

Specification



JU4500V-2250

JUPITER 5 Series: Two-Platen Servo-Hydraulic



Clamping Unit		JU4500V
Clamping Force	kN	4500
	US Tons	506
Mold Opening Stroke (Min/Max)	mm	1050/550
	in.	41.34/21.65
Minimum Mold Height	mm	350
	in.	13.78
Maximum Mold Height	mm	850
	in.	33.46
Maximum Daylight	mm	1400
	in.	55.12
Distance Between Tie-Bars (HXV)	mm	810×810
	in.	31.89×31.89
Platen Dimensions (HXV)	mm	1090×1180
	in.	42.91×46.46
Ejector Stroke	mm	250
	in.	9.84
Ejector Force	kN	110
	US Tons	12
Maximum Mold Weight*	t	6.5
	lbs.	14330

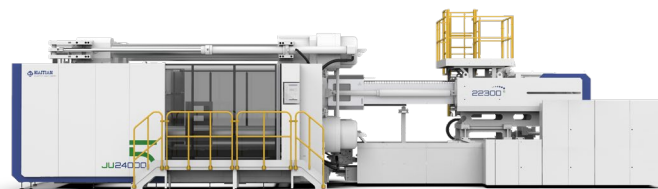
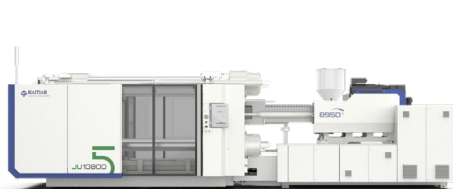
Specification



JU4500V-2250

JUPITER 5 Series: Two-Platen Servo-Hydraulic

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	372	431	495
	oz./s	13.12	15.20	17.46
Injection Pressure	MPa	182	157	137
	psi	26397	22771	19870
Injection Pressure (max)*	MPa	212	183	159
	psi	30748	26542	23061
Plasticizing Rate (GPPS)	g/s	62	71.1	80.4
	oz./s	2.19	2.51	2.84
Plasticizing Rate (HDPE)	g/s	93.5	111.4	124.6
	oz./s	3.30	3.93	4.40
Screw Speed	rpm	240	240	240



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

Specifications subject to change without notice



Rev 2 7/9/2024

Specification



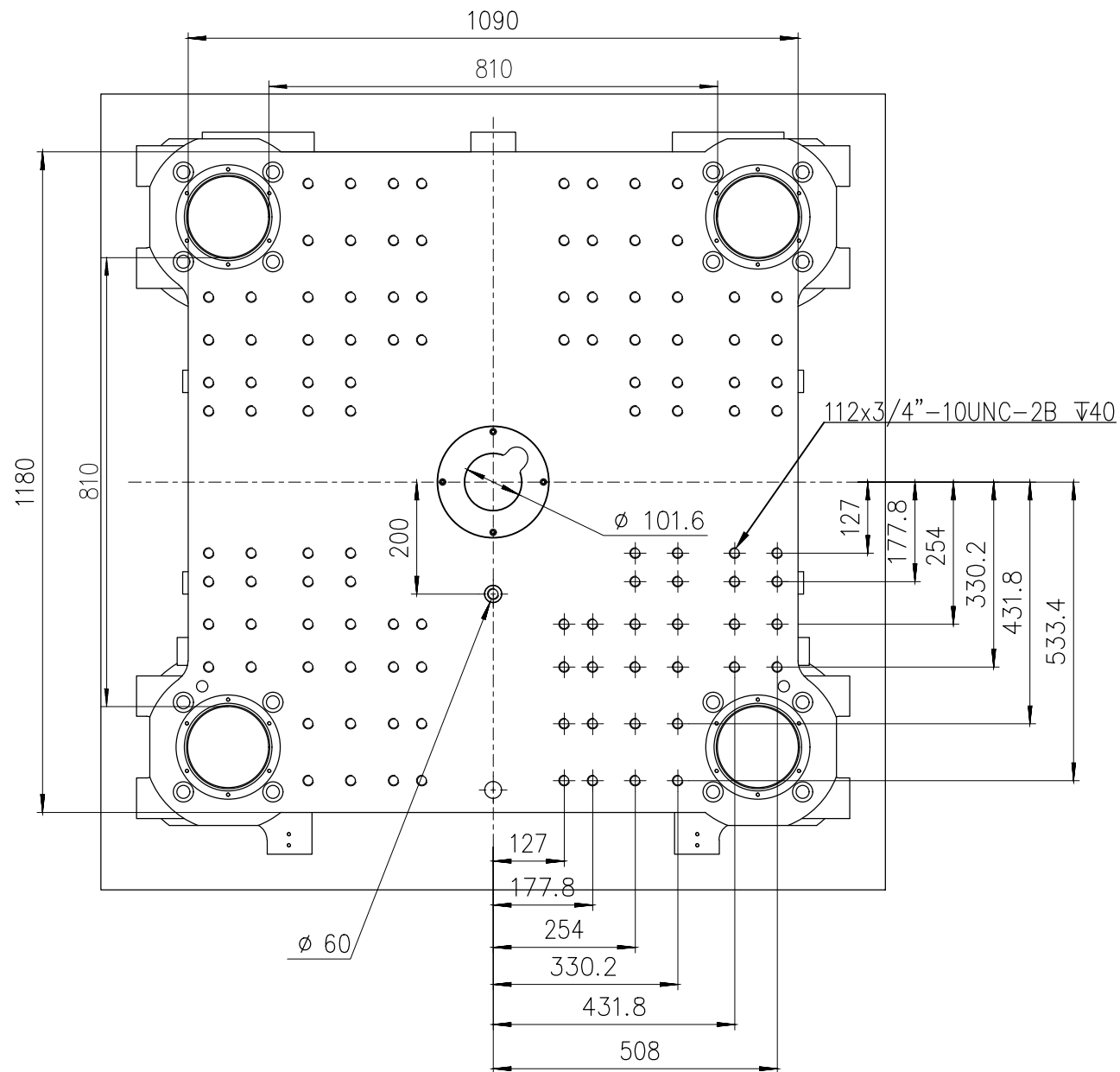
JU4500V-2250

JUPITER 5 Series: Two-Platen Servo-Hydraulic

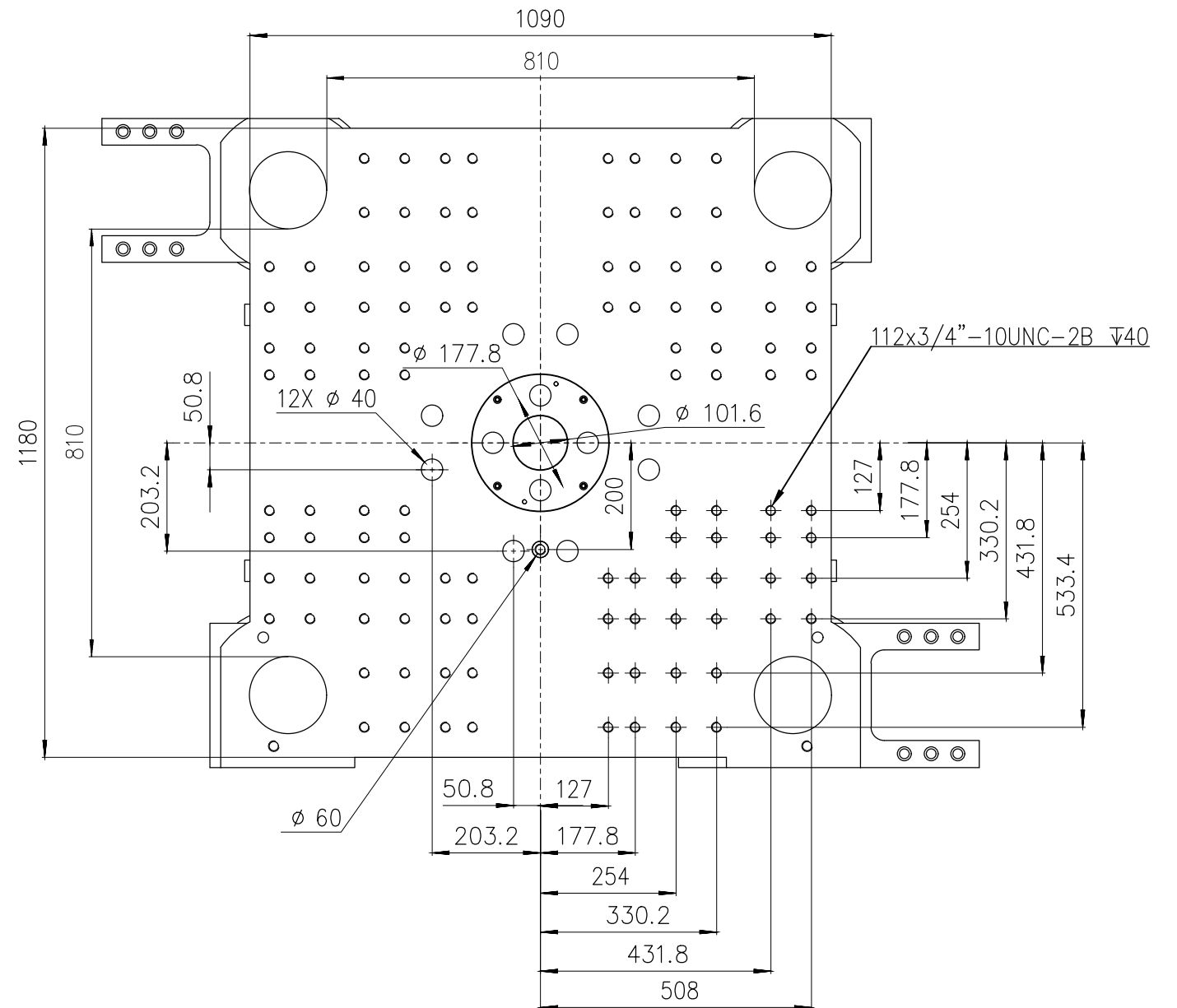
Other		
Pump Motor Power	kW	55
Heater Power	kW	32
Machine Dimension (LxWxH)	m	6.76×2.17×2.51
	in.	266×85×99
Machine Weight	t	20
	lbs.	44092
Hopper Capacity	kg	50
	lbs.	110
Oil Tank	l	430
	gal	114

***NOTE:**

1. Injection Pressure (max) uses the machine's regeneration oil circuit to increase the injection pressure. This function will reduce injection control and repeatability. The standard "Injection Pressure" specification is the maximum injection pressure in a normal operating mode.
2. Moving platen max mold weight is 2/3 of total max mold weight.
3. Electric screw drive (screw rotate) is standard for injection units under 11500. For injection units 11500 and above electric screw drive is optional.
4. 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.
5. 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: JUV 4500 Fixed & Moving Platens Drawing

Machine Model: JUV 4500
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:

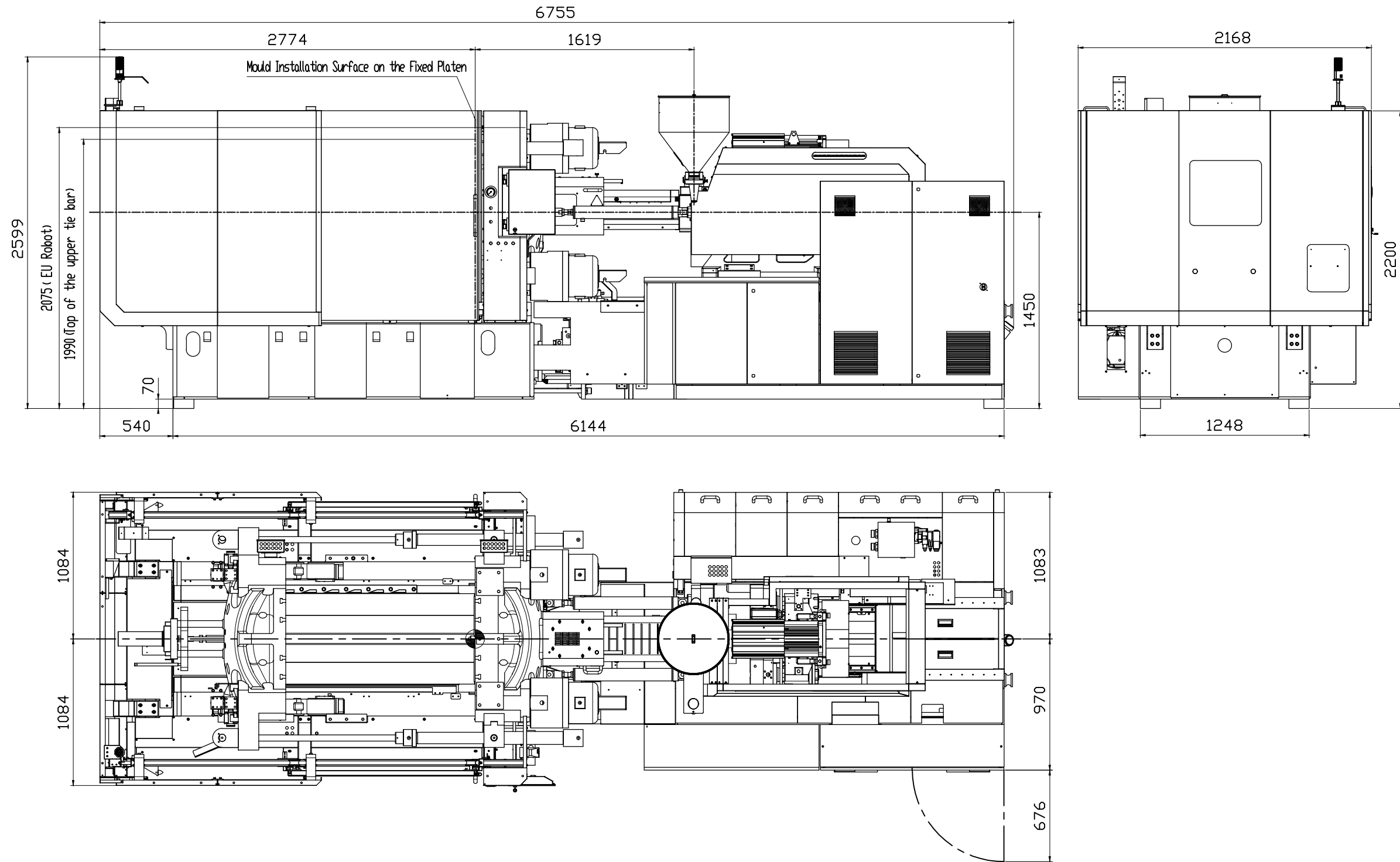
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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: JU V 4500-2250 Layout Drawing

Machine Model: JU V 4500-2250

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:

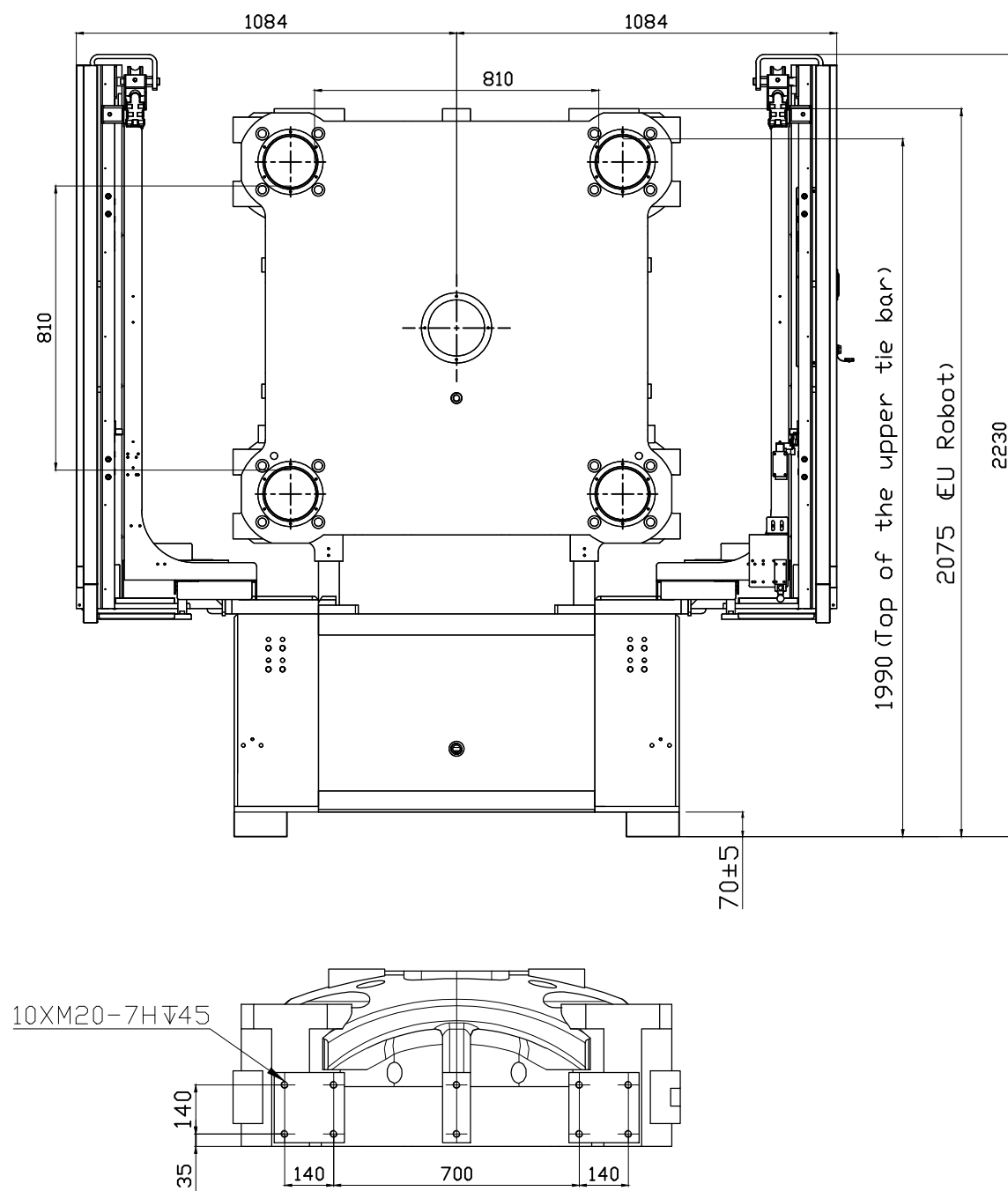
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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: JU V 4500-2250 Robot Mounting Drawing

Machine Model: JU V 4500-2250
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:

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: