

Specification



JU12000V-5350

JUPITER 5 Series: Two-Platen Servo-Hydraulic



Clamping Unit		JU12000V
Clamping Force	kN	12000
	US Tons	1349
Mold Opening Stroke (Min/Max)	mm	2050/1400
	in.	80.71/55.12
Minimum Mold Height	mm	600
	in.	23.62
Maximum Mold Height	mm	1250
	in.	49.21
Maximum Daylight	mm	2650
	in.	104.33
Distance Between Tie-Bars (HXV)	mm	1310×1200
	in.	51.57×47.24
Platen Dimensions (HXV)	mm	1860×1760
	in.	73.23×69.29
Ejector Stroke	mm	350
	in.	13.78
Ejector Force	kN	230
	US Tons	26
Maximum Mold Weight*	t	20
	lbs.	44092

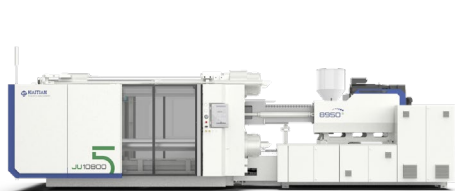
Specification



JU12000V-5350

JUPITER 5 Series: Two-Platen Servo-Hydraulic

Injection Unit		5350		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	80	90	100
	in.	3.15	3.54	3.94
Screw L/D Ratio	L/D	24.8	22	19.8
Injection Volume (theoretical)	cm ³	2261	2862	3534
	cu.in.	137.97	174.65	215.66
Injection Weight (PS)	g	2058	2605	3216
	oz.	72.59	91.89	113.44
Injection Rate (PS)	g/s	610	772	954
	oz./s	21.52	27.23	33.65
Injection Pressure	MPa	204	161	130
	psi	29588	23351	18855
Injection Pressure (max)*	MPa	236	186	151
	psi	34229	26977	21901
Plasticizing Rate (GPPS)	g/s	85	106.6	131
	oz./s	3.00	3.76	4.62
Plasticizing Rate (HDPE)	g/s	127.9	162.2	200.1
	oz./s	4.51	5.72	7.06
Screw Speed	rpm	190	190	190



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



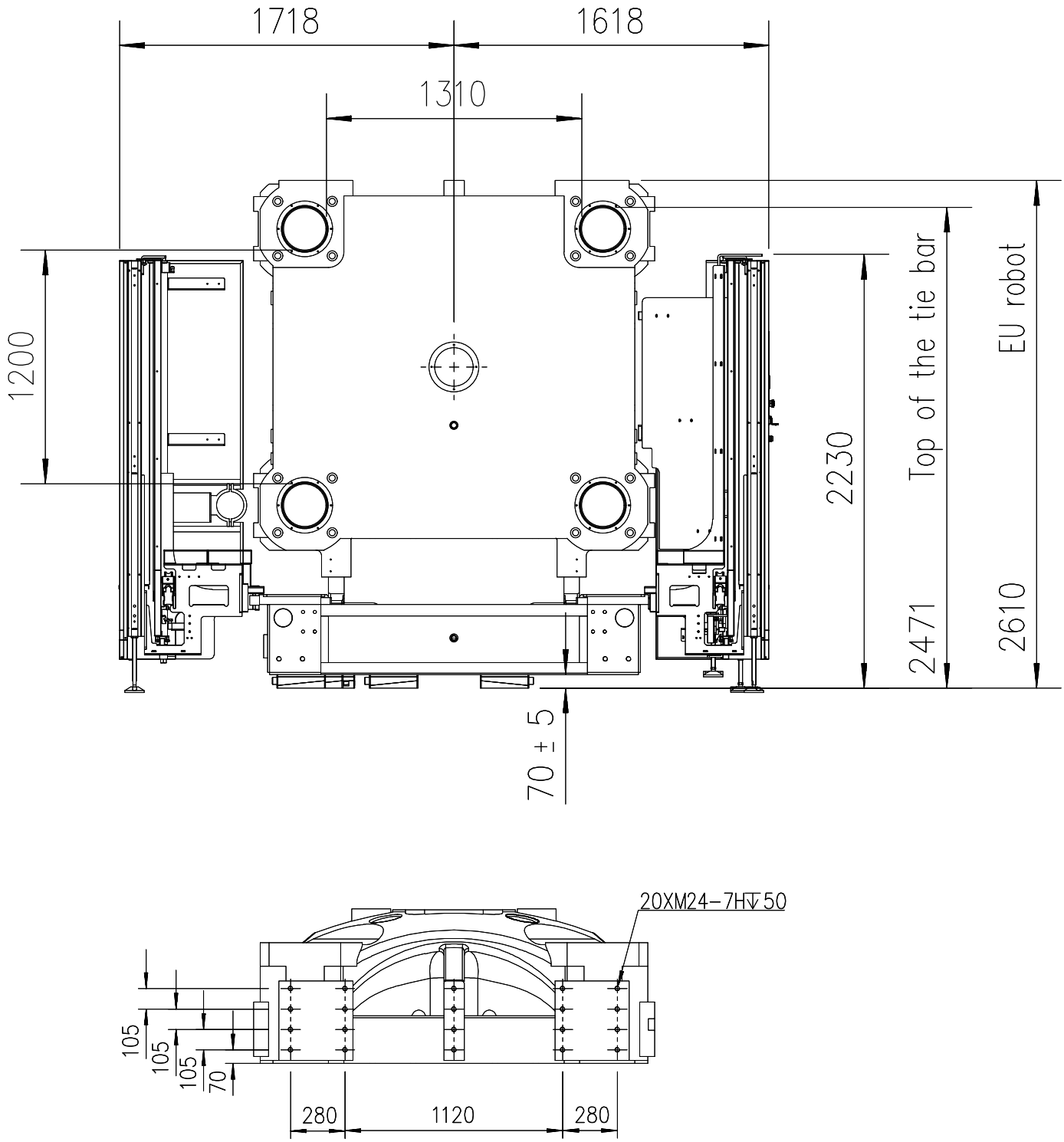
JU12000V-5350

JUPITER 5 Series: Two-Platen Servo-Hydraulic

Other		
Pump Motor Power	kW	105
Heater Power	kW	54
Machine Dimension (LxWxH)	m	9.51×3.34×3.12
	in.	374×131×123
Machine Weight	t	47
	lbs.	103617
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.



Absolute Haitian Corporation
33 Southgate St. Worcester, MA
T: +1 508-792-4305
www.absolutehaitian.com

Title: JU V 12000-8950 Robot Mounting Drawing

Machine Model: JU V 12000-8950
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: