

Specification



JU18500V-11500

JUPITER 5 Series: Two-Platen Servo-Hydraulic



Clamping Unit		JU18500V
Clamping Force	kN	18500
	US Tons	2079
Mold Opening Stroke (Min/Max)	mm	2600/1750
	in.	102.36/68.9
Minimum Mold Height	mm	750
	in.	29.53
Maximum Mold Height	mm	1600
	in.	62.99
Maximum Daylight	mm	3350
	in.	131.89
Distance Between Tie-Bars (HXV)	mm	1900×1450
	in.	74.8×57.09
Platen Dimensions (HXV)	mm	2620×2175
	in.	103.15×85.63
Ejector Stroke	mm	450
	in.	17.72
Ejector Force	kN	450
	US Tons	51
Maximum Mold Weight*	t	40
	lbs.	88185

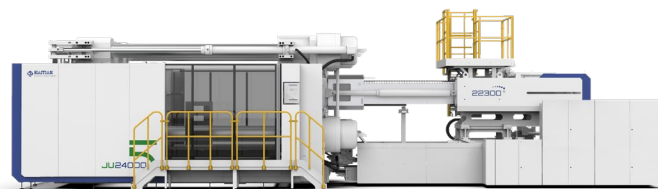
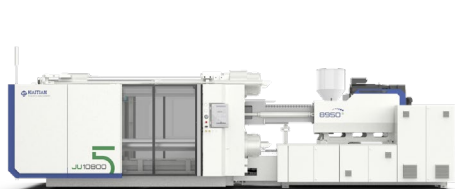
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Injection Unit		11500			
Screw & Barrel Designation		A	B	C	D
Screw Diameter	mm	110	120	130	140
	in.	4.33	4.72	5.12	5.51
Screw L/D Ratio	L/D	26.2	24	22.2	20.6
Injection Volume (theoretical)	cm ³	5226	6220	7300	8466
	cu.in.	318.91	379.57	445.47	516.63
Injection Weight (PS)	g	4756	5660	6643	7704
	oz.	167.76	199.65	234.32	271.75
Injection Rate (PS)	g/s	884	1052	1235	1432
	oz./s	31.18	37.11	43.56	50.51
Injection Pressure	MPa	189	159	135	117
	psi	27412	23061	19580	16969
Injection Pressure (max)*	MPa	217	183	156	134
	psi	31473	26542	22626	19435
Plasticizing Rate (GPPS)	g/s	123	142	164	187
	oz./s	4.34	5.01	5.78	6.60
Plasticizing Rate (HDPE)	g/s	187	217	240	273
	oz./s	6.60	7.65	8.47	9.63
Screw Speed	rpm	105	105	105	105



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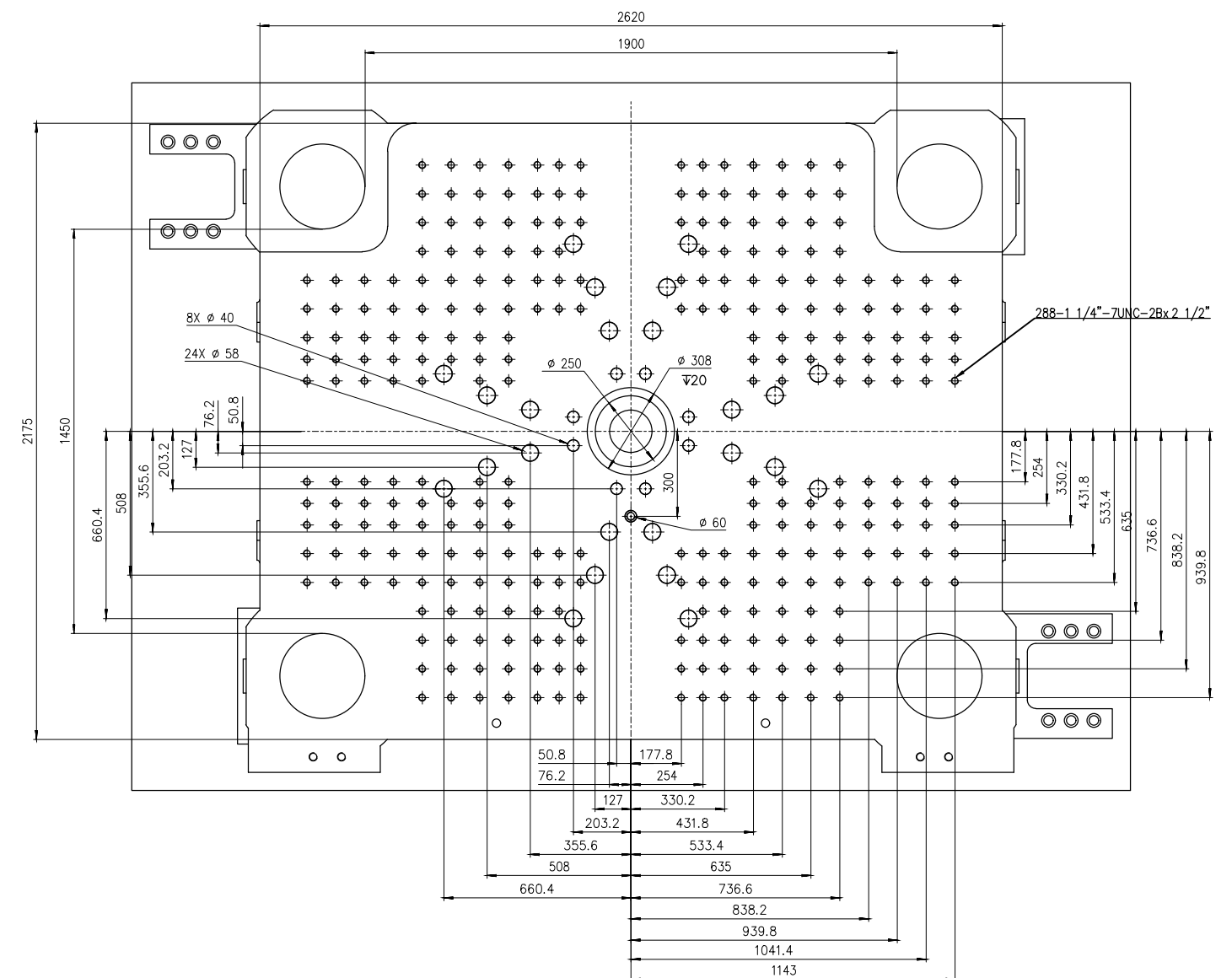
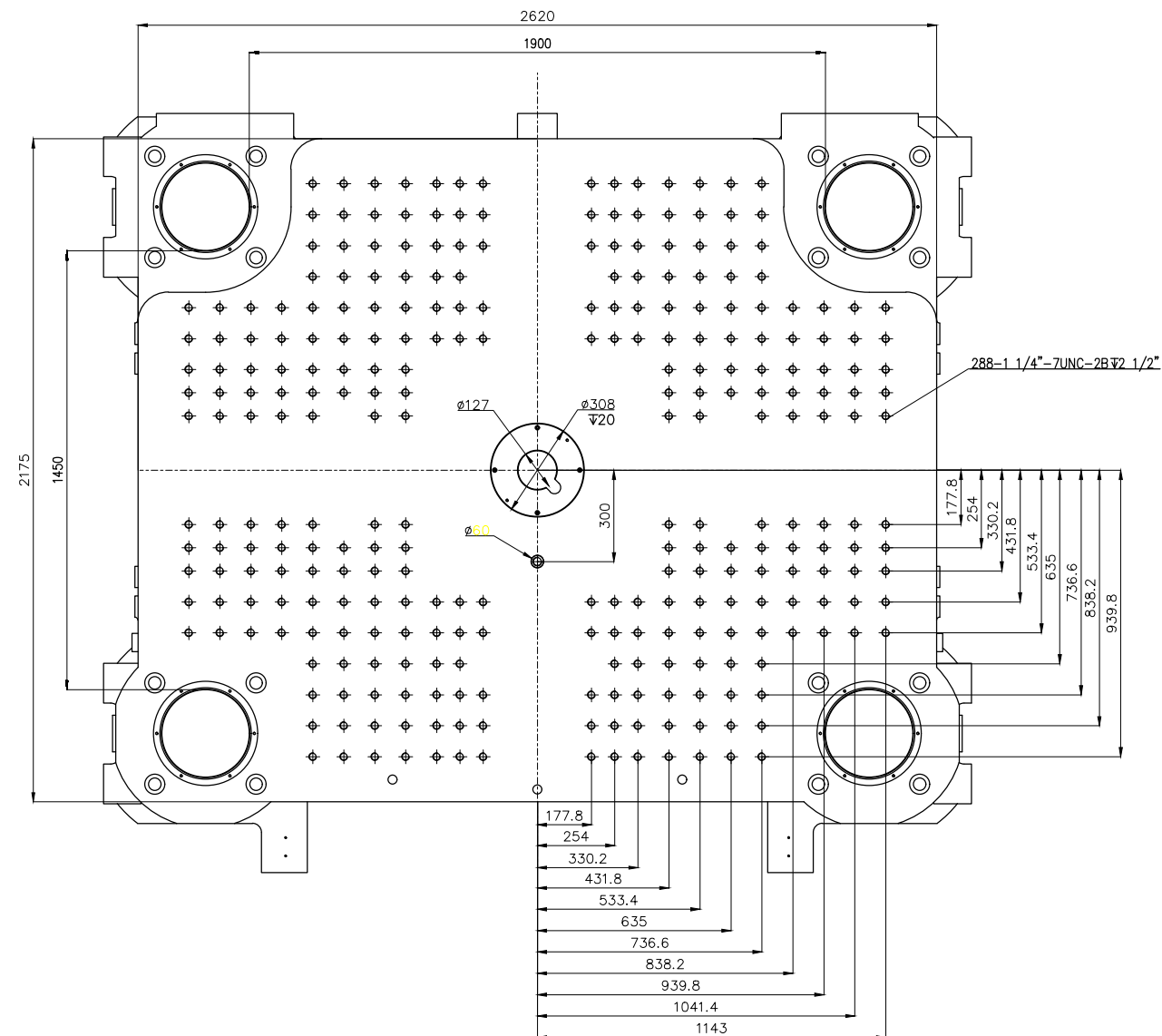
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Other		
Pump Motor Power	kW	135
Heater Power	kW	104
Machine Dimension (LxWxH)	m	11.52×3.93×4.47
	in.	454×155×176
Machine Weight	t	83
	lbs.	182984
Hopper Capacity	kg	400
	lbs.	882
Oil Tank	l	840
	gal	222

***NOTE:**

1. Injection Pressure (max) uses the machine's regeneration oil circuit to increase the injection pressure. This function will reduce injection control and repeatability. The standard "Injection Pressure" specification is the maximum injection pressure in a normal operating mode.
2. Moving platen max mold weight is 2/3 of total max mold weight.
3. Electric screw drive (screw rotate) is standard for injection units under 11500. For injection units 11500 and above electric screw drive is optional.
4. 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.
5. 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.



Fixed Platen

Moving Platen



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Title: JUV 18500 Fixed & Moving Platens Drawing				
Machine Model: JUV 18500 Machine Serial Number: Machine Tonnage:			Sheet: 1 of 1	
			Drawn By: Harry	Date: 1/9/2024
			Chkd By:LEON XIE	Date: 1/9/2024
Revision	Date:	Drawing #:	NOT TO SCALE	
Rev #: 1			Units: mm / [in]	
Rev #: 2			Material:	
Rev #: 3			Part:	
Rev #: 4			Part:	
Rev #: 5			Part:	

PLEASE READ:

The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility requirements for space, part clearance, overhead clearance, or any other interference. By signing this document, the customer accepts full responsibility for this design and application.

Customer:

Customer Approval:
Authorized Signature

Notes:
