

Specification



JU4500V-4650

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

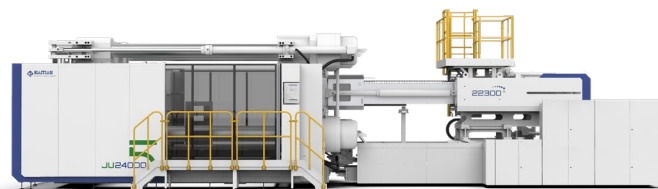
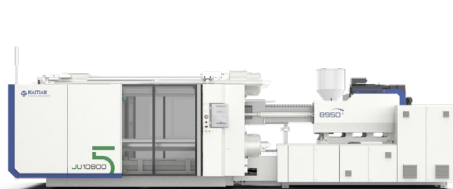
Specification



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JUPITER 5 Series: Two-Platen Servo-Hydraulic

Injection Unit		4650		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	80	85	90
	in.	3.15	3.35	3.54
Screw L/D Ratio	L/D	23.4	22	20.8
Injection Volume (theoretical)	cm ³	2211	2496	2799
	cu.in.	134.92	152.32	170.81
Injection Weight (PS)	g	2012	2272	2547
	oz.	70.97	80.14	89.84
Injection Rate (PS)	g/s	525	593	665
	oz./s	18.52	20.92	23.46
Injection Pressure	MPa	181	160	143
	psi	26252	23206	20740
Injection Pressure (max)*	MPa	208	185	165
	psi	30168	26832	23931
Plasticizing Rate (GPPS)	g/s	80.2	88.7	101
	oz./s	2.83	3.13	3.56
Plasticizing Rate (HDPE)	g/s	119.7	132.9	150.2
	oz./s	4.22	4.69	5.30
Screw Speed	rpm	200	200	200



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Specifications subject to change without notice



Rev 2 7/9/2024

Specification



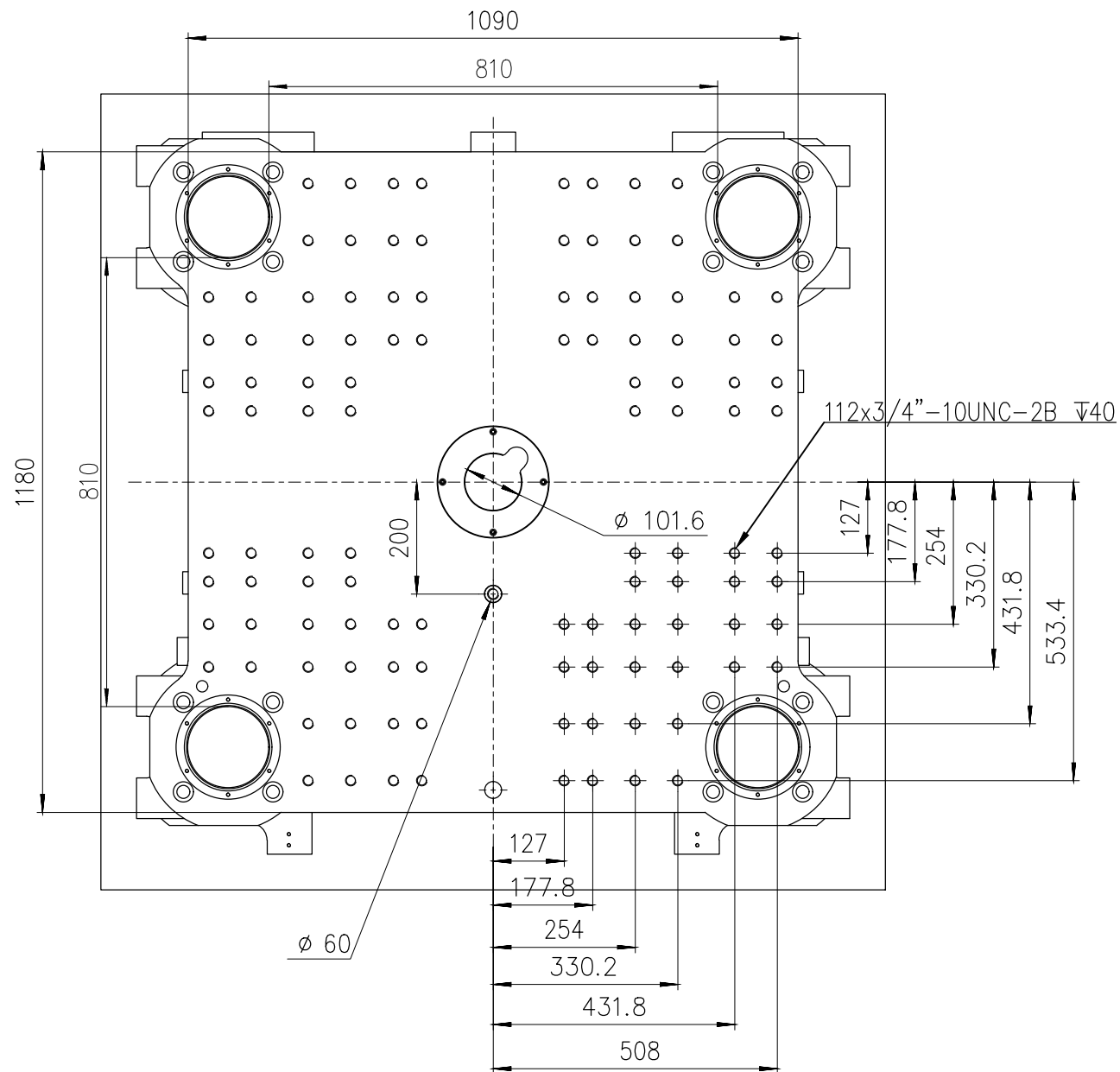
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JUPITER 5 Series: Two-Platen Servo-Hydraulic

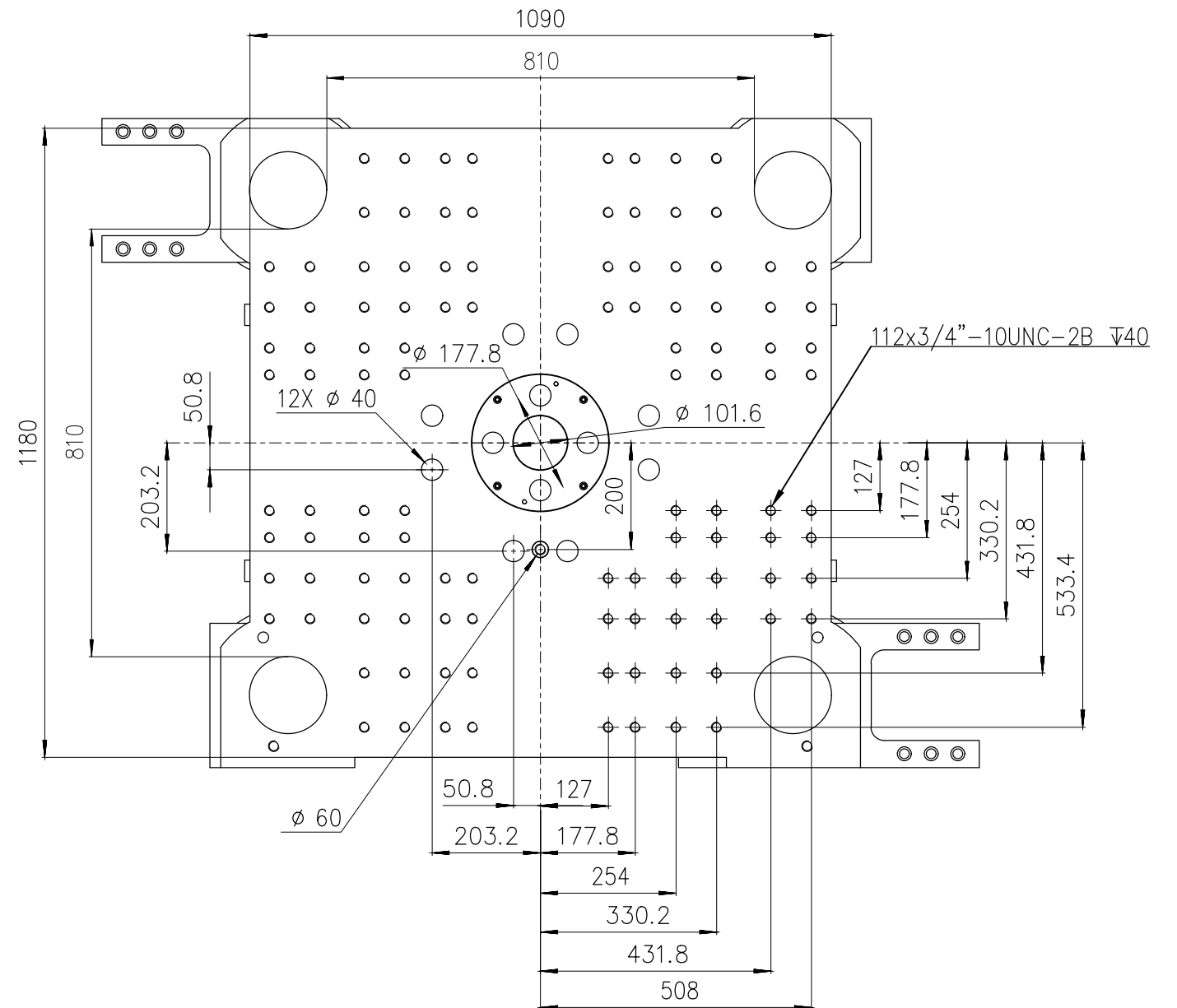
Other		
Pump Motor Power	kW	75
Heater Power	kW	48
Machine Dimension (LxWxH)	m	7.65×2.17×2.90
	in.	301x85x114
Machine Weight	t	22
	lbs.	48502
Hopper Capacity	kg	100
	lbs.	220
Oil Tank	l	510
	gal	135

***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
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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:

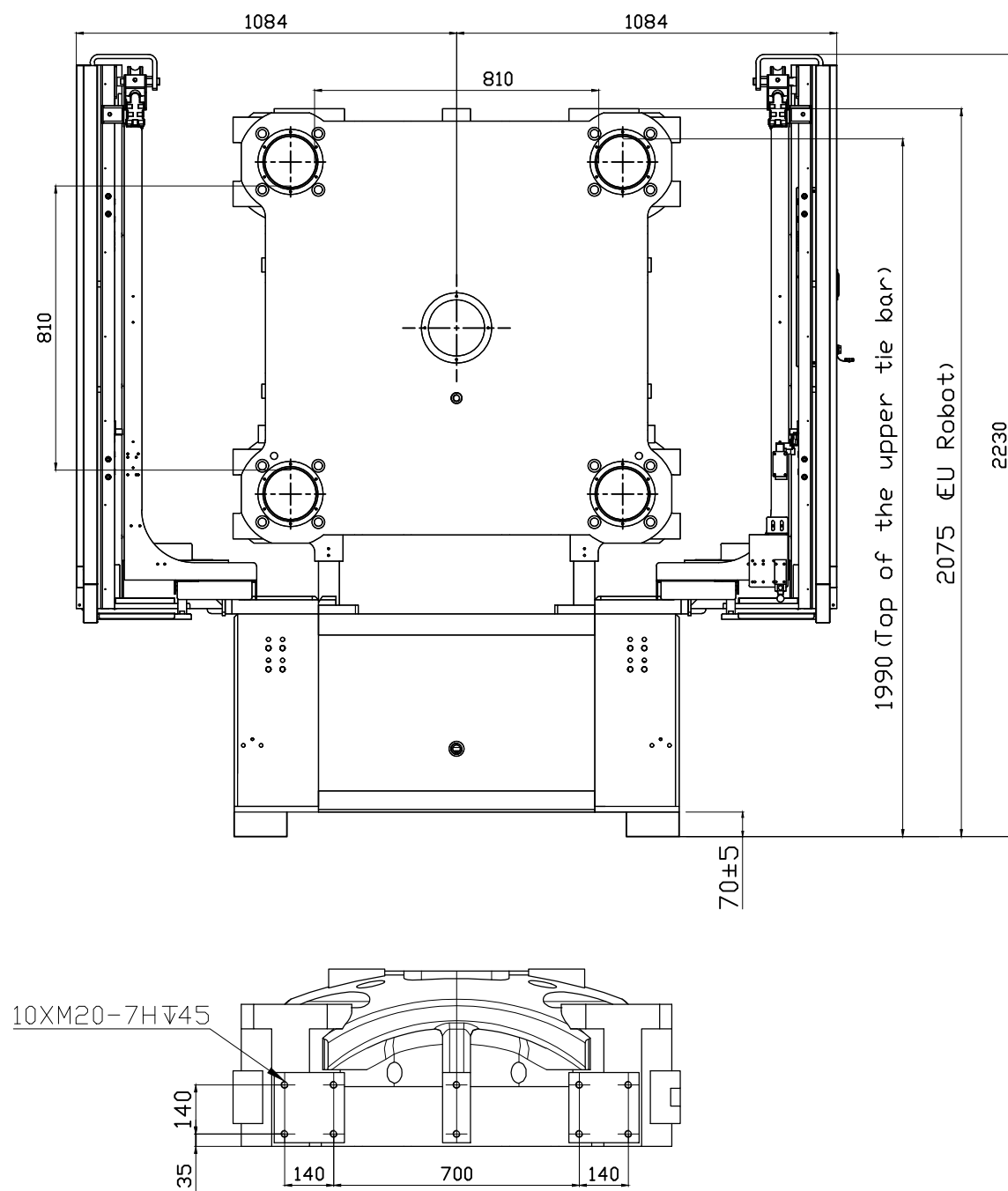
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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

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