

MA600V-130

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA600V/130
Clamping Force	kN	600
	US Tons	67
Mold Opening Stroke (Min/Max)	mm	270
	in.	10.63
Minimum Mold Height	mm	120
	in.	4.72
Maximum Mold Height	mm	330
	in.	12.99
Maximum Daylight	mm	600
	in.	23.62
Distance Between Tie-Bars (HXV)	mm	310x310
	in.	12.2x12.2
Platen Dimensions (HXV)	mm	470x470
	in.	18.5x18.5
Ejector Stroke	mm	70
	in.	2.76
Ejector Force	kN	22
	US Tons	2

Specification



MA600V-130

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Injection Unit		130	
Screw & Barrel Designation		A	B
Screw Diameter	mm	24	28
	in.	0.94	1.10
Screw L/D Ratio	L/D	23.3	20
Injection Volume (theoretical)	cm ³	49	67
	cu.in.	2.99	4.09
Injection Weight (PS)	g	45	61
	oz.	1.59	2.15
Injection Rate (PS)	g/s	53	72
	oz./s	1.87	2.54
Injection Pressure	MPa	263	193
	psi	38145	27992
Plasticizing Rate (GPPS)	g/s	6.1	8.8
	oz./s	0.22	0.31
Screw Speed	rpm	350	350



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Specifications subject to change without notice



Rev 2 7/15/2024

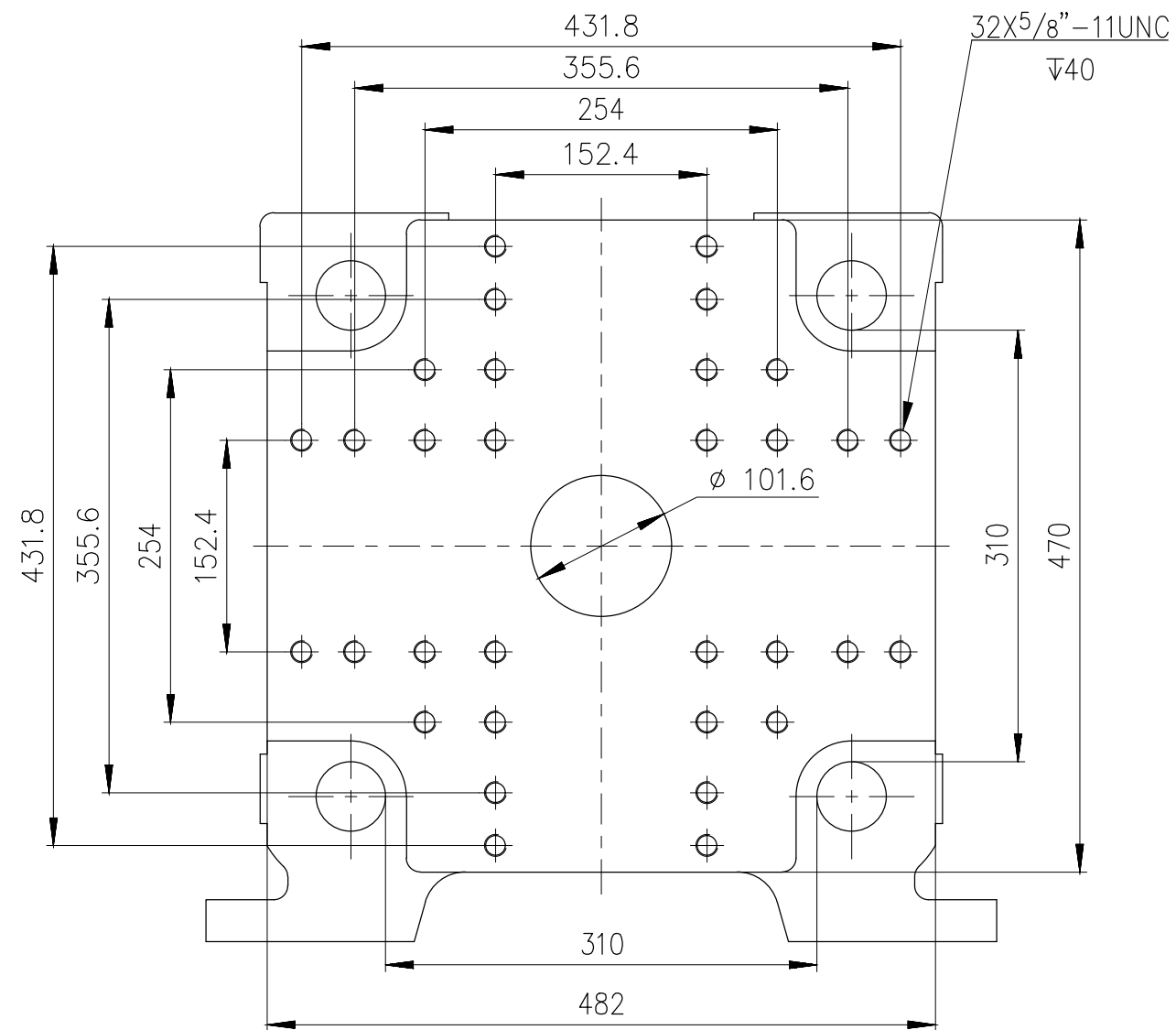
MA600V-130

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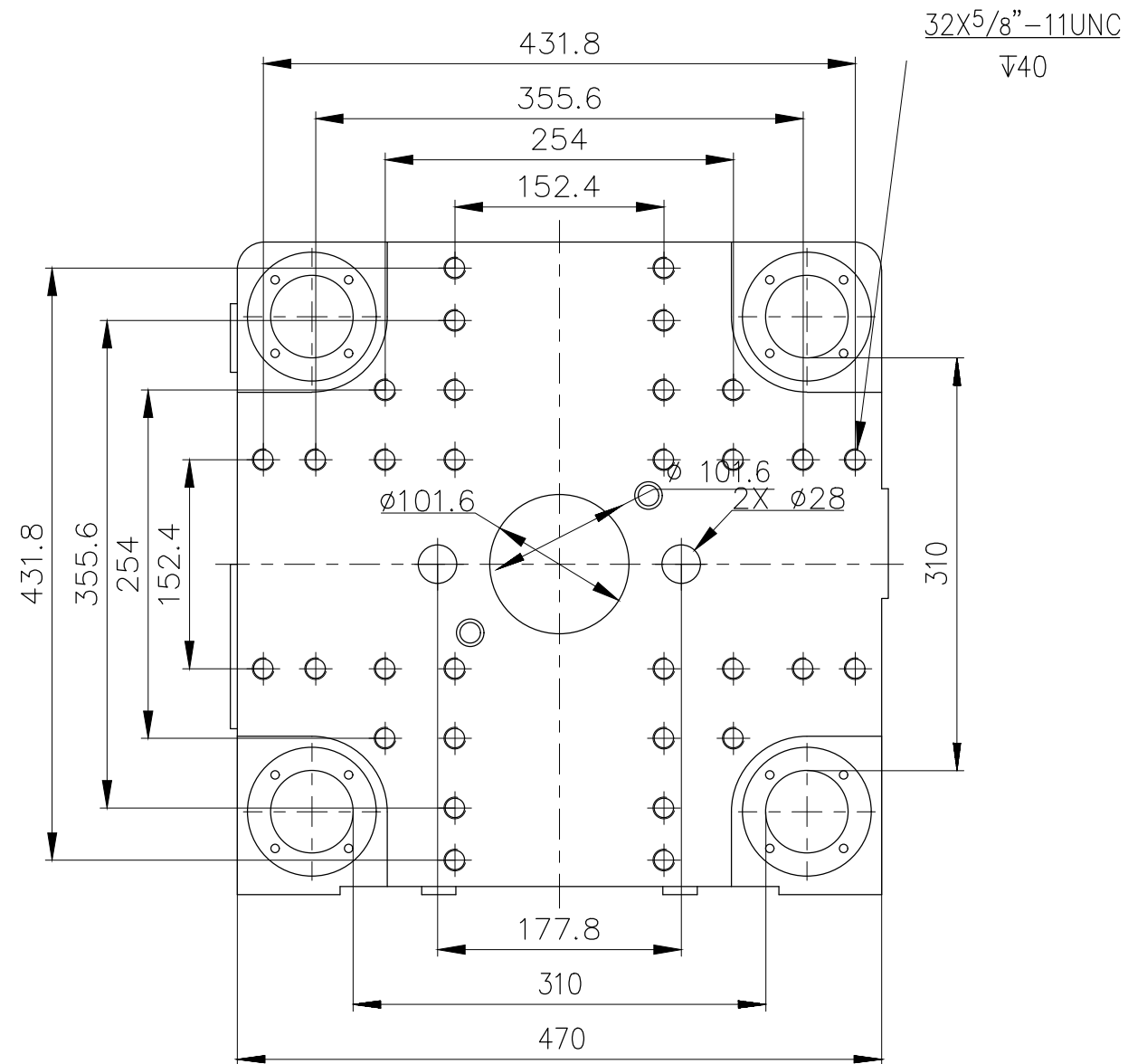
Other		
Pump Motor Power	kW	13
Heater Power	kW	6.5
Machine Dimension (LxWxH)	m	3.92x1.09x1.84
	in.	154x43x72
Machine Weight	t	2.5
	lbs.	5512
Hopper Capacity	kg	25
	lbs.	55
Oil Tank	l	90
	gal	24

