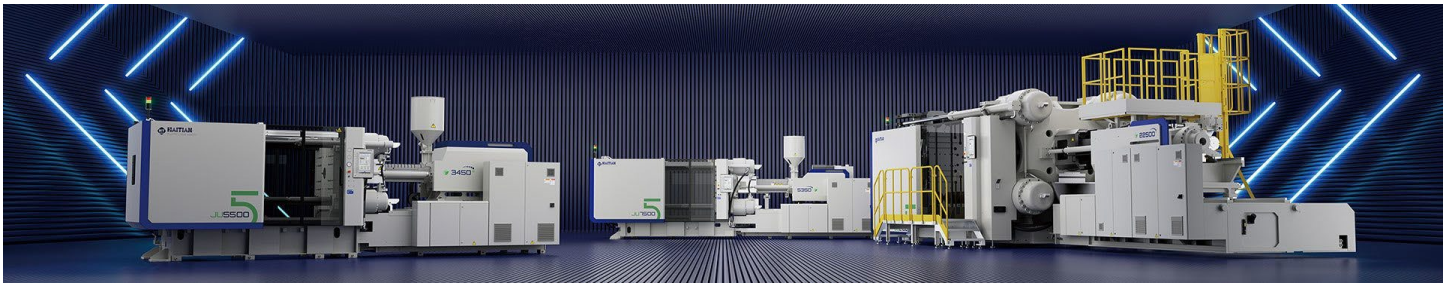
Specification

JU14000V-6750

JUPITER 5 Series: Two-Platen Servo-Hydraulic



Clamping Unit		JU14000V
Clamping Force	kN	14000
	US Tons	1574
Mold Opening Stroke (Min/Max)	mm	2350/1600
	in.	92.52/62.99
Minimum Mold Height	mm	700
	in.	27.56
Maximum Mold Height	mm	1450
	in.	57.09
Maximum Daylight	mm	3050
	in.	120.08
Distance Between Tie-Bars (HXV)	mm	1470×1360
	in.	57.87x53.54
Platen Dimensions (HXV)	mm	2072x1972
	in.	81.57x77.64
Ejector Stroke	mm	400
	in.	15.75
Ejector Force	kN	330
	US Tons	37
Maximum Mold Weight*	t	27
	lbs.	59525

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Rev 2 7/9/2024

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Injection Unit		6750		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	90	100	110
	in.	3.54	3.94	4.33
Screw L/D Ratio	L/D	24.4	22	20
Injection Volume (theoretical)	cm3	2990	3691	4466
	cu.in.	182.46	225.24	272.53
Injection Weight (PS)	g	2720	3359	4064
	oz.	95.95	118.49	143.35
Injection Rate (PS)	g/s	809	999	1209
	oz./s	28.54	35.24	42.65
Injection Pressure	MPa	193	156	129
	psi	27992	22626	18710
Injection Pressure (max)*	MPa	222	180	148
	psi	32198	26107	21466
Plasticizing Rate (GPPS)	g/s	103.4	127.1	150.2
	oz./s	3.65	4.48	5.30
Plasticizing Rate (HDPE)	g/s	155.6	191	227.5
	oz./s	5.49	6.74	8.02
Screw Speed	rpm	170	170	170

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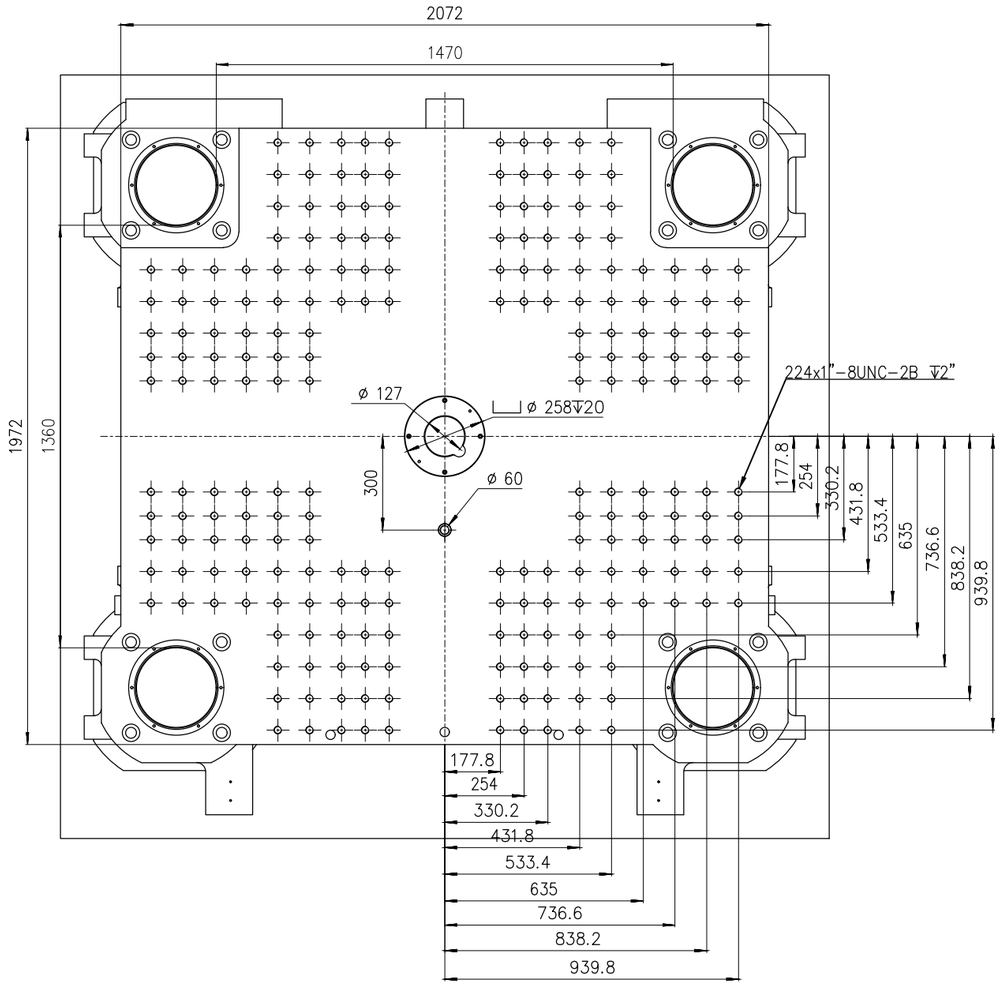
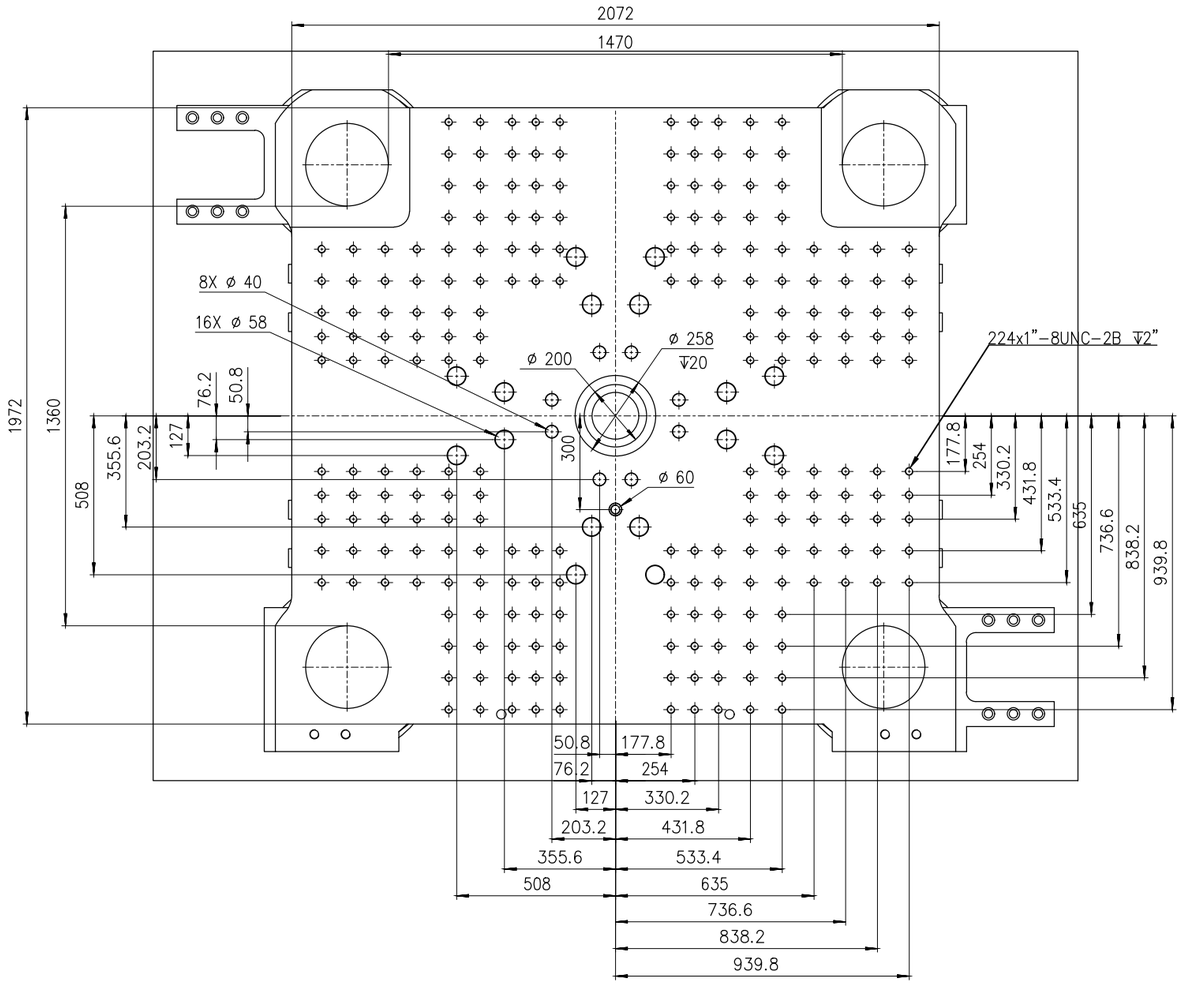
Other		
Pump Motor Power	kW	127
Heater Power	kW	71
Machine Dimension (LxWxH)	m	10.30×3.52×3.81
	in.	406x139x150
Machine Weight	t	60
	lbs.	132277
Hopper Capacity	kg	100
	lbs.	220
Oil Tank	l	590
	gal	156

*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

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Absolute Haitian Corporation
33 Southgate St. Worcester, MA
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Title: JUV 14000 Fixed & Moving Platens Drawing

Machine Model: JUV 14000
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1
Drawn By: Harry **Date: 1/9/2024**
Chkd By:LEON XIE **Date: 1/9/2024**
NOT TO SCALE **Size:** 11 X 17 "B"
Units: mm / [in]
Material:
Part:
Part:
Part:
Part:
Part:
Part:

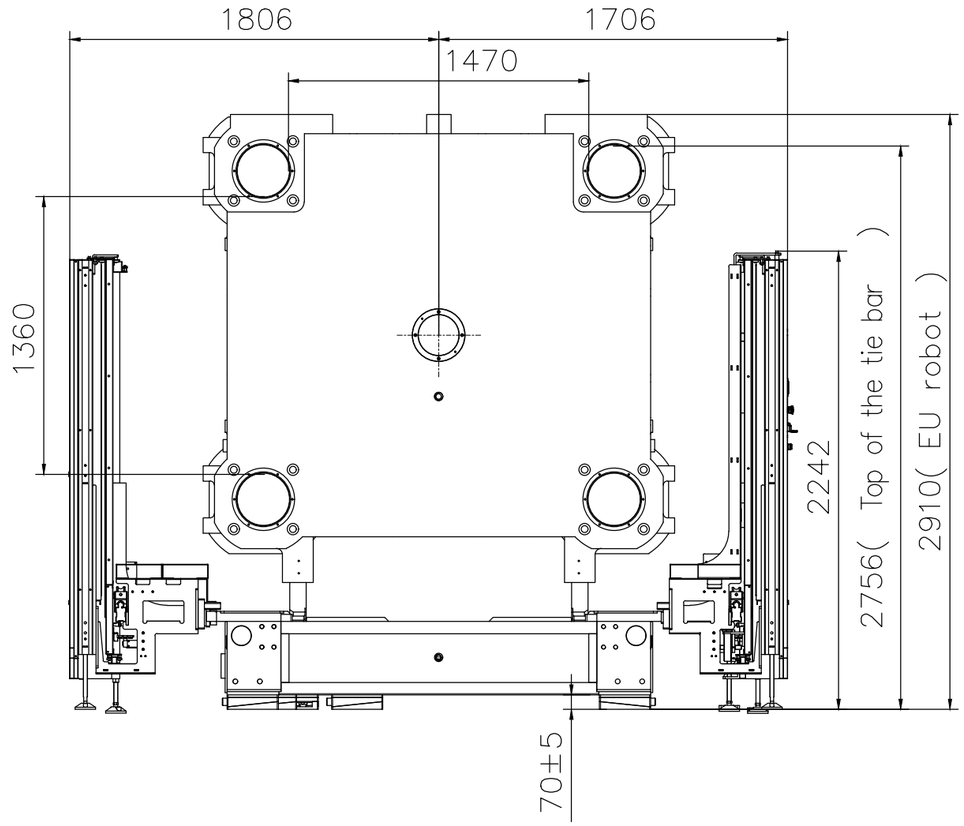
Revision	Date:	Drawing #:
Rev #: 1		
Rev #: 2		
Rev #: 3		
Rev #: 4		
Rev #: 5		

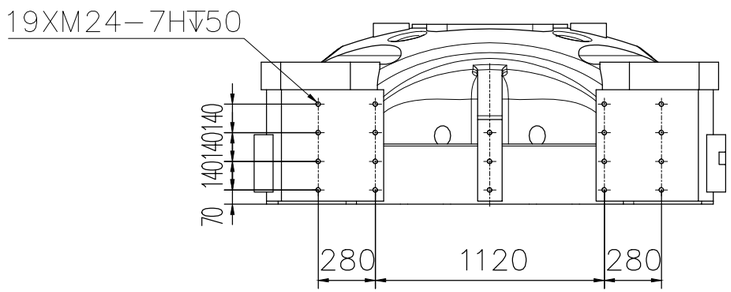
PLEASE READ:
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with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





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Title: JU V 14000-11500 Robot Mounting Drawing

Machine Model: JU V 14000-11500 **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:
				Part:
				Part:

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Customer:

Customer Approval:
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Notes: