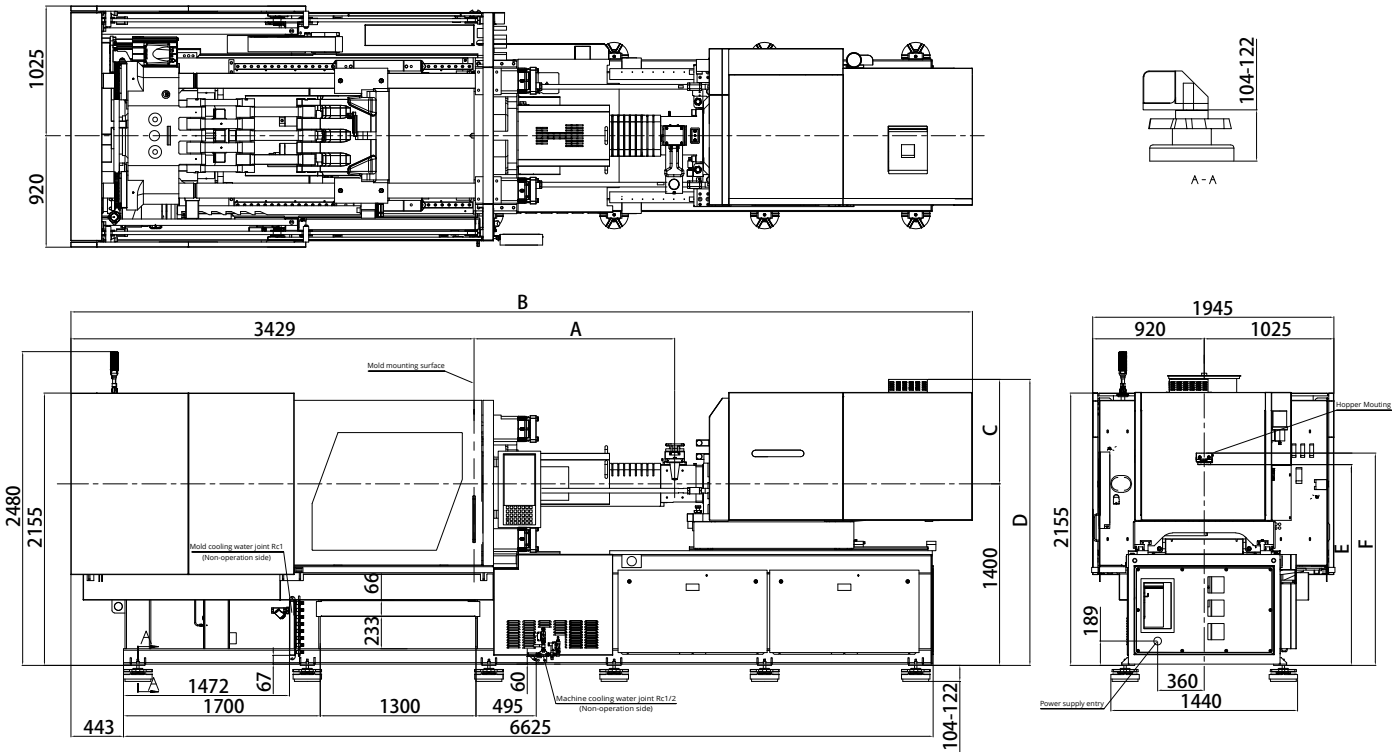
*NOTE:

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.

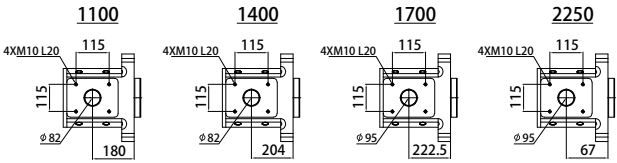
MZ3600 Series

Machine Dimensions

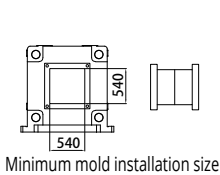


Note: The above machine size does not apply to the 2250 injection unit.

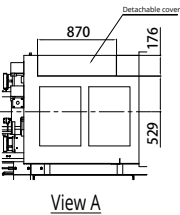
Injection Unit	1100			1400			1700			2250		
Screw diameter	50	55	60	55	60	65	60	65	70	65	70	80
A	1295	1295	1295	1383	1383	1383	1543	1543	1543	1630	1630	1630
B	7264	7264	7264	7342	7342	7342	7825	7825	7825	7560	7560	7560
C	740			711			803			689		
D	2140			2111			2203			2165		
E	1543			1543			1548			1701		
F	1645			1645			1650			1803		



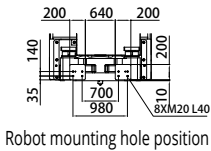
Platen Dimensions



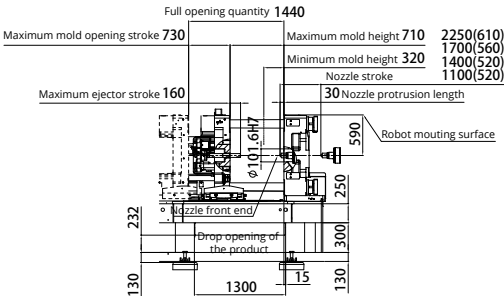
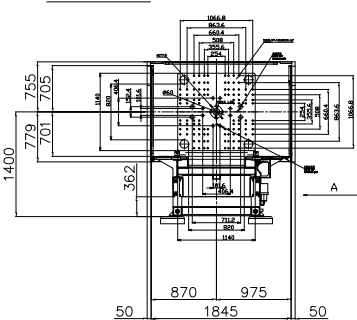
Platen



Fixed Platen



Operation side



Operation side