***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
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www.absolutehaitian.com

Title: MAV 600 Fixed & Moving Platens Drawing

Machine Model: MAV 600
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:

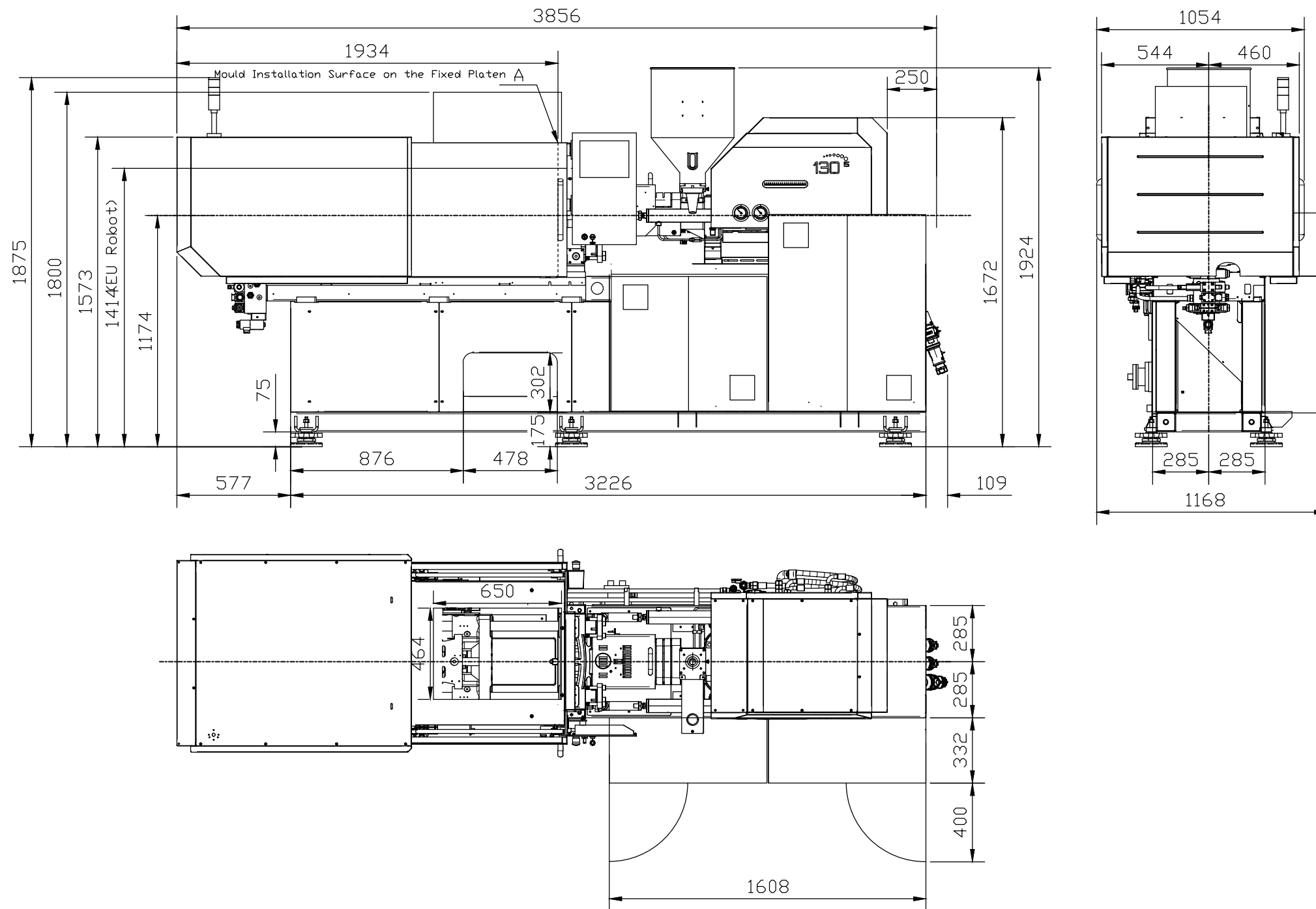
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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:



Absolute Haitian Corporation
33 Southgate St. Worcester, MA
T: +1 508-792-4305
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Title: MA V 600 Layout Drawing

Machine Model: MA V 600

Machine Serial Number:

Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 3/27/2024

Chkd By: LEON XIE

Date: 3/27/2024

NOT TO SCALE

Size: 11 X 17 "B"

Revision Date: Drawing #: Layout

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

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.

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