

MA2000V-750

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA2000V/750
Clamping Force	kN	2000
	US Tons	225
Mold Opening Stroke (Min/Max)	mm	490
	in.	19.29
Minimum Mold Height	mm	200
	in.	7.87
Maximum Mold Height	mm	550
	in.	21.65
Maximum Daylight	mm	1040
	in.	40.94
Distance Between Tie-Bars (HXV)	mm	530x530
	in.	20.87x20.87
Platen Dimensions (HXV)	mm	790x790
	in.	31.1x31.1
Ejector Stroke	mm	140
	in.	5.51
Ejector Force	kN	62
	US Tons	7

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Injection Unit		750		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	45	50	55
	in.	1.77	1.97	2.17
Screw L/D Ratio	L/D	22.2	20	18.2
Injection Volume (theoretical)	cm ³	365	451	546
	cu.in.	22.27	27.52	33.32
Injection Weight (PS)	g	332	410	497
	oz.	11.71	14.46	17.53
Injection Rate (PS)	g/s	166	205	248
	oz./s	5.86	7.23	8.75
Injection Pressure	MPa	233	189	156
	psi	33794	27412	22626
Plasticizing Rate (GPPS)	g/s	29	36.5	44.6
	oz./s	1.02	1.29	1.57
Screw Speed	rpm	270	270	270



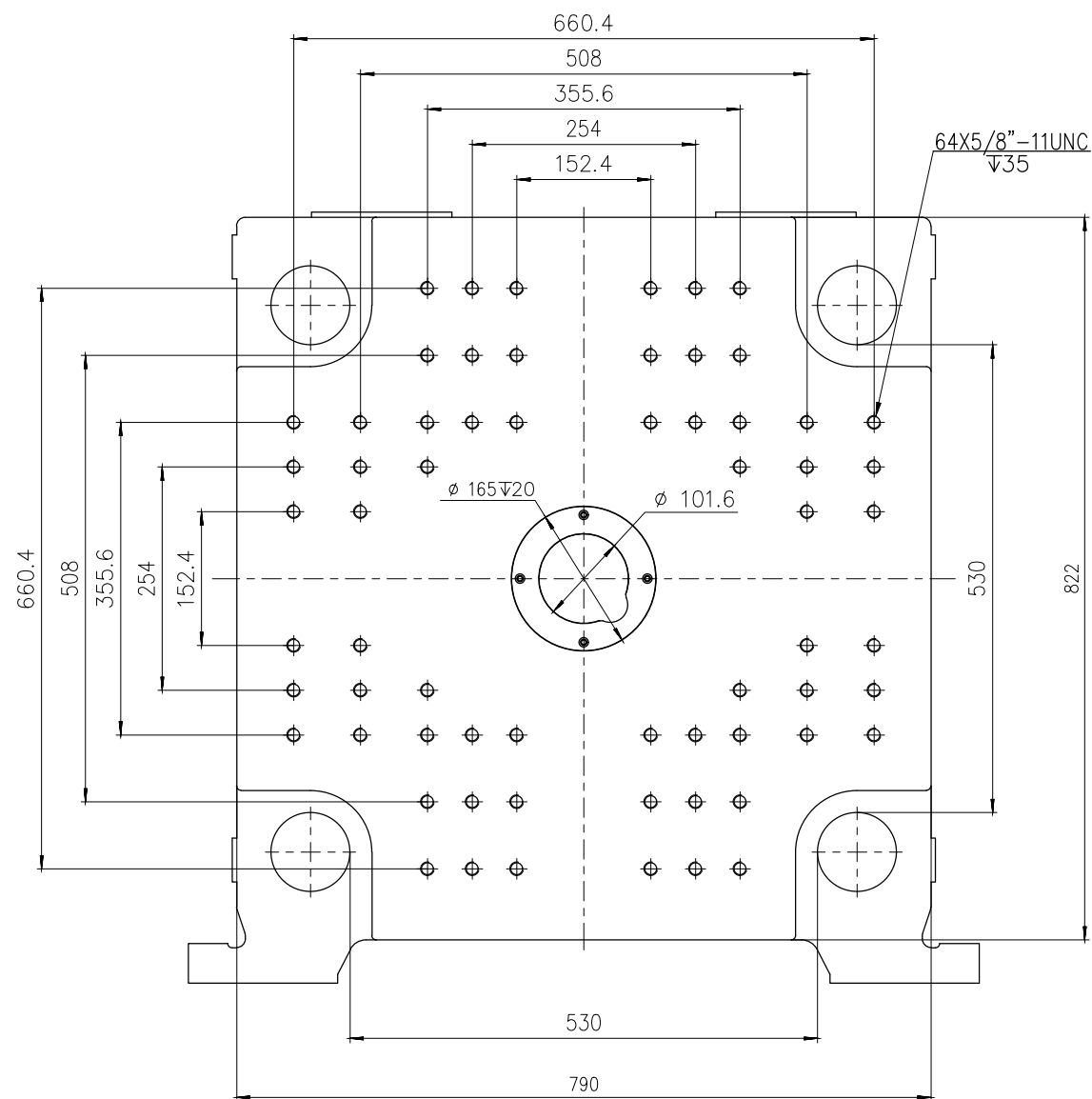
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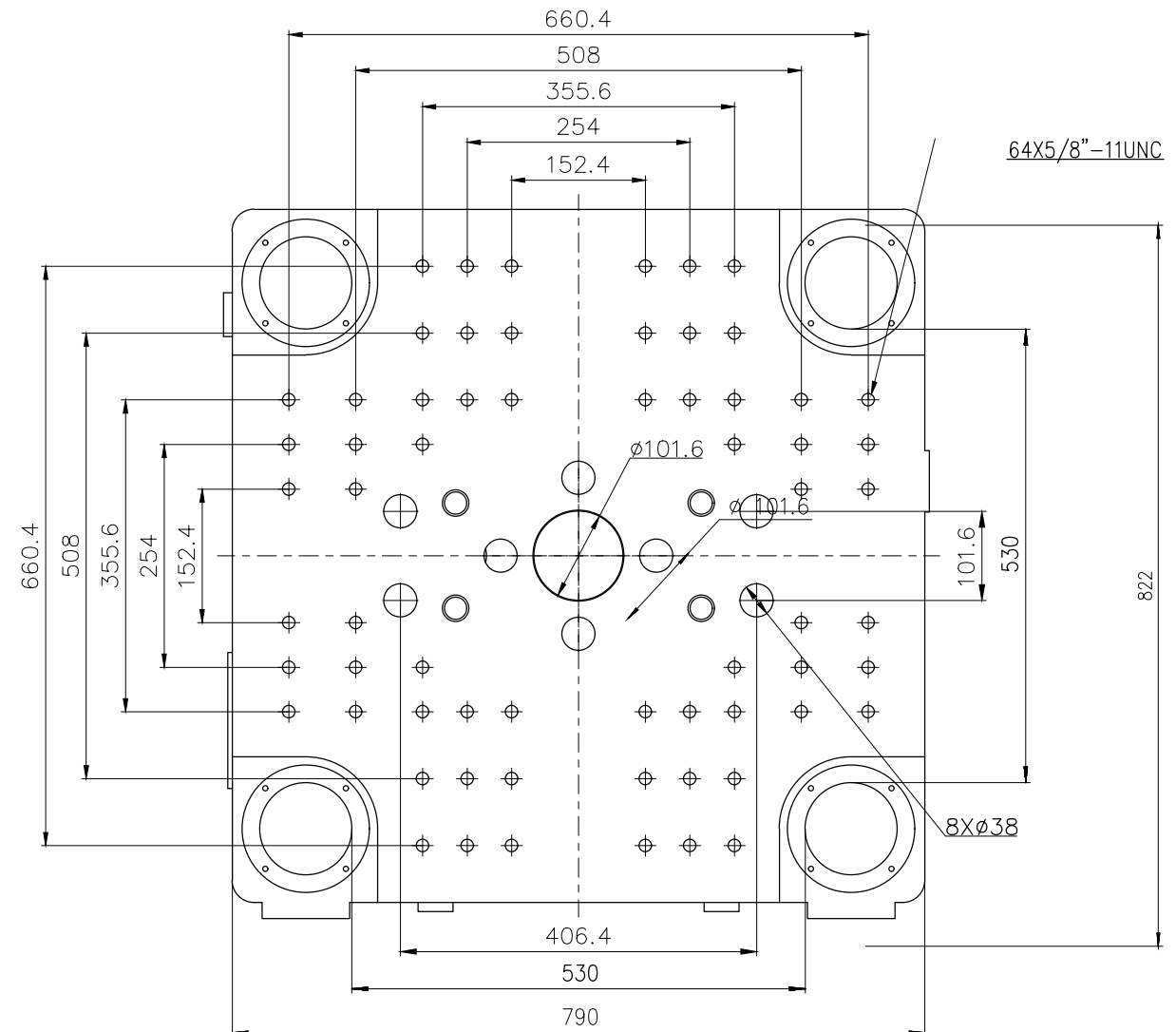
Other		
Pump Motor Power	kW	30
Heater Power	kW	16.8
Machine Dimension (LxWxH)	m	6.08x1.44x2.17
	in.	239x57x85
Machine Weight	t	6.7
	lbs.	14771
Hopper Capacity	kg	50
	lbs.	110
Oil Tank	l	205
	gal	54

***NOTE:**

1. Electric screw drive (screw rotate) is standard for injection units under 10600. For injection units 10600 and above electric screw drive is optional.
2. 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.
3. 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: MAV 2000 Fixed & Moving Platens Drawing				
Machine Model: MAV 2000			Sheet: 1 of 1	
Machine Serial Number:			Drawn By: Harry	Date: 1/9/2024
Machine Tonnage:			Chkd By: LEON XIE	Date: 1/9/2024
Revision	Date:	Drawing #:	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:

PLEASE READ:

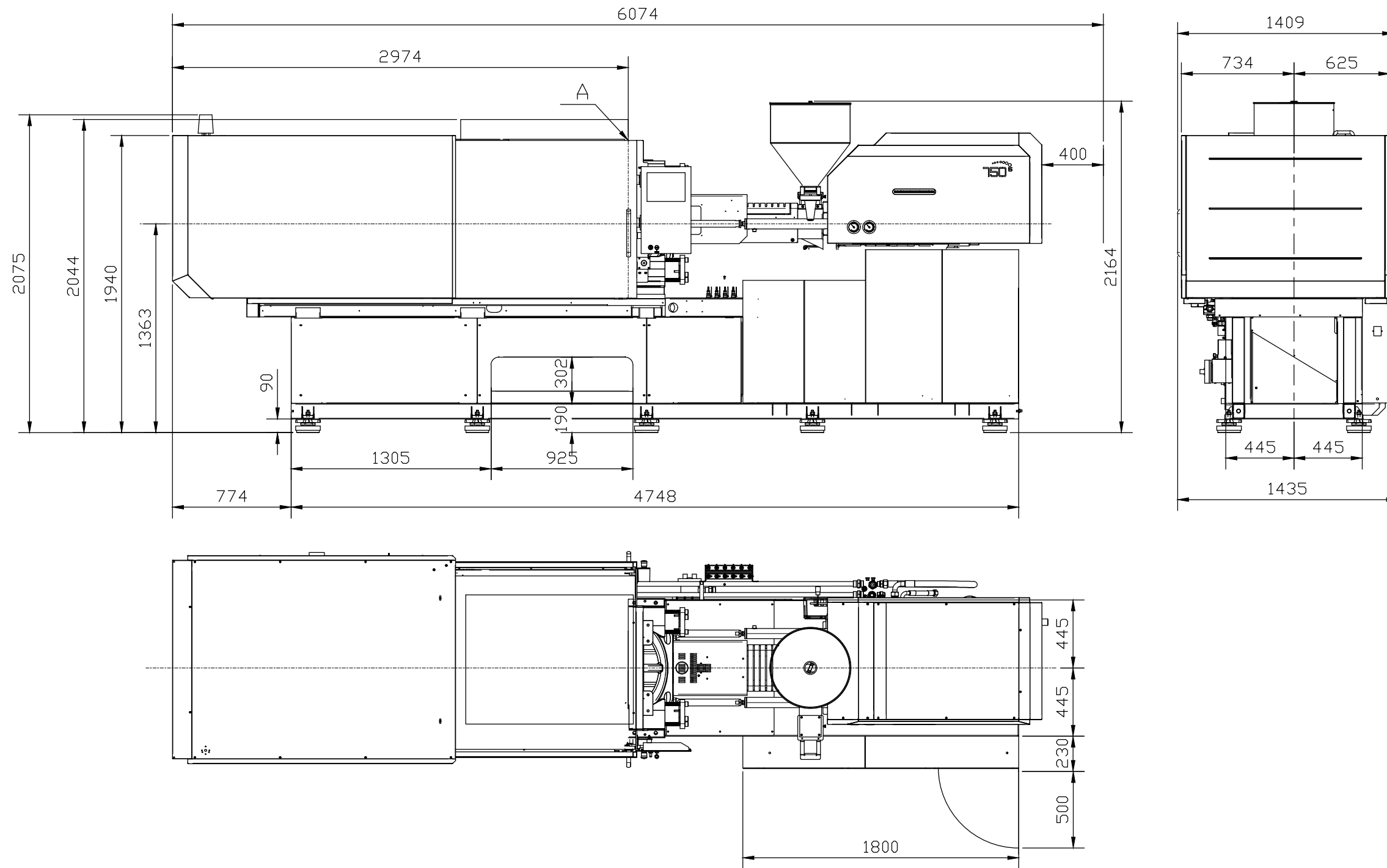
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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
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Title: MA V 2000 Layout Drawing

Machine Model: MA V 2000

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"

Revision

Date:

Drawing #: Layout

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

Part:

PLEASE READ:

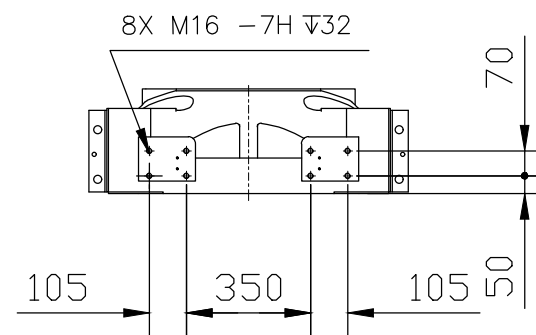
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Customer:

Customer Approval:

Authorized Signature

Notes:



 HAITIAN — ABSOLUTE Absolute Haitian Corporation 33 Southgate St. Worcester, MA T: +1 508-792-4305 www.absolutehaitian.com	Title: MA V 2000 Robot Mounting Drawing			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.		Notes:
	Machine Model: MA V 2000		Sheet: 1 of 1		Customer: Customer Approval: Authorized Signature	
	Machine Serial Number:		Drawn By: Harry	Date: 4/9/2024		
	Machine Tonnage:		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:	