

MA900V-280

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA900V/280
Clamping Force	kN	900
	US Tons	101
Mold Opening Stroke (Min/Max)	mm	310
	in.	12.2
Minimum Mold Height	mm	150
	in.	5.91
Maximum Mold Height	mm	390
	in.	15.35
Maximum Daylight	mm	700
	in.	27.56
Distance Between Tie-Bars (HXV)	mm	360x360
	in.	14.17x14.17
Platen Dimensions (HXV)	mm	540x537
	in.	21.26x21.14
Ejector Stroke	mm	100
	in.	3.94
Ejector Force	kN	33
	US Tons	4

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Injection Unit		280		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	32	36	40
	in.	1.26	1.42	1.57
Screw L/D Ratio	L/D	22.5	20	18
Injection Volume (theoretical)	cm ³	120	152	188
	cu.in.	7.32	9.28	11.47
Injection Weight (PS)	g	109	138	171
	oz.	3.84	4.87	6.03
Injection Rate (PS)	g/s	87	111	137
	oz./s	3.07	3.92	4.83
Injection Pressure	MPa	248	196	158
	psi	35969	28427	22916
Plasticizing Rate (GPPS)	g/s	14.2	18.8	22.7
	oz./s	0.50	0.66	0.80
Screw Speed	rpm	350	350	350



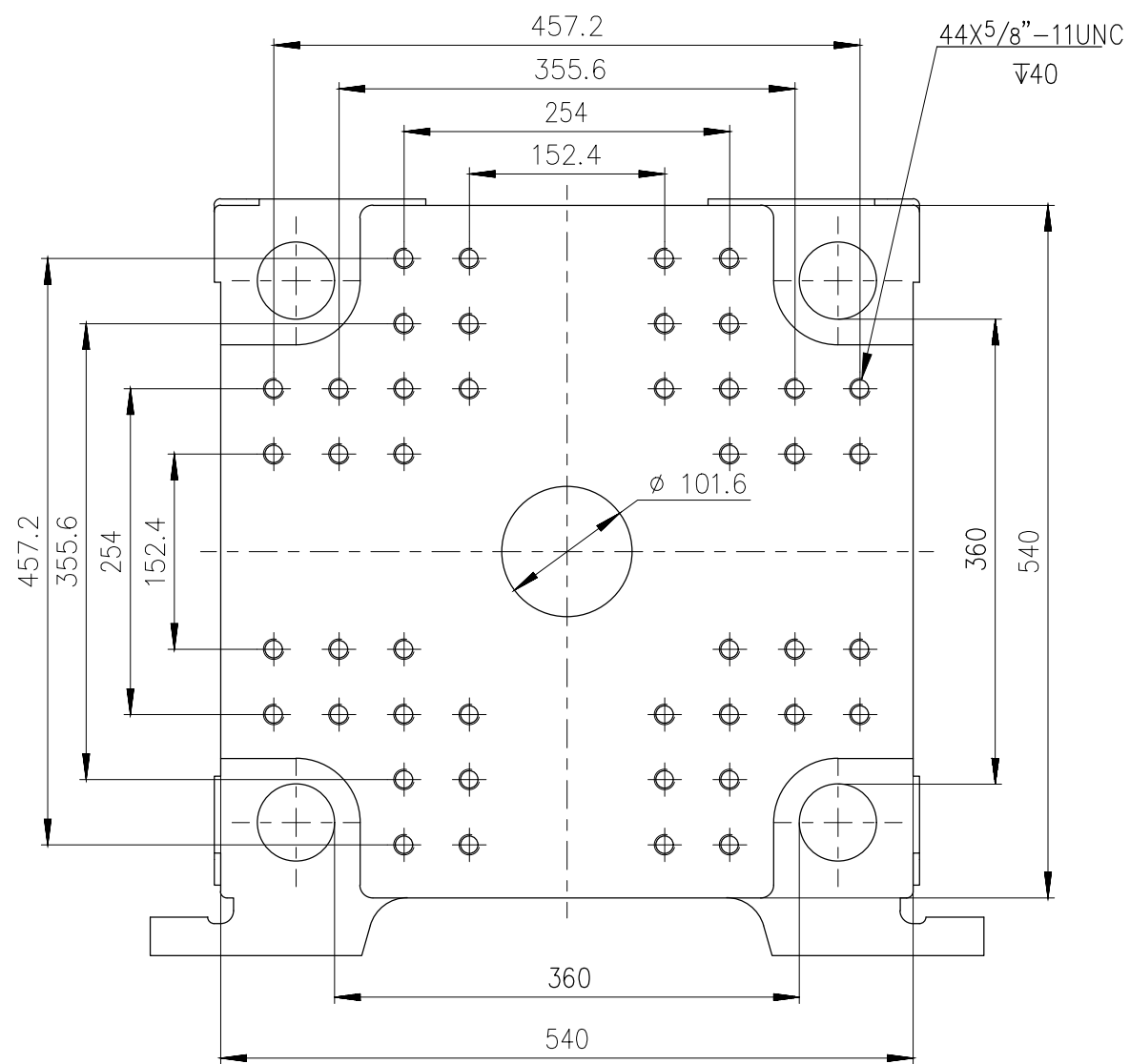
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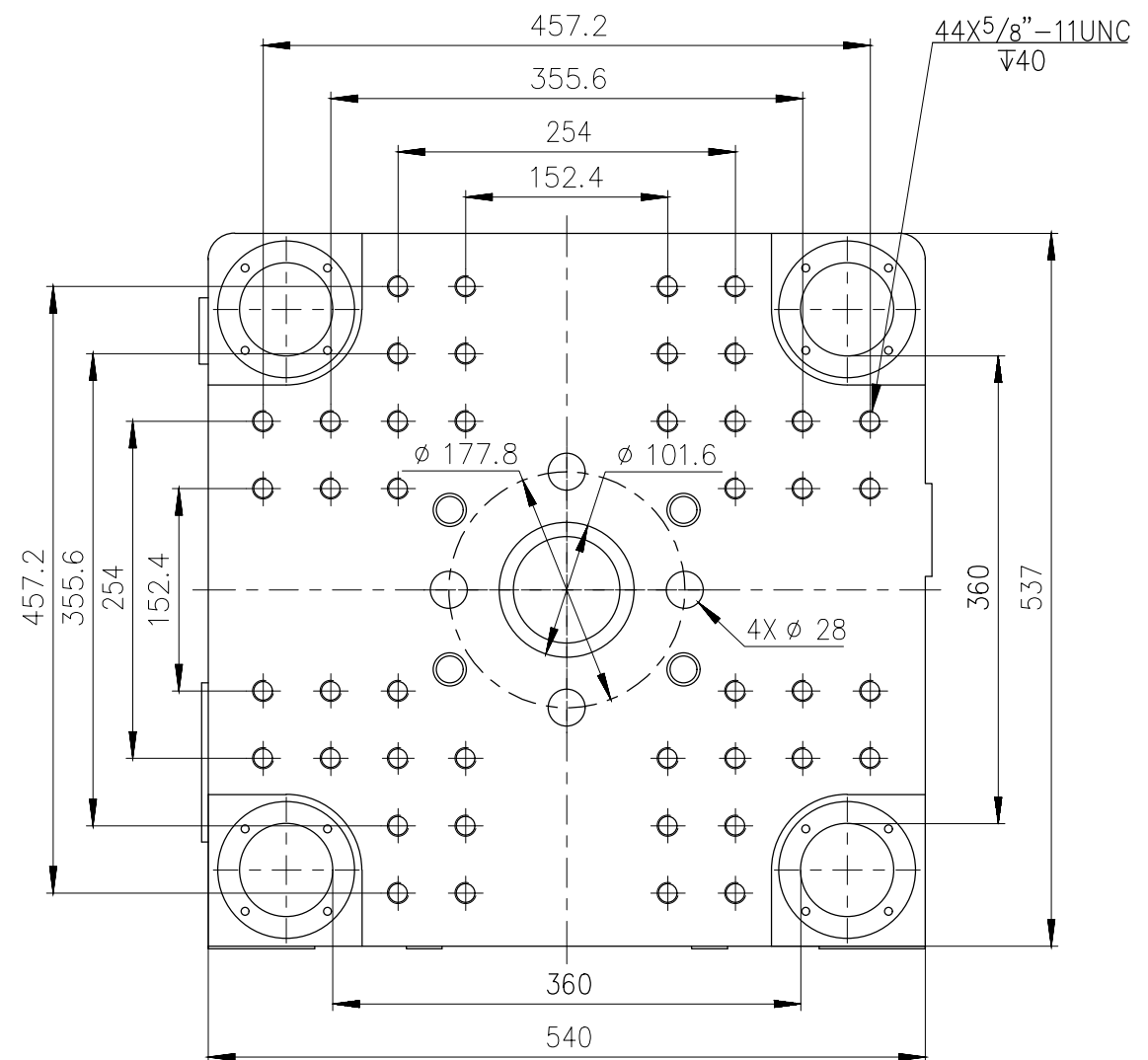
Other		
Pump Motor Power	kW	15
Heater Power	kW	8.6
Machine Dimension (LxWxH)	m	4.35x1.16x1.87
	in.	171x46x74
Machine Weight	t	3.1
	lbs.	6834
Hopper Capacity	kg	25
	lbs.	55
Oil Tank	l	120
	gal	32

***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: MA V 900 Fixed & Moving Platens Drawing

Machine Model: MA V 900
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry Date: 6/19/2024
Chkd By: LEON XIE Date: 6/19/2024

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:

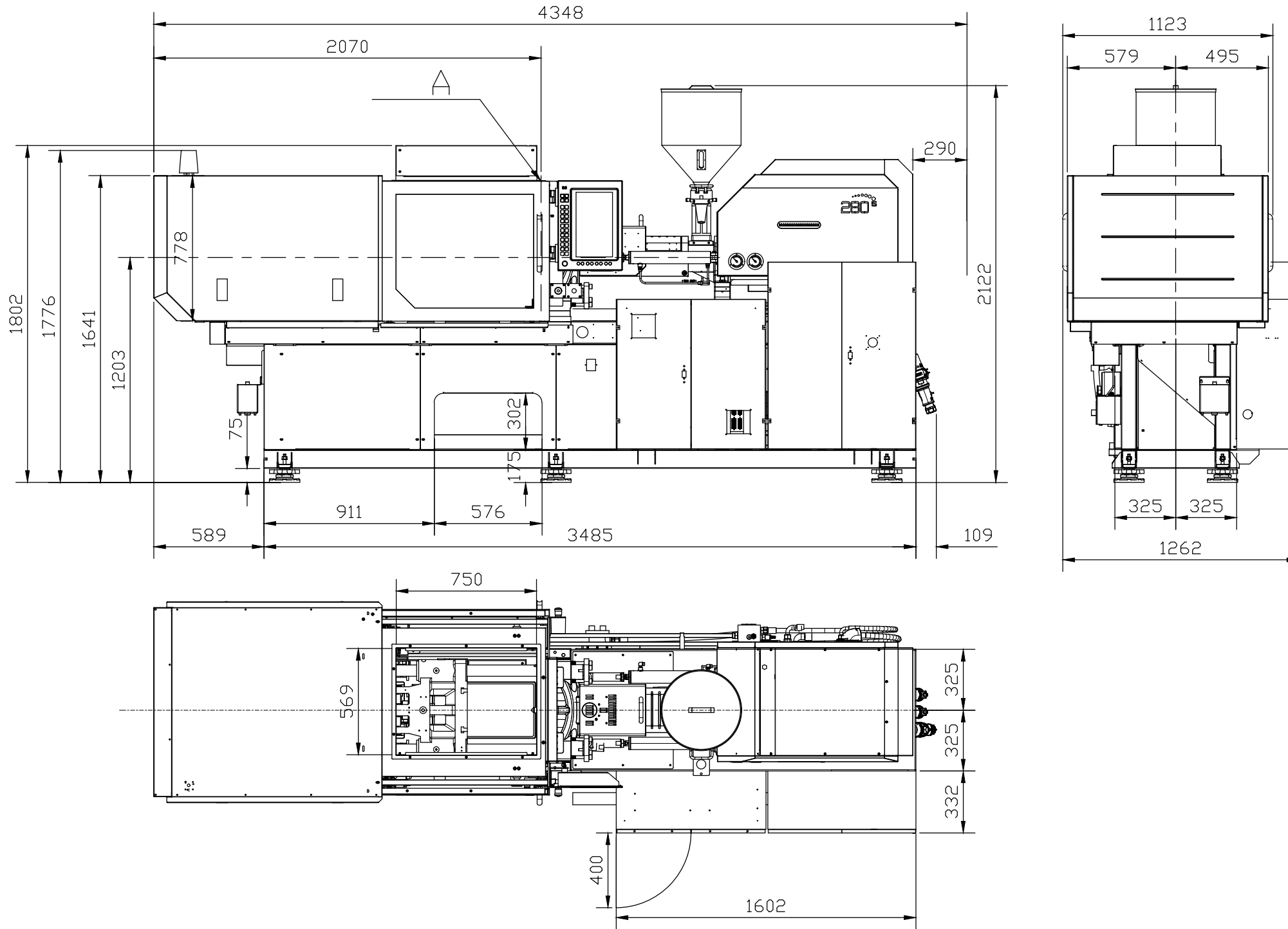
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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



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

Title: MA 900V Layout Drawing

Machine Model: MA 900V

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:

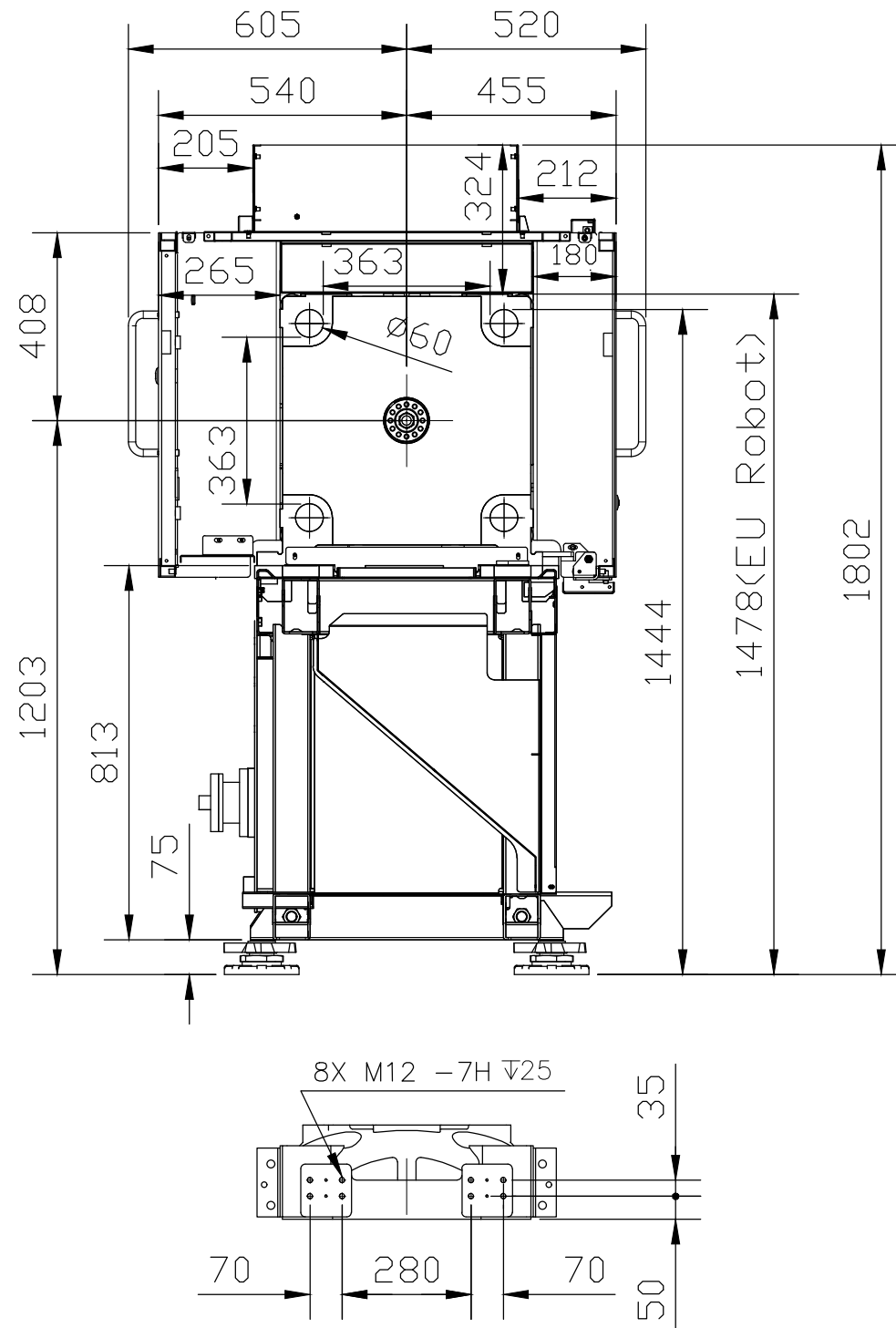
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Customer:

Customer Approval:

Authorized Signature

Notes:



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

Title: MA V 900 Robot Mounting Drawing

Machine Model: MA V 900

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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Customer:

Customer Approval:

Authorized Signature

Notes: