

MA3800V-2250

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA3800V/2250
Clamping Force	kN	3800
	US Tons	427
Mold Opening Stroke (Min/Max)	mm	700
	in.	27.56
Minimum Mold Height	mm	280
	in.	11.02
Maximum Mold Height	mm	730
	in.	28.74
Maximum Daylight	mm	1430
	in.	56.3
Distance Between Tie-Bars (HXV)	mm	730x730
	in.	28.74x28.74
Platen Dimensions (HXV)	mm	1036x1040
	in.	40.79x40.94
Ejector Stroke	mm	180
	in.	7.09
Ejector Force	kN	110
	US Tons	12

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Injection Unit		2250		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	65	70	75
	in.	2.56	2.76	2.95
Screw L/D Ratio	L/D	21.5	20	18.7
Injection Volume (theoretical)	cm ³	1068	1239	1422
	cu.in.	65.17	75.61	86.78
Injection Weight (PS)	g	972	1127	1294
	oz.	34.29	39.75	45.64
Injection Rate (PS)	g/s	317	367	422
	oz./s	11.18	12.95	14.89
Injection Pressure	MPa	214	185	161
	psi	31038	26832	23351
Plasticizing Rate (GPPS)	g/s	62	71.1	80.4
	oz./s	2.19	2.51	2.84
Screw Speed	rpm	240	240	240



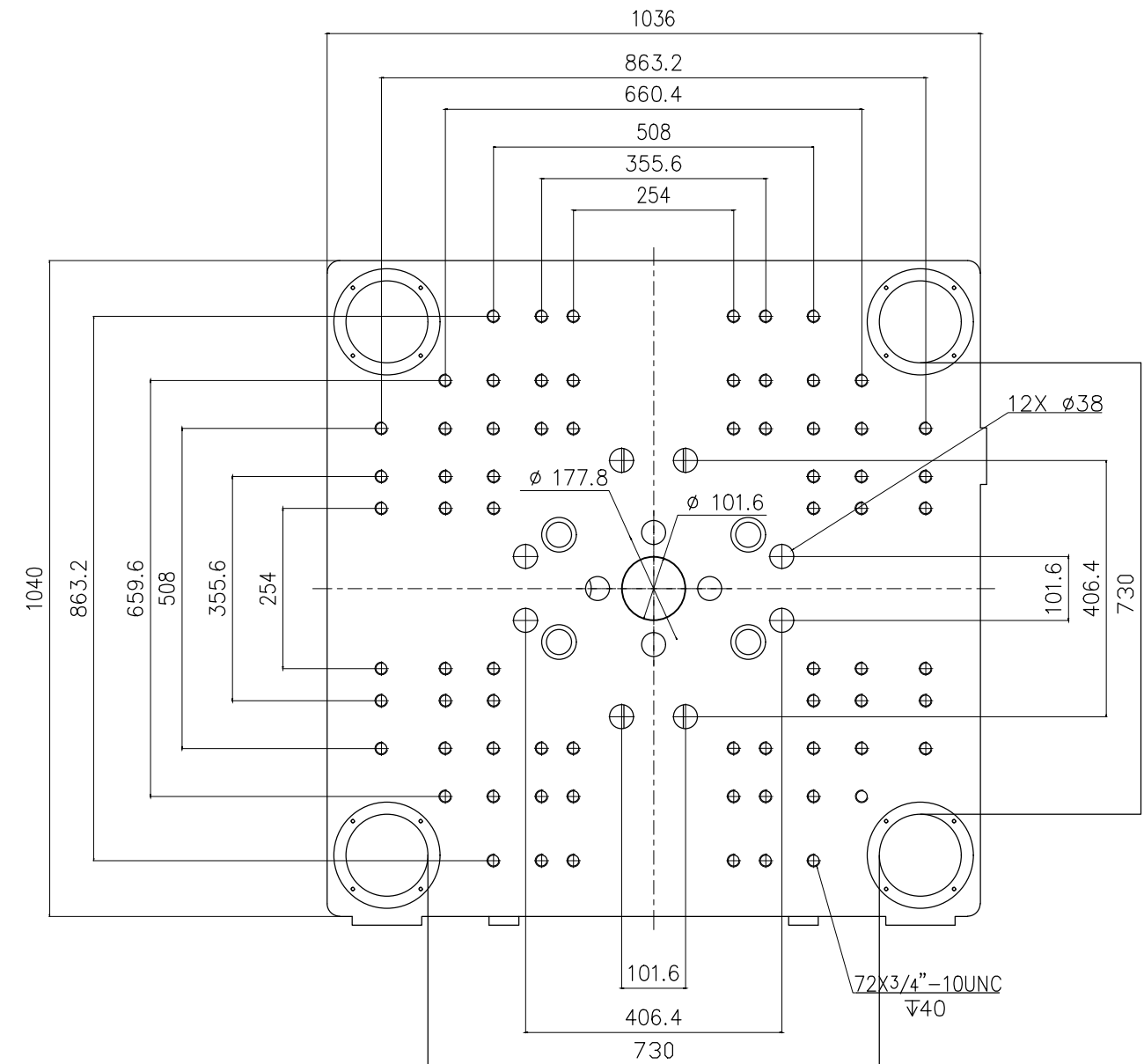
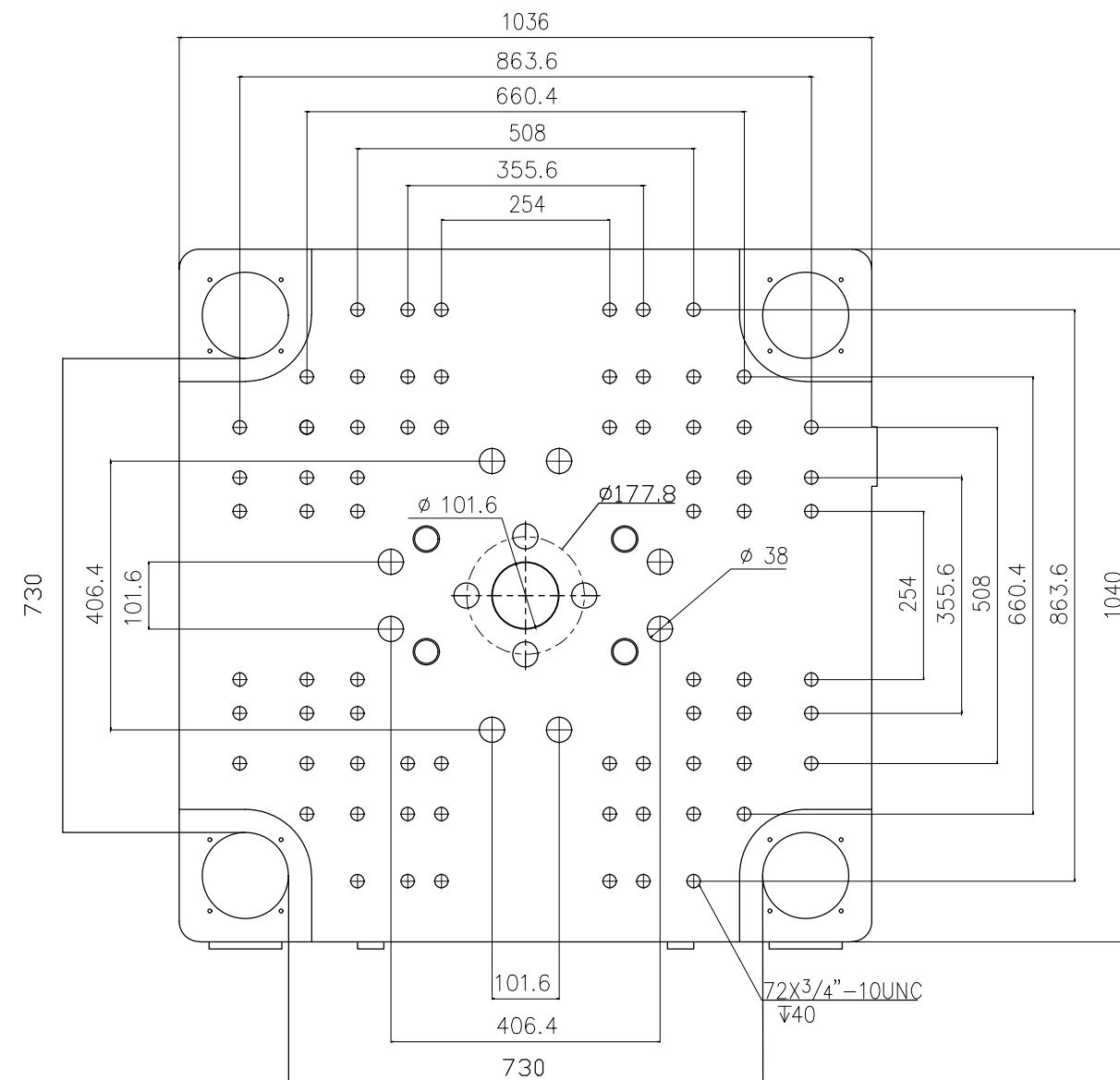
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Other		
Pump Motor Power	kW	55
Heater Power	kW	30.7
Machine Dimension (LxWxH)	m	7.56x1.85x2.34
	in.	298x73x92
Machine Weight	t	14.7
	lbs.	32408
Hopper Capacity	kg	50
	lbs.	110
Oil Tank	l	490
	gal	129

***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 3800 Fixed & Moving Platens Drawing				
Machine Model: MAV 3800 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 #:	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:

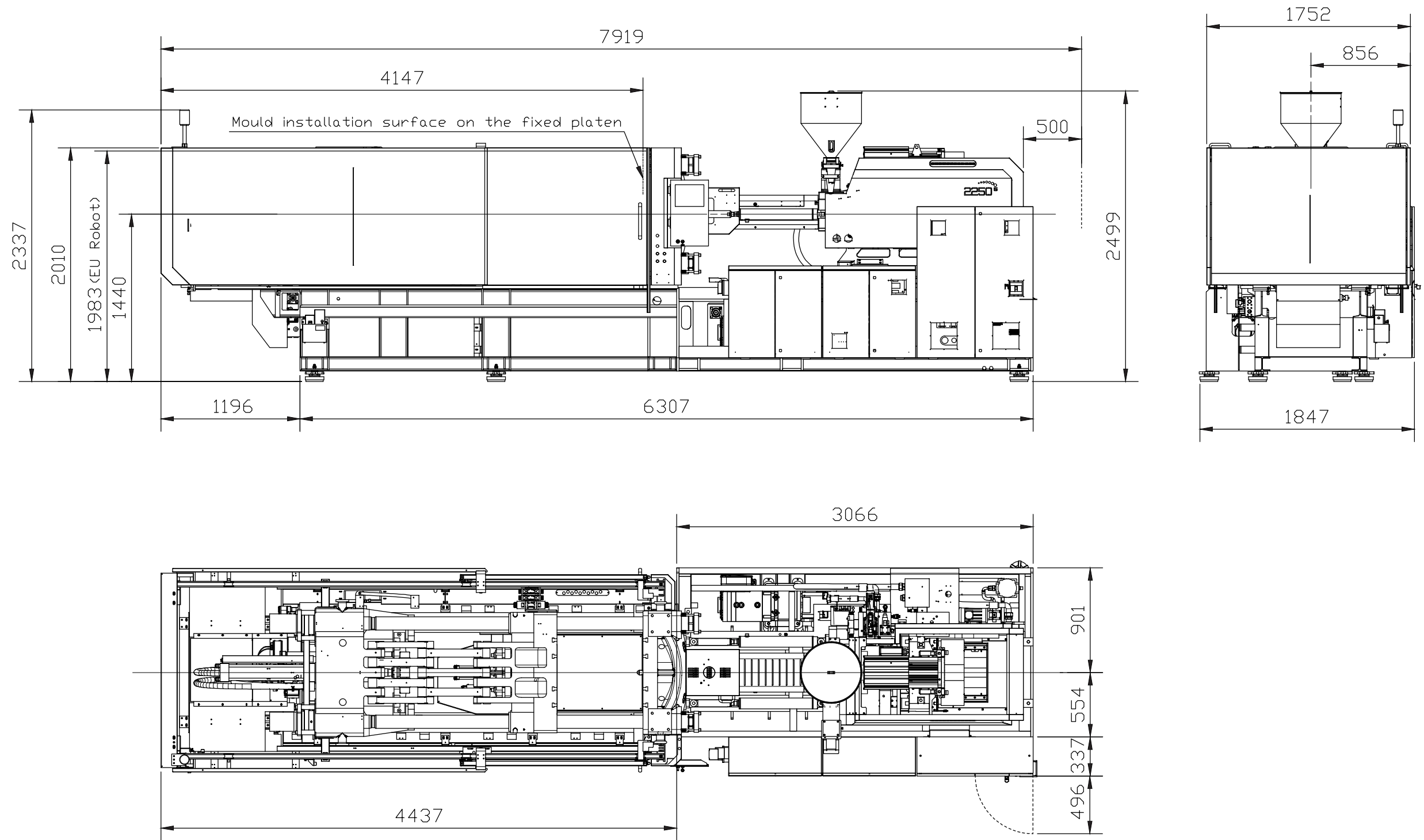
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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

r o n y s	Notes:



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

Title: MA V 3800 Layout Drawing

Machine Model: MA V 3800
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 3/21/2024

Chkd By: LEON XIE

Date: 3/21/2024

NOT TO SCALE

Size: 11 X 17 "B"

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

Part:

PLEASE READ:

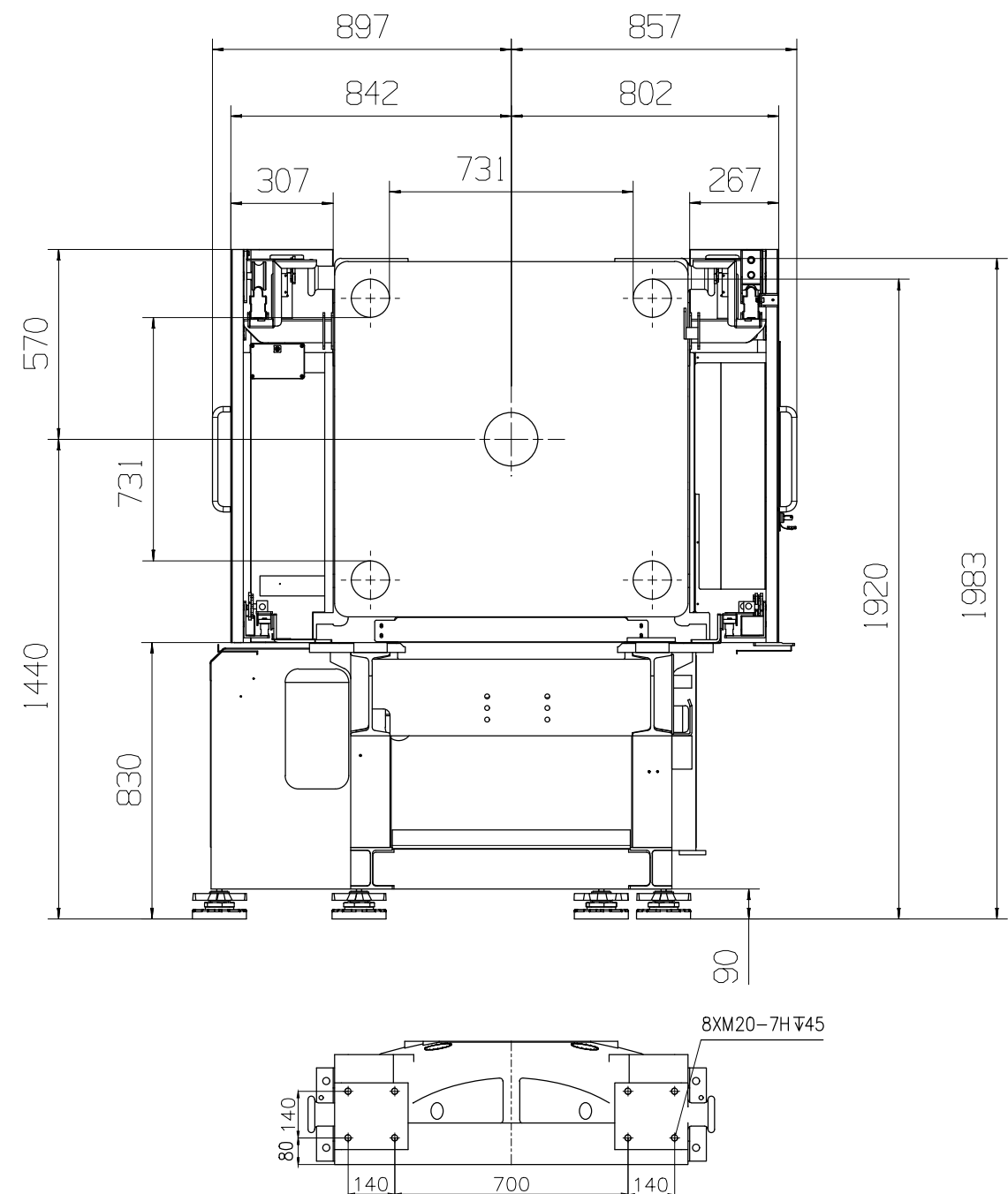
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Customer:

Customer Approval:

Authorized Signature

Notes:



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

Title: MA V 3800 Robot Mounting Drawing

Machine Model: MA V 3800
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 4/9/2024

Chkd By: LEON XIE

Date: 4/9/2024

Revision Date: Drawing #: Robot Mounting

NOT TO SCALE

Size: 11 X 17 "B"

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

Part:

PLEASE READ:

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Notes: