

MA13000V-10600

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA13000V/10600
Clamping Force	kN	13000
	US Tons	1461
Mold Opening Stroke (Min/Max)	mm	1400
	in.	55.12
Minimum Mold Height	mm	600
	in.	23.62
Maximum Mold Height	mm	1300
	in.	51.18
Maximum Daylight	mm	2700
	in.	106.3
Distance Between Tie-Bars (HXV)	mm	1350x1280
	in.	53.15x50.39
Platen Dimensions (HXV)	mm	1916x1880
	in.	75.43x74.02
Ejector Stroke	mm	350
	in.	13.78
Ejector Force	kN	215
	US Tons	24

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



Absolute Haitian Corporation • 33 Southgate St. Worcester, MA 01610
508-459-5372 • absolutehaitian.com

Specifications subject to change without notice



Rev 2 8/22/2024

Specification



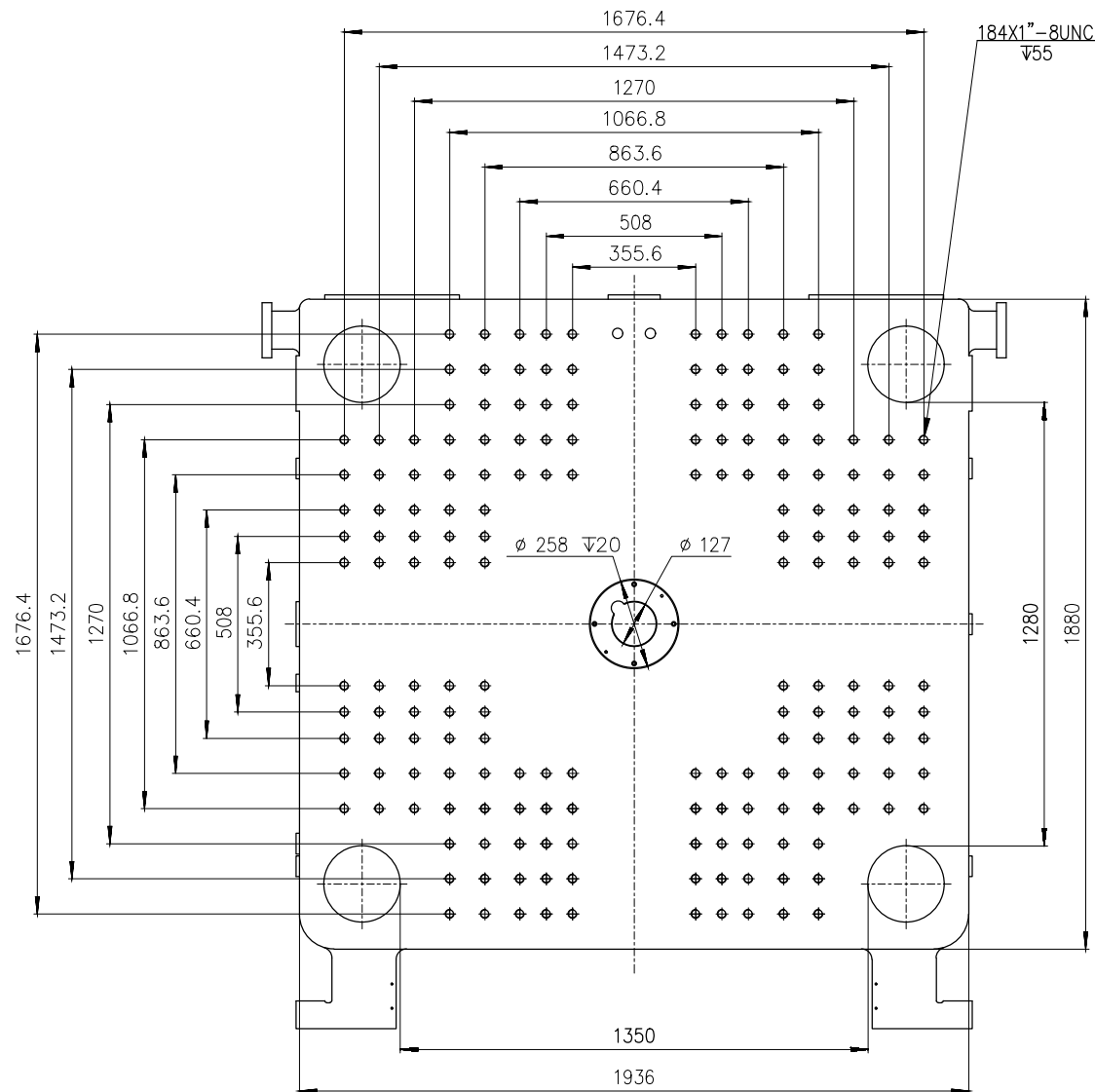
MA13000V-10600

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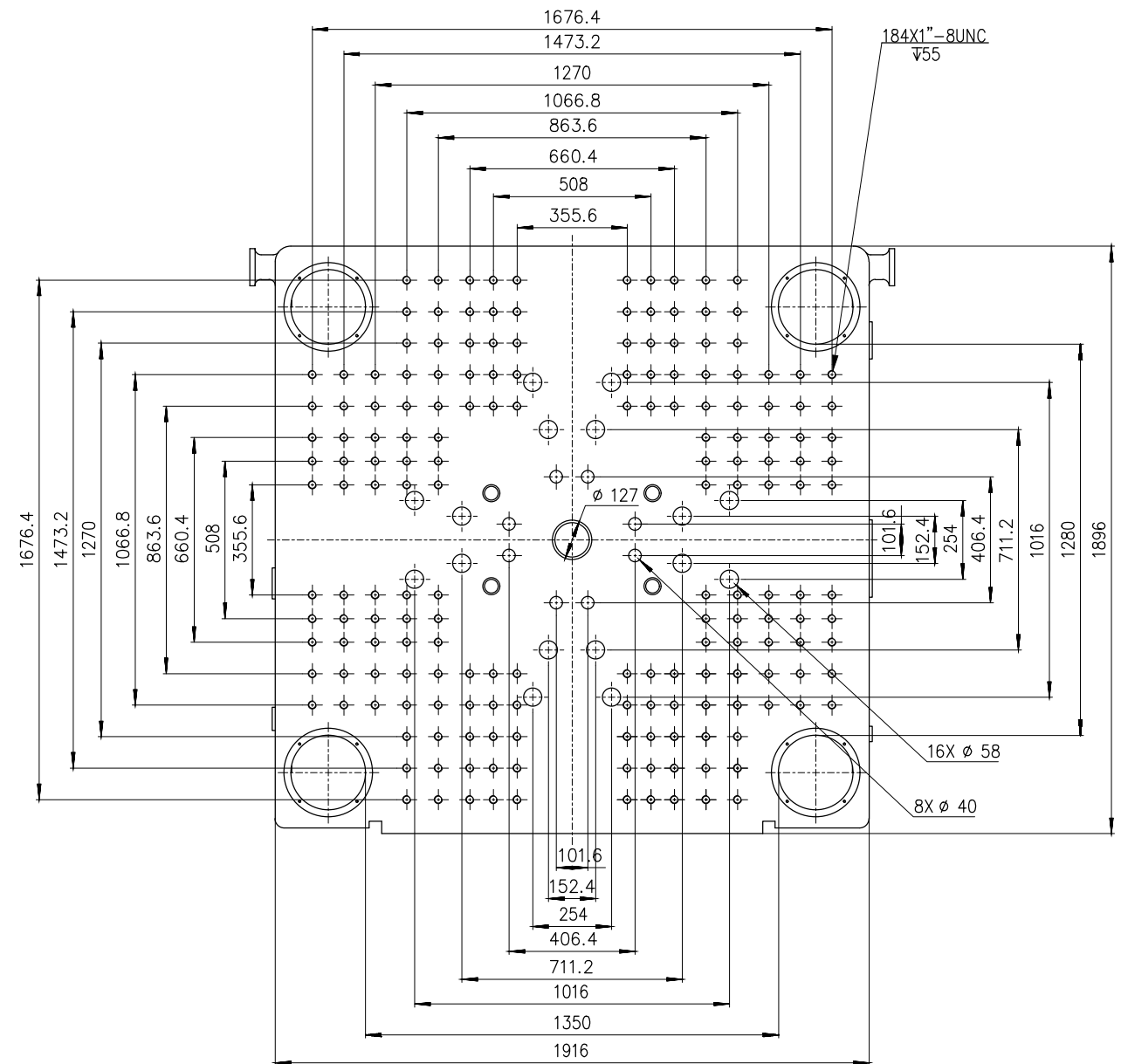
Other		
Pump Motor Power	kW	85+65
Heater Power	kW	104
Machine Dimension (LxWxH)	m	13.6x3.0x3.2
	in.	535x118x126
Machine Weight	t	71
	lbs.	156528
Hopper Capacity	kg	-
	lbs.	-
Oil Tank	l	1340
	gal	354

***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



Absolute Haitian Corporation
33 Southgate St. Worcester, MA
T: +1 508-792-4305
www.absolutehaitian.com

Title: MAV 13000 Fixed & Moving Platens Drawing

Machine Model: MAV 13000
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: