

MA24000V-41000

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA24000V/41000
Clamping Force	kN	24000
	US Tons	2698
Mold Opening Stroke (Min/Max)	mm	1900
	in.	74.8
Minimum Mold Height	mm	800
	in.	31.5
Maximum Mold Height	mm	1800
	in.	70.87
Maximum Daylight	mm	3700
	in.	145.67
Distance Between Tie-Bars (HXV)	mm	1850x1620
	in.	72.83x63.78
Platen Dimensions (HXV)	mm	2620x2400
	in.	103.15x94.49
Ejector Stroke	mm	450
	in.	17.72
Ejector Force	kN	430
	US Tons	48

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Injection Unit		41000
Screw & Barrel Designation		-
Screw Diameter	mm	185
	in.	7.28
Screw L/D Ratio	L/D	21.6
Injection Volume (theoretical)	cm ³	27687
	cu.in.	1689.56
Injection Weight (PS)	g	25195
	oz.	888.73
Injection Rate (PS)	g/s	1834
	oz./s	64.69
Injection Pressure	MPa	147
	psi	21321
Plasticizing Rate (HDPE)	g/s	320
	oz./s	11.29
Screw Speed	rpm	70



Specification



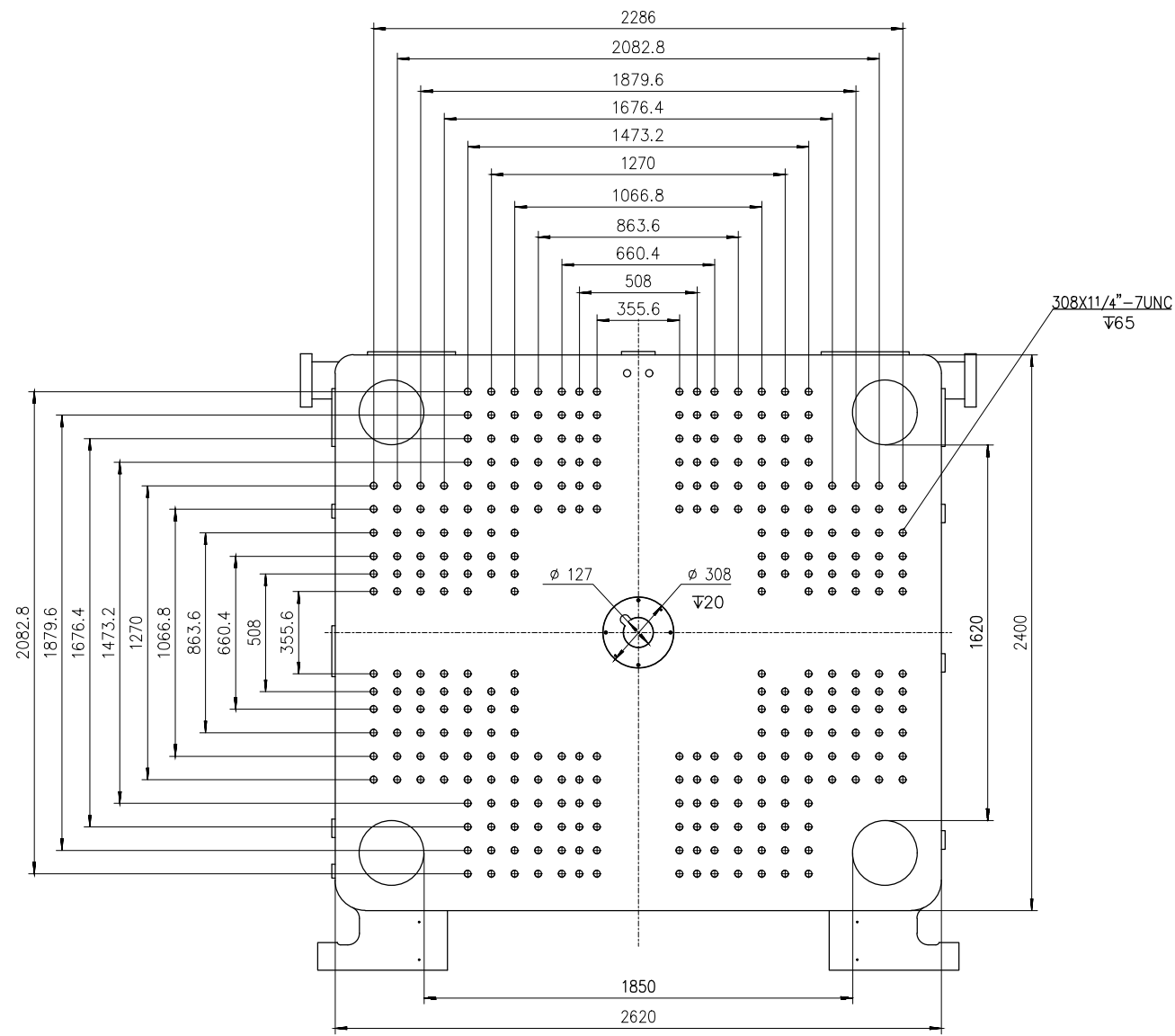
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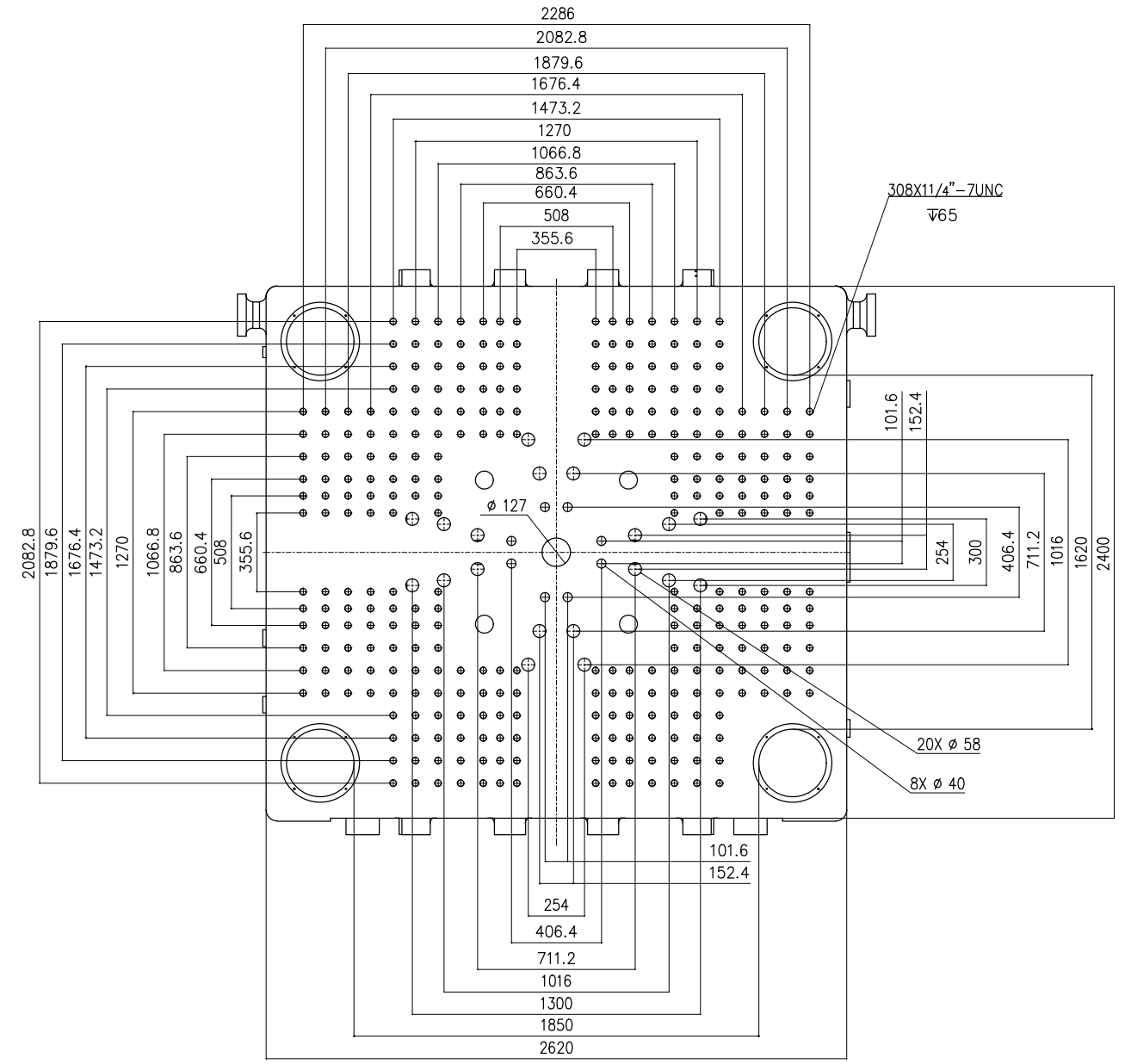
Other		
Pump Motor Power	kW	85+85+85
Heater Power	kW	211.15
Machine Dimension (LxWxH)	m	18.6x4.9x4.3
	in.	732x193x169
Machine Weight	t	165
	lbs.	363763
Hopper Capacity	kg	-
	lbs.	-
Oil Tank	l	1870
	gal	494

***NOTE:**

1. Electric screw drive (screw rotate) is standard for injection units under 10600. For injection units 10600 and above electric screw drive is optional.
2. 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.
3. 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



Absolute Haitian Corporation
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Title: MAV 24000 Fixed & Moving Platens Drawing			
Machine Model: MAV 24000		Sheet: 1 of 1	
Machine Serial Number:		Drawn By: Harry	Date: 1/9/2024
Machine Tonnage:		Chkd By: LEON XIE	Date: 1/9/2024
Revision	Date:	Drawing #:	NOT TO SCALE
Rev #: 1			Size: 11 X 17 "B"
Rev #: 2			Units: mm / [in]
Rev #: 3			Material:
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:
