

MA21000V-19300

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA21000V/19300
Clamping Force	kN	21000
	US Tons	2360
Mold Opening Stroke (Min/Max)	mm	1800
	in.	70.87
Minimum Mold Height	mm	780
	in.	30.71
Maximum Mold Height	mm	1700
	in.	66.93
Maximum Daylight	mm	3500
	in.	137.8
Distance Between Tie-Bars (HXV)	mm	1750x1600
	in.	68.9x62.99
Platen Dimensions (HXV)	mm	2480x2380
	in.	97.64x93.7
Ejector Stroke	mm	400
	in.	15.75
Ejector Force	kN	430
	US Tons	48

Specification



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Injection Unit		19300			
Screw & Barrel Designation		A	B	C	D
Screw Diameter	mm	140	150	160	170
	in.	5.51	5.91	6.30	6.69
Screw L/D Ratio	L/D	24	22.4	21	19.8
Injection Volume (theoretical)	cm ³	10468	12017	13672	15435
	cu.in.	638.80	733.32	834.32	941.90
Injection Weight (PS)	g	9526	10935	12442	14046
	oz.	336.02	385.72	438.88	495.46
Injection Rate (PS)	g/s	1330	1527	1738	1962
	oz./s	46.91	53.86	61.31	69.21
Injection Pressure	MPa	193	168	147	130
	psi	27992	24366	21321	18855
Plasticizing Rate (GPPS)	g/s	155	176	196	222
	oz./s	5.47	6.21	6.91	7.83
Screw Speed	rpm	85	85	85	85



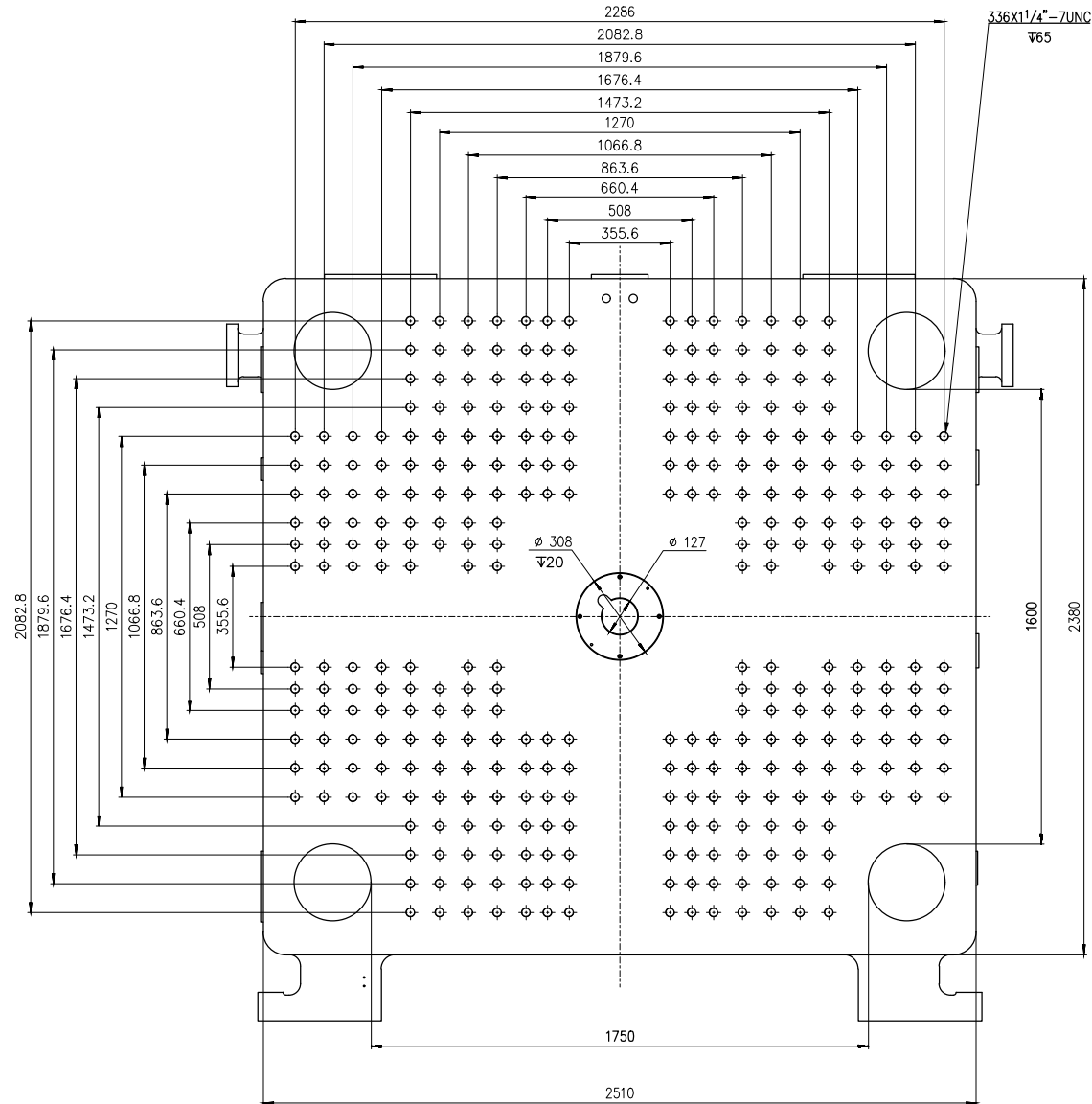
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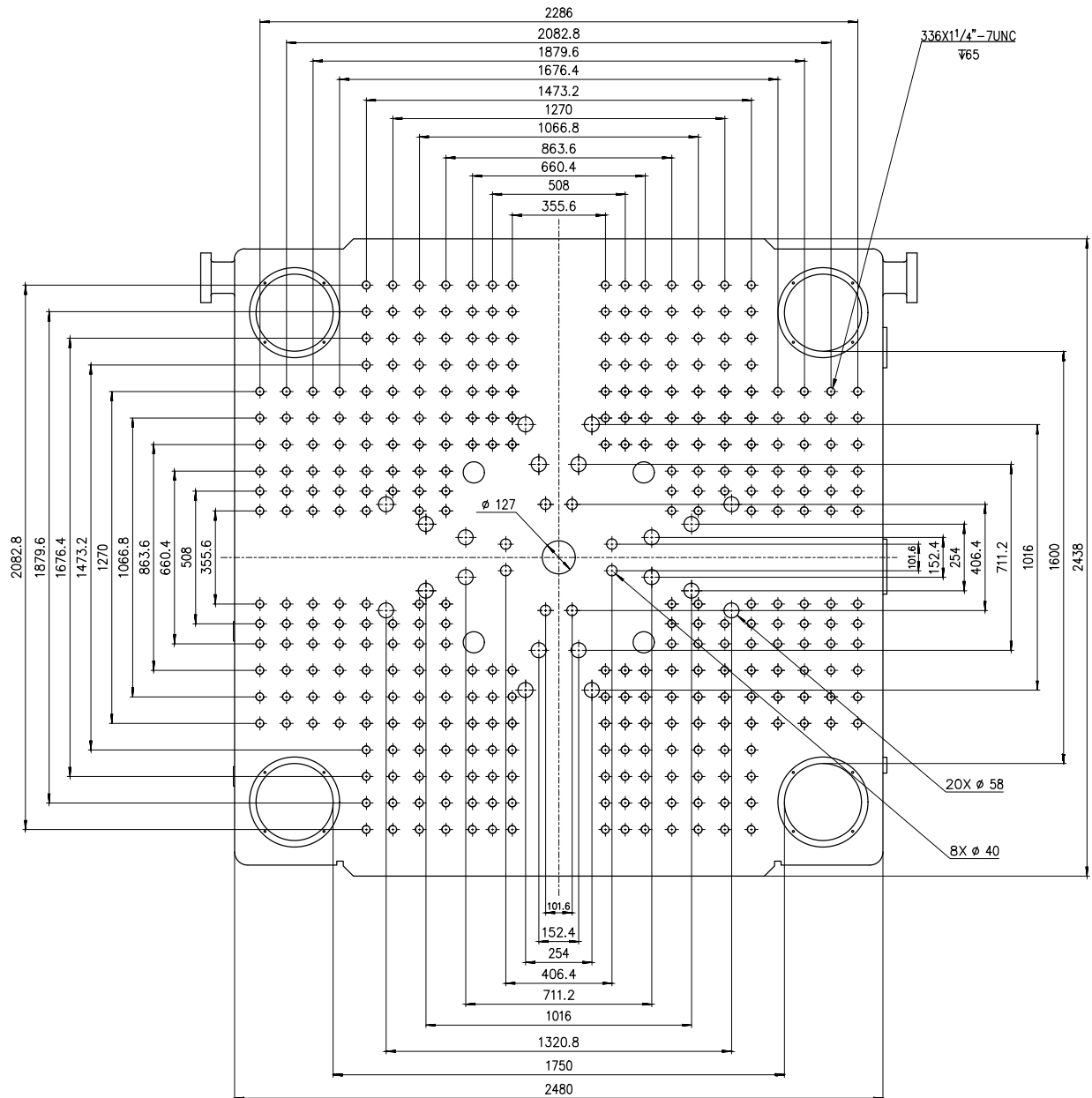
Other		
Pump Motor Power	kW	65+65+65
Heater Power	kW	137.4
Machine Dimension (LxWxH)	m	16.0x4.8x4.4
	in.	630x189x173
Machine Weight	t	139
	lbs.	306443
Hopper Capacity	kg	-
	lbs.	-
Oil Tank	l	1770
	gal	468

***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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www.absolutehaitian.com

Title: MAV 21000 Fixed & Moving Platens Drawing

Machine Model: MAV 21000

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 #:

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

NOT TO SCALE

Size: 11 X 17 "B"

Units: mm / [in]

Material:

Part:

Part:

Part:

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: