

MA18500V-15800

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA18500V/15800
Clamping Force	kN	18500
	US Tons	2079
Mold Opening Stroke (Min/Max)	mm	1650
	in.	64.96
Minimum Mold Height	mm	780
	in.	30.71
Maximum Mold Height	mm	1560
	in.	61.42
Maximum Daylight	mm	3210
	in.	126.38
Distance Between Tie-Bars (HXV)	mm	1650x1500
	in.	64.96x59.06
Platen Dimensions (HXV)	mm	2380x2280
	in.	93.7x89.76
Ejector Stroke	mm	400
	in.	15.75
Ejector Force	kN	430
	US Tons	48

Specification



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Injection Unit		15800		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	130	140	150
	in.	5.12	5.51	5.91
Screw L/D Ratio	L/D	24	22.3	20.8
Injection Volume (theoretical)	cm ³	8362	9698	11133
	cu.in.	510.28	591.81	679.38
Injection Weight (PS)	g	7610	8825	10131
	oz.	268.43	311.29	357.36
Injection Rate (PS)	g/s	1147	1330	1527
	oz./s	40.46	46.91	53.86
Injection Pressure	MPa	198	171	149
	psi	28717	24801	21611
Plasticizing Rate (GPPS)	g/s	168	192	220
	oz./s	5.93	6.77	7.76
Screw Speed	rpm	102	102	102



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Specifications subject to change without notice



Rev 2 8/22/2024

Specification



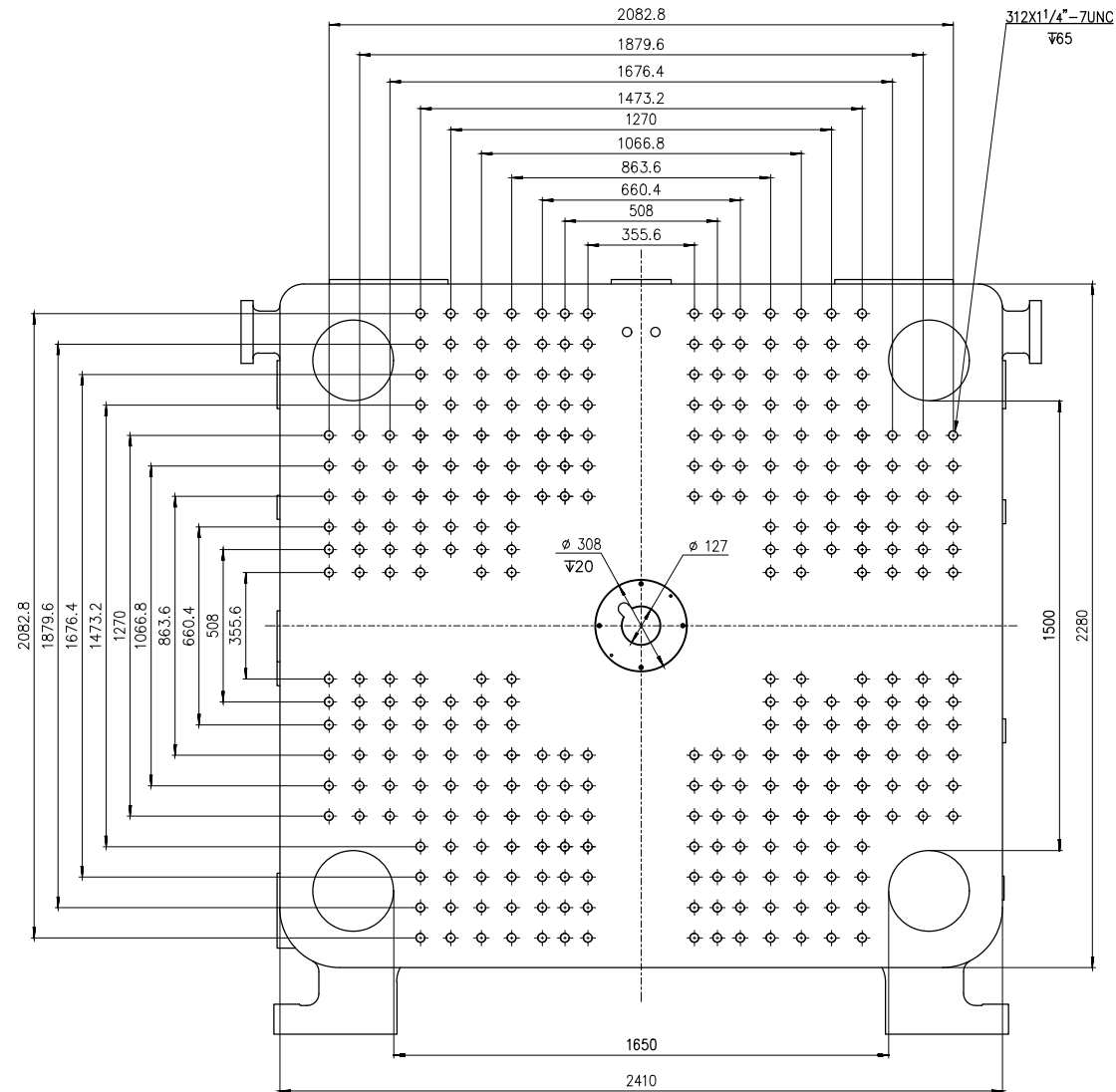
MA18500V-15800

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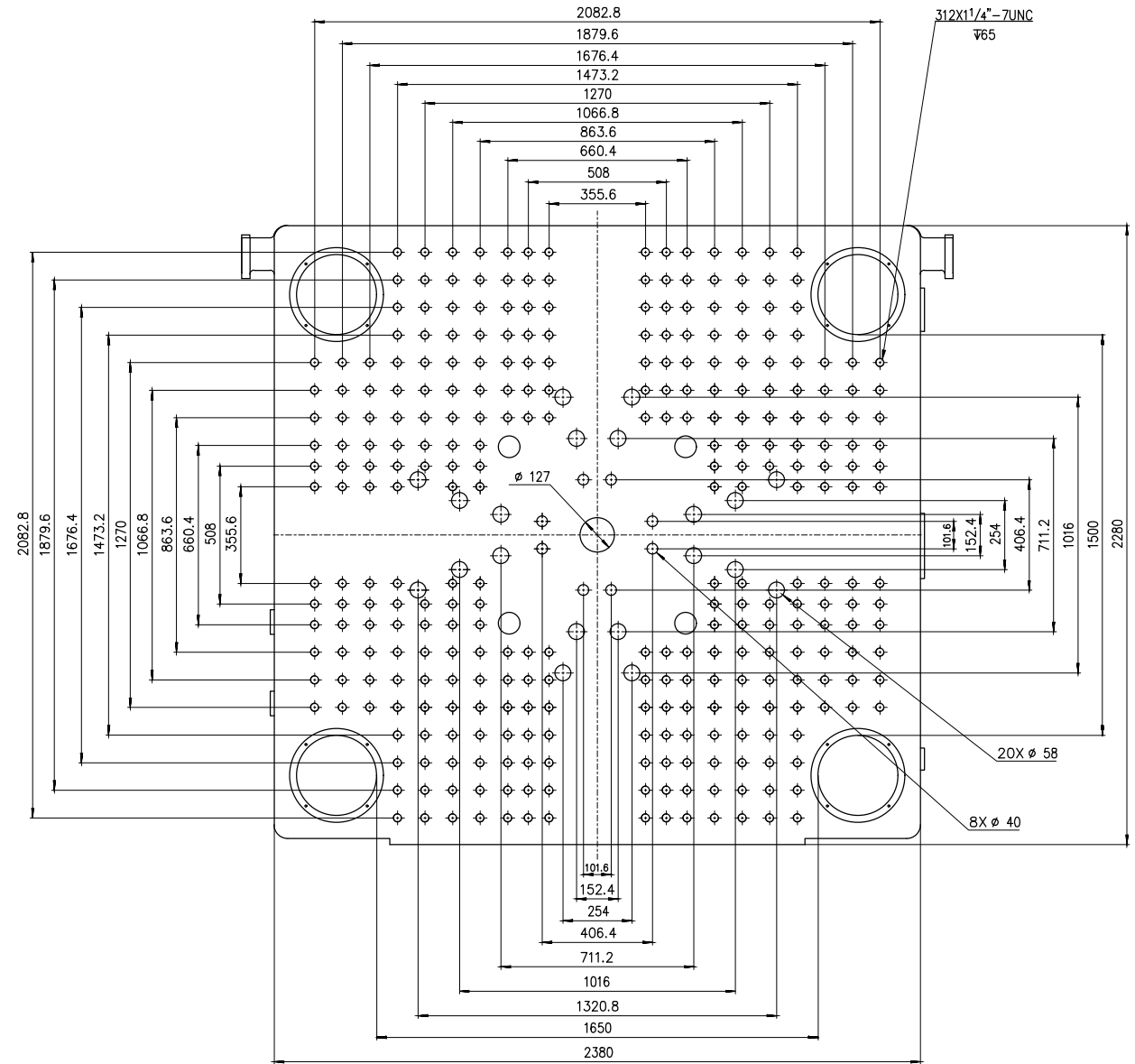
Other		
Pump Motor Power	kW	65+65+45
Heater Power	kW	122.5
Machine Dimension (LxWxH)	m	15.6x4.6x4.6
	in.	614x181x181
Machine Weight	t	130
	lbs.	286601
Hopper Capacity	kg	-
	lbs.	-
Oil Tank	l	1610
	gal	425

***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
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Title: MAV 18500 Fixed & Moving Platens Drawing

Machine Model: MAV 18500
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

NOT TO SCALE

Size: 11 X 17 "B"

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: