

MA1600V-570

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA1600V/570
Clamping Force	kN	1600
	US Tons	180
Mold Opening Stroke (Min/Max)	mm	430
	in.	16.93
Minimum Mold Height	mm	180
	in.	7.09
Maximum Mold Height	mm	520
	in.	20.47
Maximum Daylight	mm	950
	in.	37.4
Distance Between Tie-Bars (HXV)	mm	470x470
	in.	18.5x18.5
Platen Dimensions (HXV)	mm	700x700
	in.	27.56x27.56
Ejector Stroke	mm	140
	in.	5.51
Ejector Force	kN	33
	US Tons	4

Specification



MA1600V-570

MARS 5 Series: Toggle Clamp Servo-Hydraulic

Injection Unit		570		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	40	45	50
	in.	1.57	1.77	1.97
Screw L/D Ratio	L/D	22.5	20	18
Injection Volume (theoretical)	cm ³	252	319	394
	cu.in.	15.38	19.47	24.04
Injection Weight (PS)	g	229	290	359
	oz.	8.08	10.23	12.66
Injection Rate (PS)	g/s	131	166	205
	oz./s	4.62	5.86	7.23
Injection Pressure	MPa	239	189	153
	psi	34664	27412	22191
Plasticizing Rate (GPPS)	g/s	21	27.9	35
	oz./s	0.74	0.98	1.23
Screw Speed	rpm	285	285	285



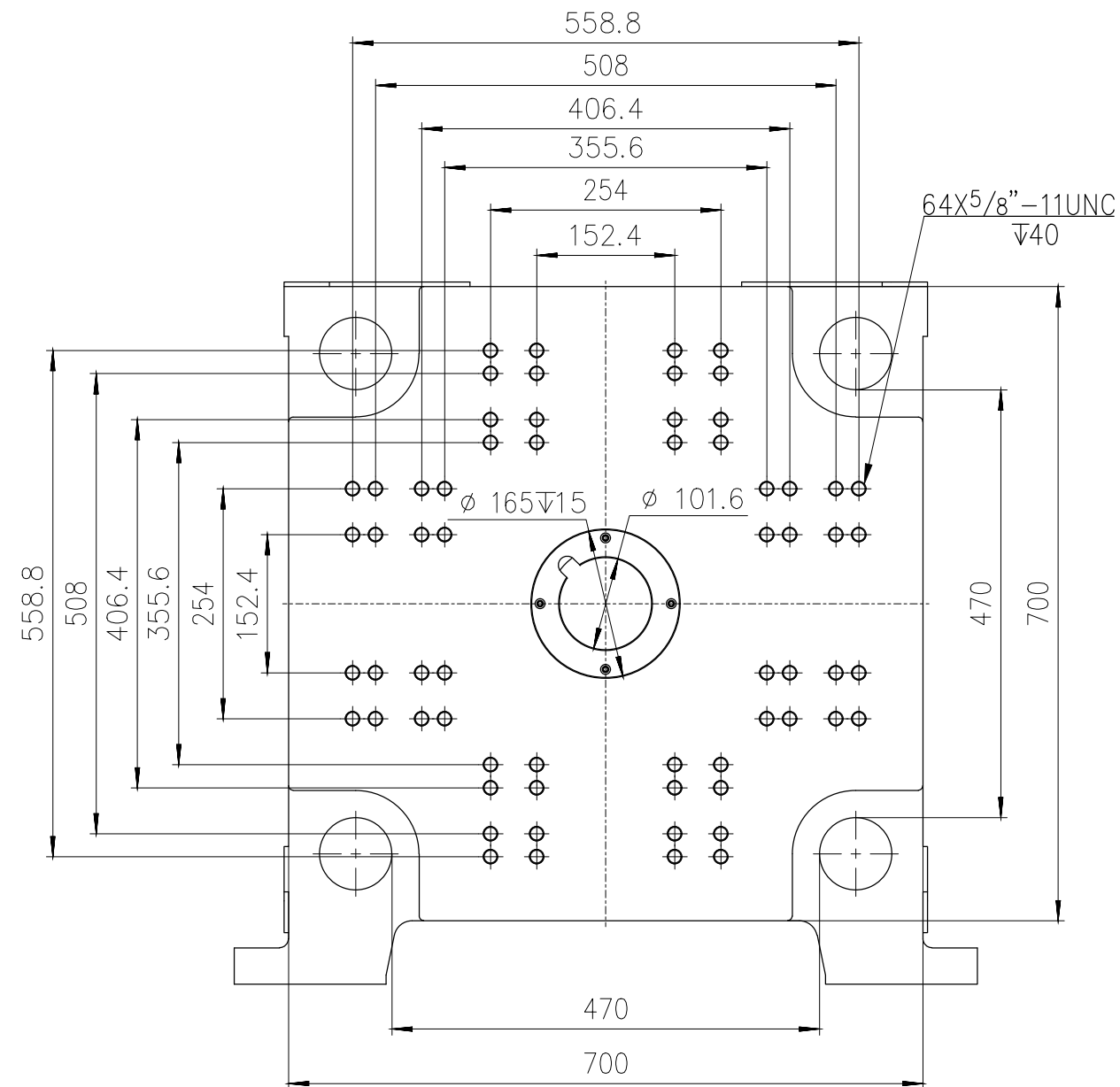
MA1600V-570

MARS 5 Series: Toggle Clamp Servo-Hydraulic

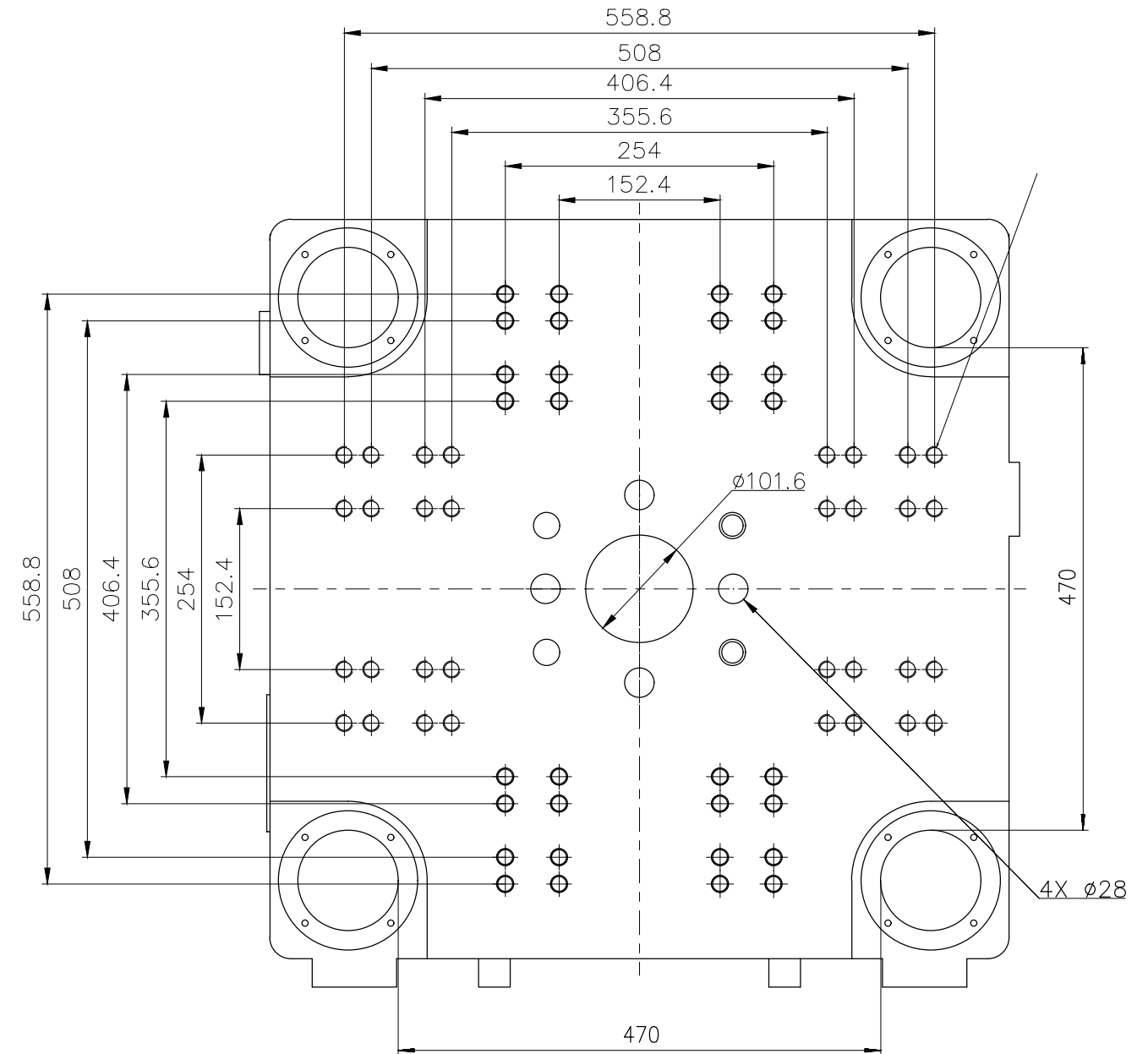
Other		
Pump Motor Power	kW	22
Heater Power	kW	12.85
Machine Dimension (LxWxH)	m	5.59x1.36x2.0
	in.	220x54x79
Machine Weight	t	5
	lbs.	11023
Hopper Capacity	kg	25
	lbs.	55
Oil Tank	l	165
	gal	44

***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 1600 Fixed & Moving Platens Drawing

Machine Model: MAV 1600
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:

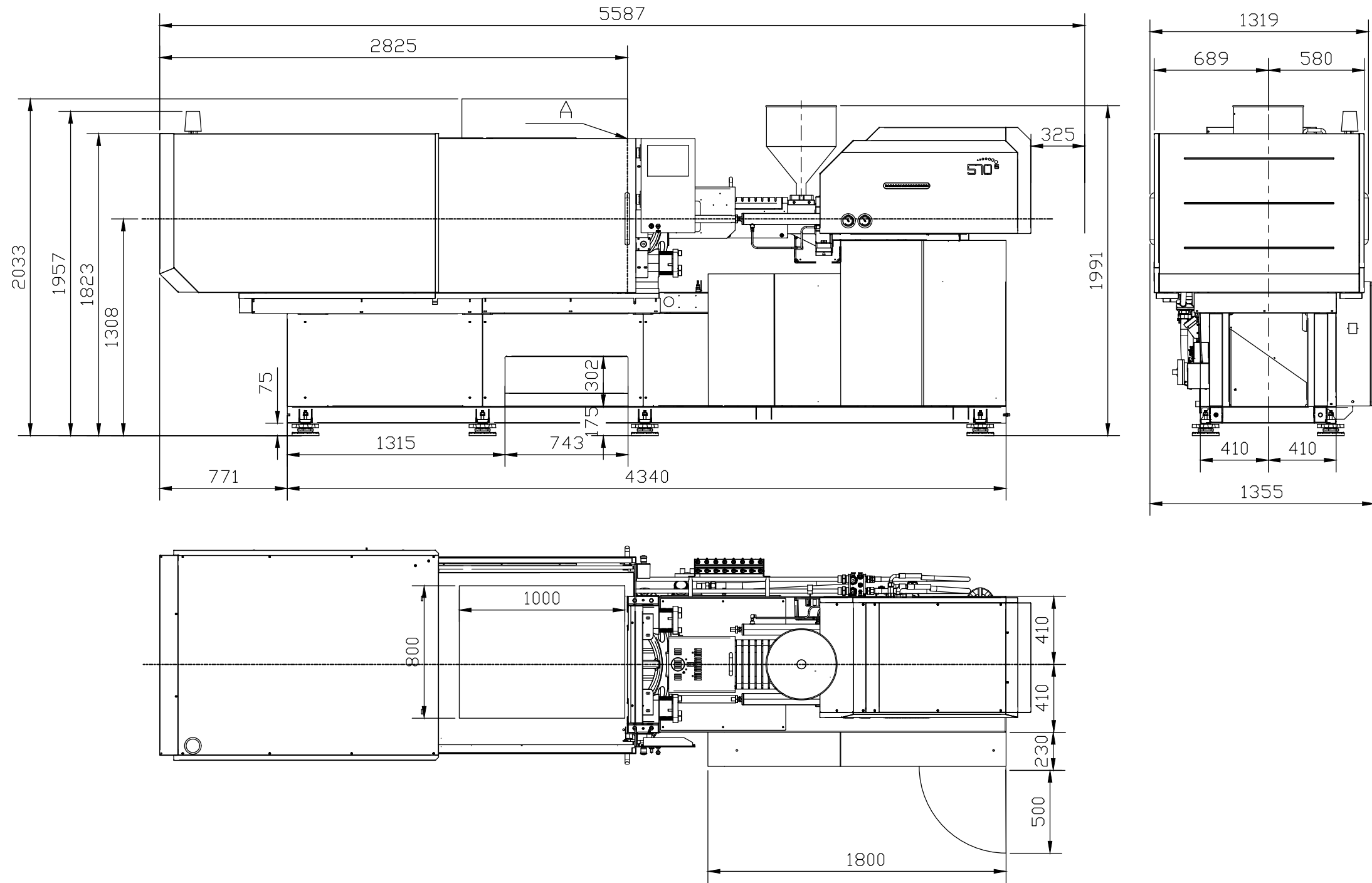
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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

Title: MA V 1600 Layout Drawing

Machine Model: MA V 1600

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"

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:

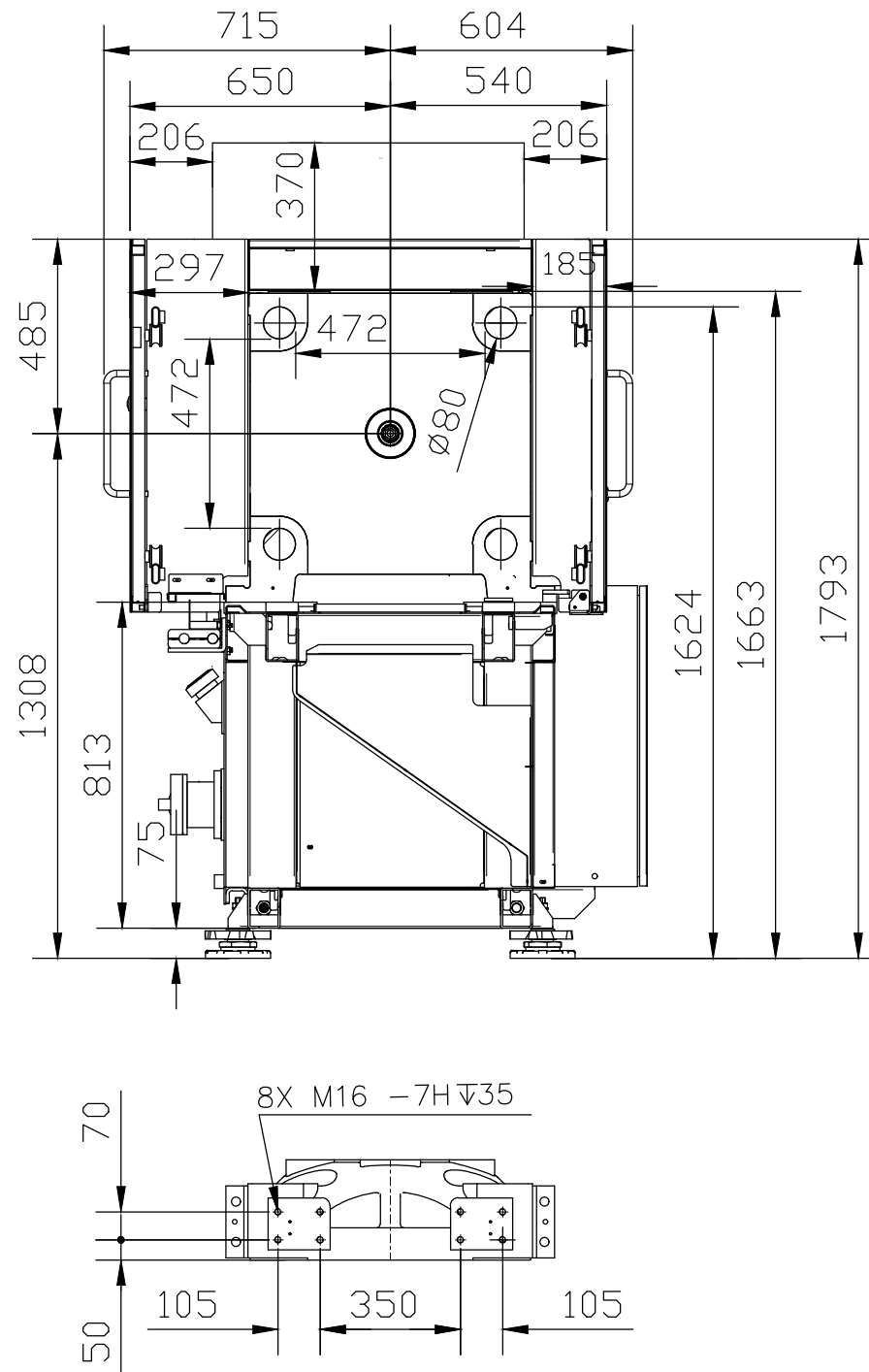
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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

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 1600 Robot Mounting Drawing

Machine Model: MA V 1600
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

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: