

Specification



JU28000V-22500

JUPITER 5 Series: Two-Platen Servo-Hydraulic



Clamping Unit		JU28000V
Clamping Force	kN	28000
	US Tons	3147
Mold Opening Stroke (Min/Max)	mm	3300/2100
	in.	129.92/82.68
Minimum Mold Height	mm	800
	in.	31.5
Maximum Mold Height	mm	2000
	in.	78.74
Maximum Daylight	mm	4100
	in.	161.42
Distance Between Tie-Bars (HXV)	mm	2185×1755
	in.	86.02×69.09
Platen Dimensions (HXV)	mm	3005×2575
	in.	118.31×101.38
Ejector Stroke	mm	500
	in.	19.69
Ejector Force	kN	450
	US Tons	51
Maximum Mold Weight*	t	66
	lbs.	145505

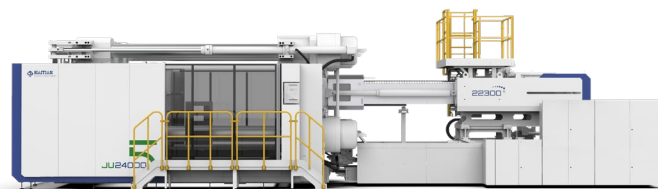
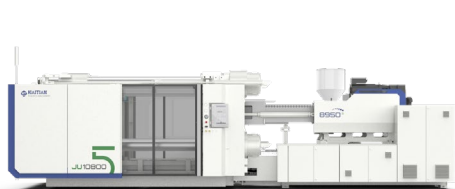
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Injection Unit		22500			
Screw & Barrel Designation		A	B	C	D
Screw Diameter	mm	140	150	160	170
	in.	5.51	5.91	6.30	6.69
Screw L/D Ratio	L/D	24	22.4	21	19.8
Injection Volume (theoretical)	cm ³	10467	12016	13672	15434
	cu.in.	638.74	733.26	834.32	941.84
Injection Weight (PS)	g	9525	10935	12441	14045
	oz.	335.98	385.72	438.84	495.42
Injection Rate (PS)	g/s	1352	1552	1766	1994
	oz./s	47.69	54.75	62.29	70.34
Injection Pressure	MPa	185	161	141	125
	psi	26832	23351	20450	18130
Injection Pressure (max)*	MPa	211	184	161	143
	psi	30603	26687	23351	20740
Plasticizing Rate (GPPS)	g/s	155	176	196	222
	oz./s	5.47	6.21	6.91	7.83
Plasticizing Rate (HDPE)	g/s	243	294	303	334
	oz./s	8.57	10.37	10.69	11.78
Screw Speed	rpm	94	94	94	94



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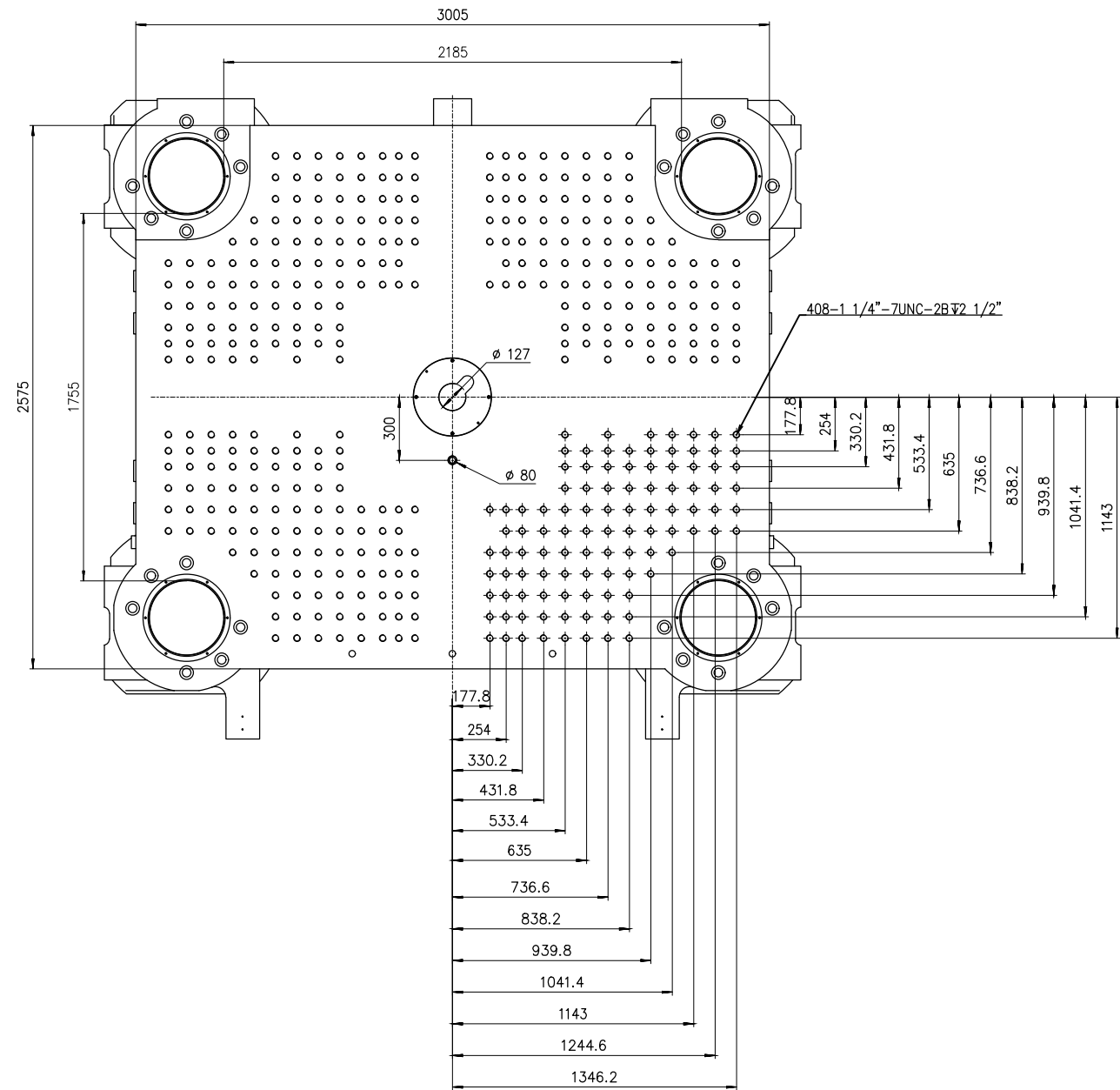
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JUPITER 5 Series: Two-Platen Servo-Hydraulic

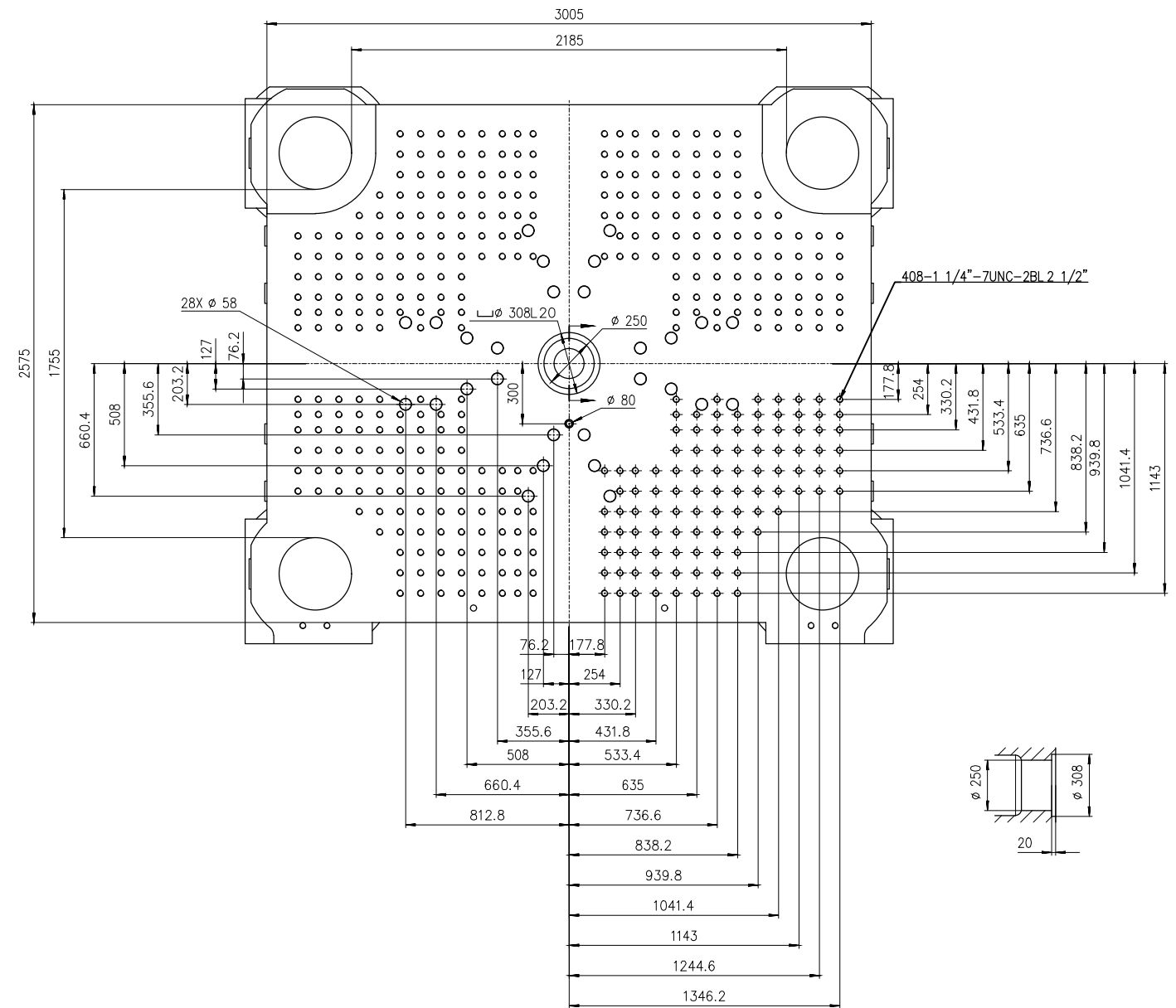
Other		
Pump Motor Power	kW	205
Heater Power	kW	137
Machine Dimension (LxWxH)	m	13.91×6.13×5.06
	in.	548x241x199
Machine Weight	t	138
	lbs.	304238
Hopper Capacity	kg	400
	lbs.	882
Oil Tank	l	1670
	gal	441

***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 21000 Fixed & Moving Platens Drawing

Machine Model: JUV 21000

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

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

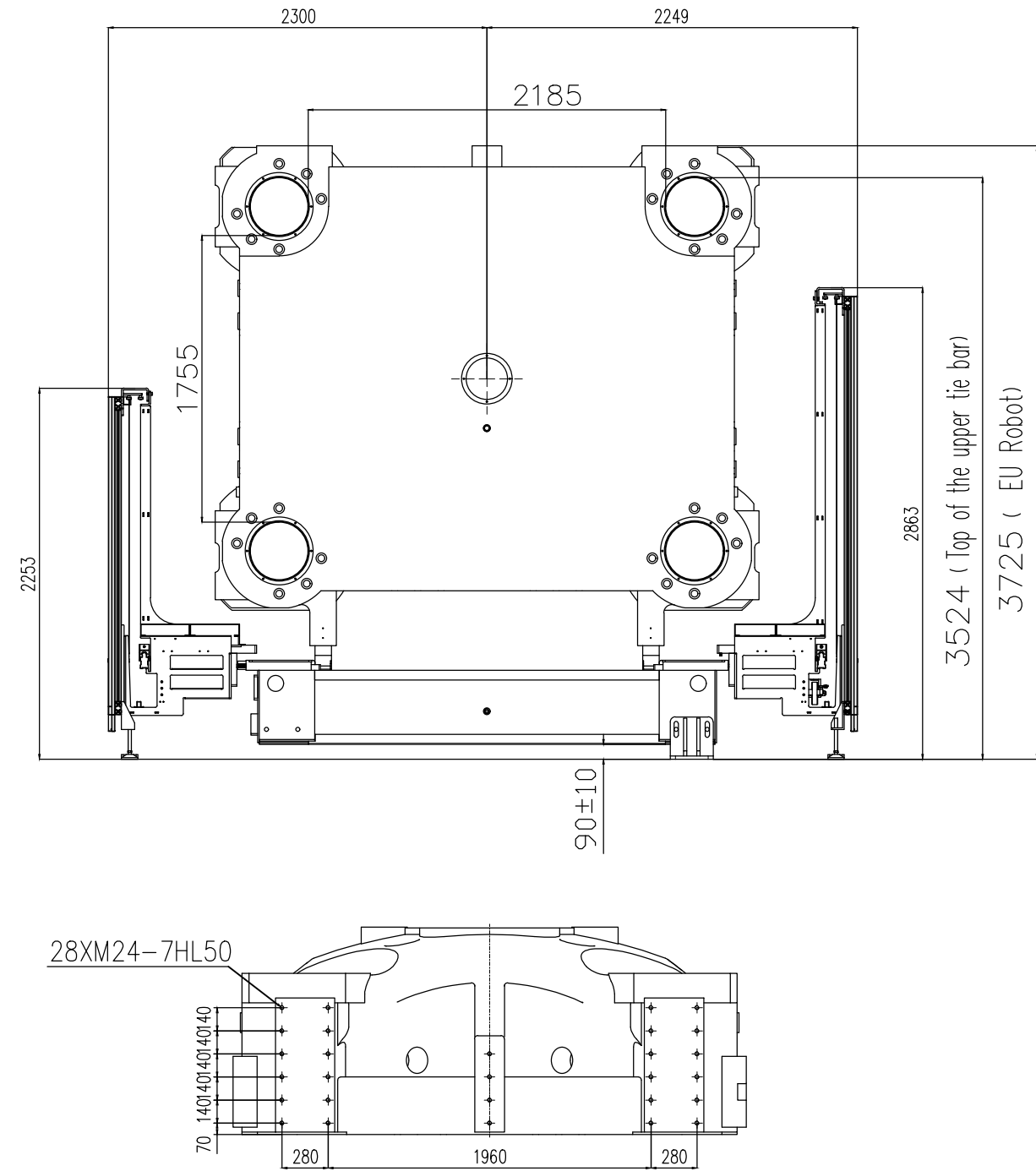
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 28000-50500 Robot Mounting Drawing

Machine Model: JU V 28000-50500

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:

PLEASE READ:

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