

Specification



MZ1200V-430

MZ Series: Electric with Integrated Hydraulics



CLAMPING UNIT		MZ1200 V / 430
Clamping Force	kN	1200
	US Tons	135
Mold Opening Stroke	mm	360
	in.	14.17
Minimum Mold Height	mm	150
	in.	5.91
Maximum Mold Height	mm	480
	in.	18.9
Maximum Daylight	mm	840
	in.	33.07
Distance Between Tie-Bars (HXV)	mm	470x470
	in.	18.5x18.5
Platen Dimensions (HXV)	mm	640x640
	in.	25.2x25.2
Minimum Mold Size	mm	305x305
	in.	12.01x12.01
Ejector Stroke	mm	100
	in.	3.94
Ejector Force	kN	33
	US Tons	4

MZ1200V-430

MZ Series: Electric with Integrated Hydraulics

INJECTION UNIT		430		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	36	40	45
	in.	1.42	1.57	1.77
Screw L/D Ratio	L/D	23.3	21	18.7
Injection Volume (theoretical)	cm ³	173	213	270
	cu.in.	10.56	13.00	16.48
Injection Weight (PS)	g	157	194	246
	oz.	5.54	6.84	8.68
Injection Pressure	MPa	247	200	158
	psi	35824	29008	22916
Holding Pressure	MPa	197	160	126
	psi	28572	23206	18275
Screw Speed	rpm	400	400	400
Plasticizing Rate (GPPS)	g/s	22	30	42
	oz./s	0.78	1.06	1.48
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		430		
Injection Speed	mm/s	200		
	in./s	7.87		
Injection Rate (PS)	g/s	177	219	277
	oz./s	6.24	7.72	9.77
Injection Unit High Speed		430h		
Injection Speed	mm/s	300		
	in./s	11.81		
Injection Rate (PS)	g/s	266	329	416
	oz./s	9.38	11.61	14.67
Injection Unit Ultra High Speed		430hs		
Injection Speed	mm/s	500		
	in./s	19.69		
Injection Rate (PS)	g/s	444	548	694
	oz./s	15.66	19.33	24.48

Specification



MZ1200V-430

MZ Series: Electric with Integrated Hydraulics

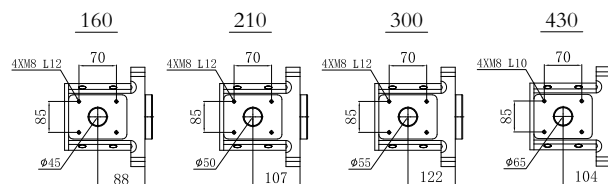
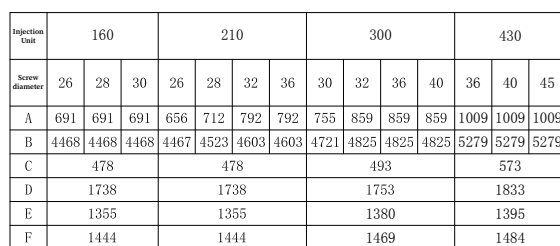
OTHER		
Heating Power	kW	13.5
Connection Power	kW/A	430:27/45 430h:31/52 430hs:48/81
Machine Dimension (LxWxH)	m	5.28x1.36x2.11
	in.	208x54x83
Machine Weight MZ	t	5.33
	lbs.	11751
Hopper Capacity	l	25
	gal	7
Oil Pressure	MPa	17.5
	psi	2538
Oil Flow	l/min	48
	gal/min	13
Oil Tank Size	l	78
	gal	21

*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.

Machine Dimensions



Dimensions

The technical drawings illustrate the mold assembly's dimensions. The front view shows a square base with a central square cavity, with dimensions of 305 mm for both width and height. The side view shows a rectangular profile with a height of 153 mm. The detailed view on the right shows the mold assembly with a detachable cover, with dimensions of 750 mm for the main body width, 312 mm for the base width, and 153 mm for the height of the detachable cover.

Minimum mold installation size

View A

Technical drawing of the front view of a mechanical part. The drawing shows a symmetrical component with a central rectangular section and two side sections. Dimensions are indicated in millimeters (mm). The total width is 600 mm, with a central section of 350 mm and side sections of 125 mm each. The total height is 106 mm, with a central section of 70 mm and side sections of 17 mm each. A central hole with a diameter of 16 mm is shown. A dimension of 142.5 mm is given for the distance from the center to the edge of the side sections. A dimension of 315 mm is given for the distance from the center to the edge of the central section. A dimension of 35 mm is given for the thickness of the side sections. A dimension of 560 mm is given for the distance between the centers of the two side sections. A dimension of 8X is given for the radius of the central hole. A dimension of 132 is given for the distance from the center to the edge of the side sections.

Robot mounting hole position

