

MA14000V-10600

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA14000V/10600
Clamping Force	kN	14000
	US Tons	1574
Mold Opening Stroke (Min/Max)	mm	1500
	in.	59.06
Minimum Mold Height	mm	700
	in.	27.56
Maximum Mold Height	mm	1400
	in.	55.12
Maximum Daylight	mm	2900
	in.	114.17
Distance Between Tie-Bars (HXV)	mm	1450x1350
	in.	57.09x53.15
Platen Dimensions (HXV)	mm	2094x2070
	in.	82.44x81.5
Ejector Stroke	mm	350
	in.	13.78
Ejector Force	kN	318
	US Tons	36

Specification



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Injection Unit		10600			
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	5227	6220	7300	8467
	cu.in.	318.97	379.57	445.47	516.69
Injection Weight (PS)	g	4756	5661	6643	7705
	oz.	167.76	199.69	234.32	271.79
Injection Rate (PS)	g/s	864	1029	1207	1400
	oz./s	30.48	36.30	42.58	49.38
Injection Pressure	MPa	213	179	153	132
	psi	30893	25962	22191	19145
Plasticizing Rate (GPPS)	g/s	123	142	164	187
	oz./s	4.34	5.01	5.78	6.60
Screw Speed	rpm	105	105	105	105



Specification



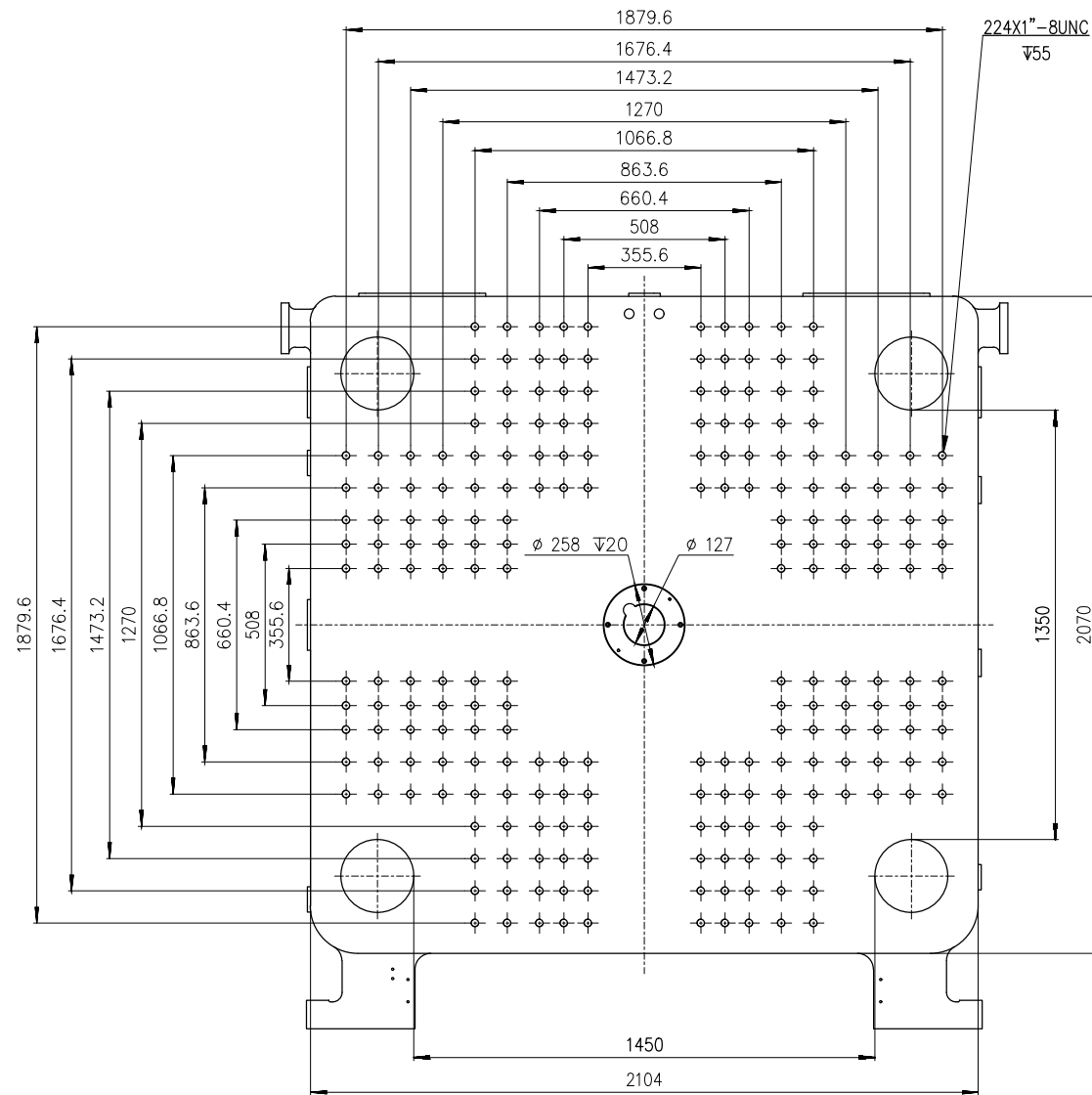
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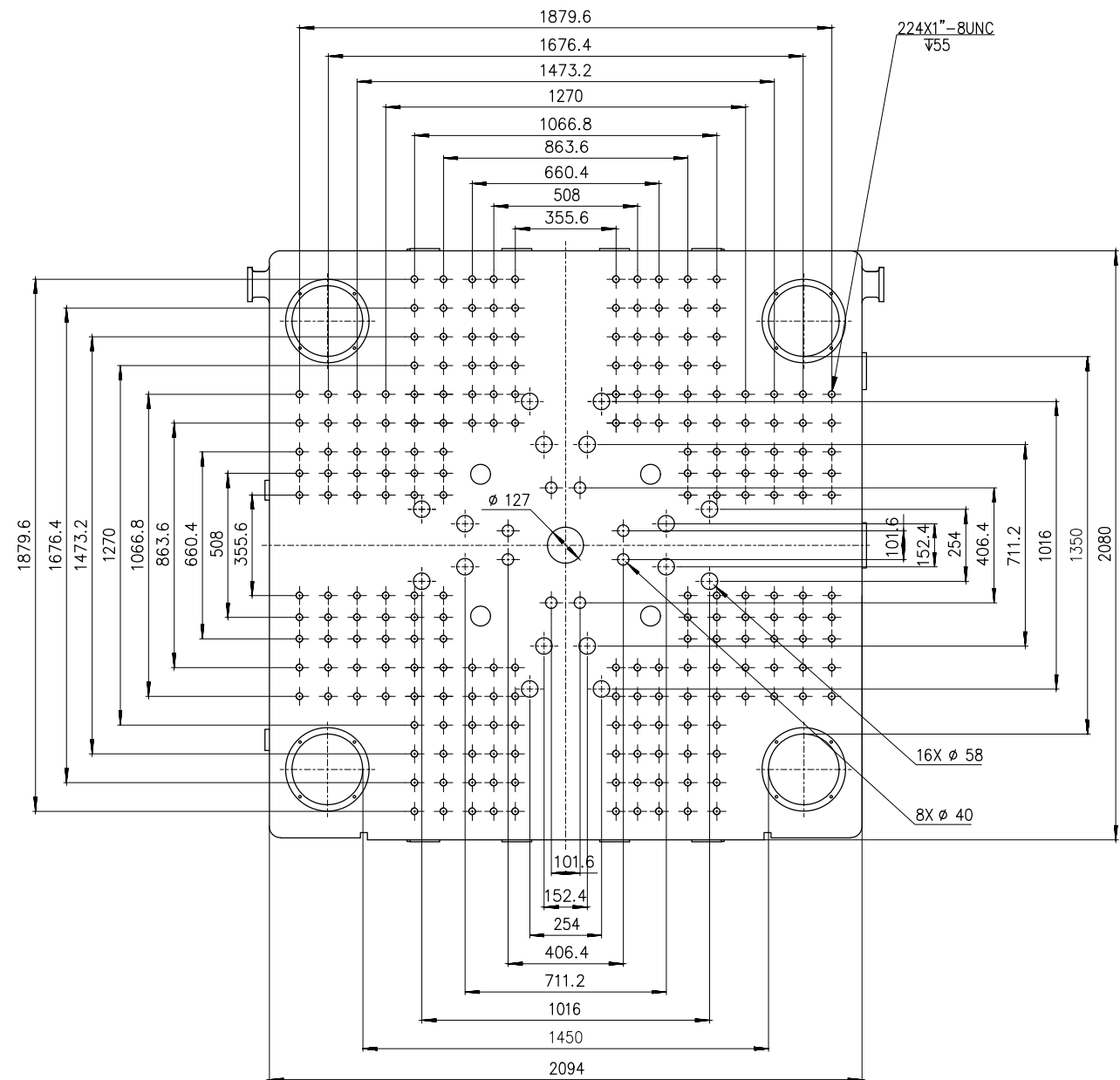
Other		
Pump Motor Power	kW	85+65
Heater Power	kW	104
Machine Dimension (LxWxH)	m	14.2x3.1x3.3
	in.	559x122x130
Machine Weight	t	87
	lbs.	191802
Hopper Capacity	kg	-
	lbs.	-
Oil Tank	l	1340
	gal	354

***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



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Title: MAV 14000 Fixed & Moving Platens Drawing				
Machine Model: MAV 14000			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	Size: 11 X 17 "B"
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: