

MA12000V-8400

MARS 5 Series: Toggle Clamp Servo-Hydraulic

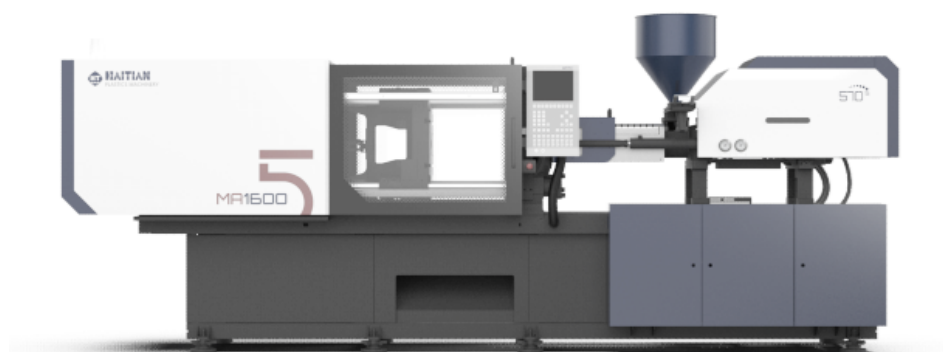


Clamping Unit		MA12000V/8400
Clamping Force	kN	12000
Mold Opening Stroke (Min/Max)	mm	1310
Minimum Mold Height	mm	550
Maximum Mold Height	mm	1250
Maximum Daylight	mm	2560
Distance Between Tie-Bars (HXV)	mm	1250x1250
Platen Dimensions (HXV)	mm	1790x1820
Ejector Stroke	mm	320
Ejector Force	kN	215

MA12000V-8400

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Injection Unit		8400		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	100	110	120
Screw L/D Ratio	L/D	24.2	22	20.2
Injection Volume (theoretical)	cm ³	4005	4846	5767
Injection Weight (PS)	g	3645	4410	5248
Injection Rate (PS)	g/s	771	933	1111
Injection Pressure	MPa	223	185	155
Plasticizing Rate (GPPS)	g/s	121	145	168
Screw Speed	rpm	155	155	155



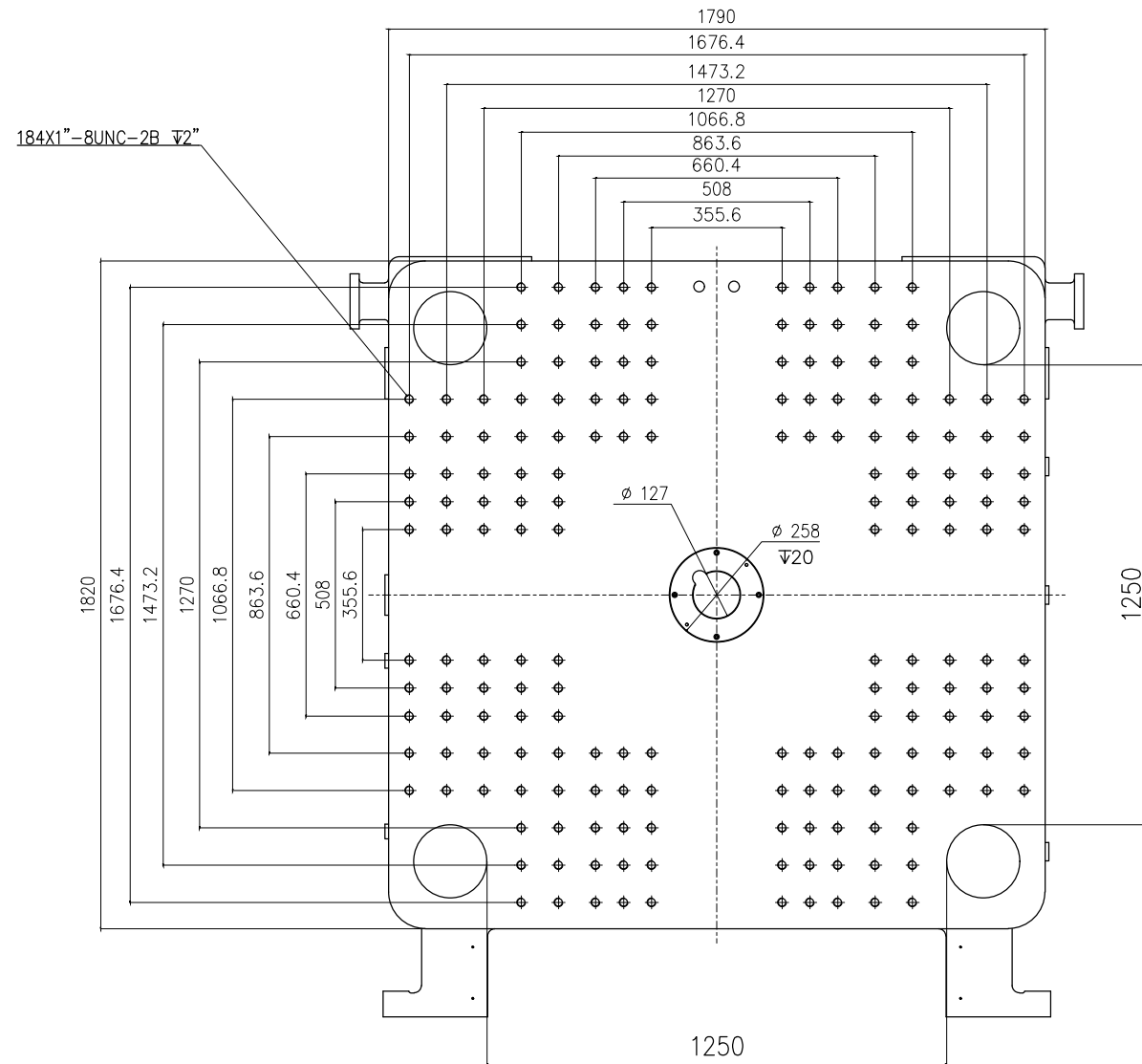
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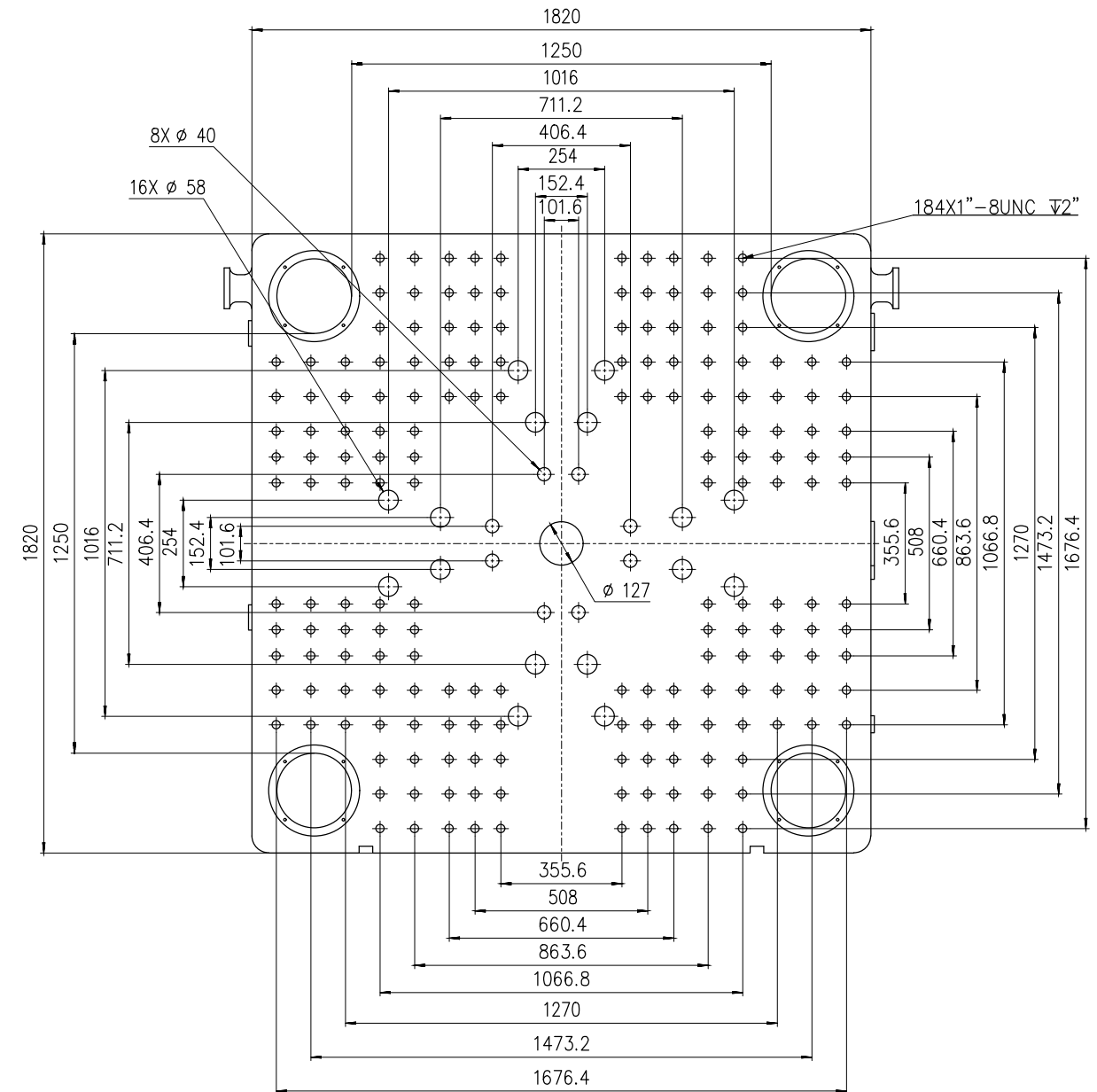
Other		
Pump Motor Power	kW	85+45
Heater Power	kW	82.8
Machine Dimension (LxWxH)	m	12.43x2.66x2.97
Machine Weight	t	58
Hopper Capacity	kg	100
Oil Tank	l	1000

***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 Cabletech Marketing 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 Cabletech Marketing service department for machine specific information.



Fixed Platen



Moving Platen



Title: MAV 12000 Fixed & Moving Platens Drawing

Machine Model: MAV 12000
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

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

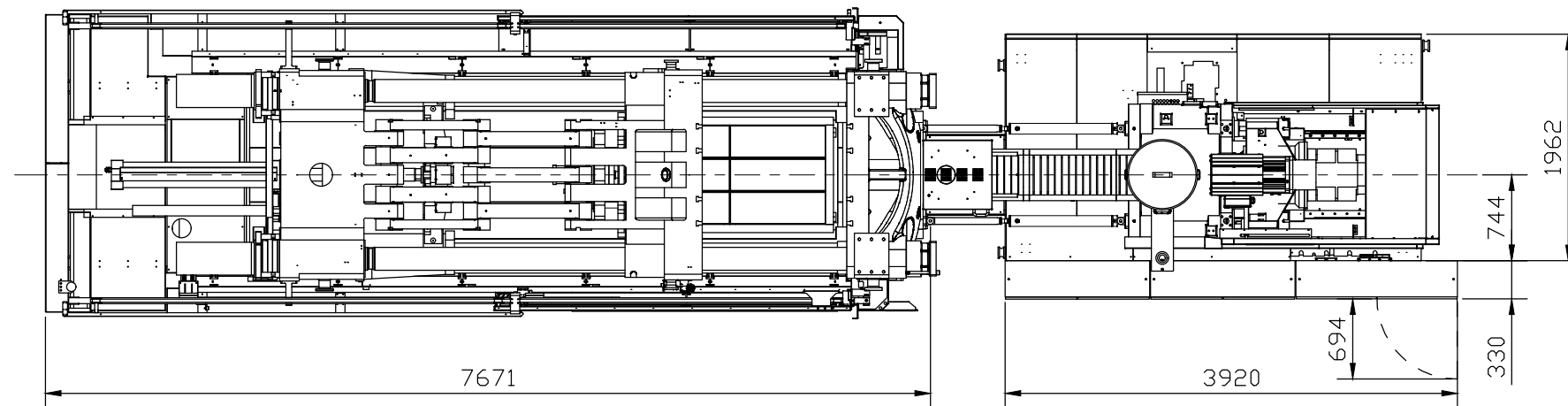
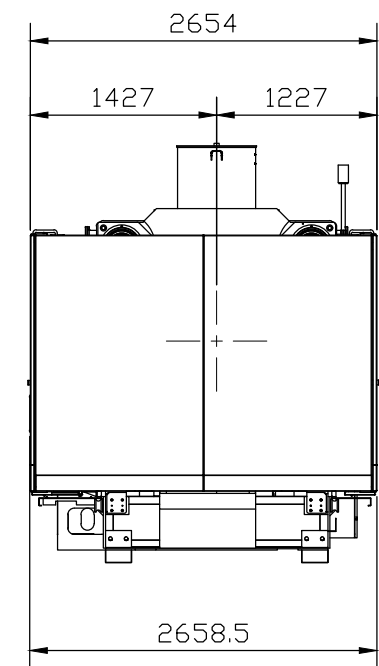
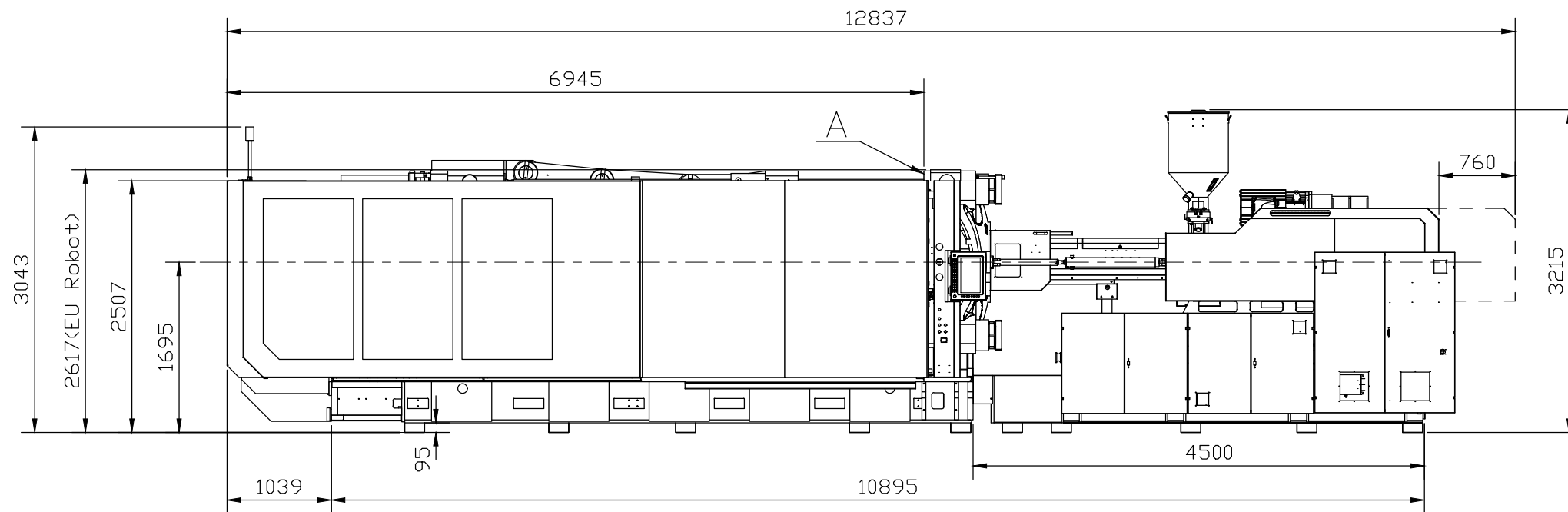
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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



Title: MA V 12000 Layout Drawing

Machine Model: MA V 12000

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"

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

Part:

PLEASE READ:

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