

Specification



MA16000V-15800

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA16000V/15800
Clamping Force	kN	16000
	US Tons	1798
Mold Opening Stroke (Min/Max)	mm	1600
	in.	62.99
Minimum Mold Height	mm	700
	in.	27.56
Maximum Mold Height	mm	1500
	in.	59.06
Maximum Daylight	mm	3100
	in.	122.05
Distance Between Tie-Bars (HXV)	mm	1550x1430
	in.	61.02x56.3
Platen Dimensions (HXV)	mm	2230x2120
	in.	87.8x83.46
Ejector Stroke	mm	400
	in.	15.75
Ejector Force	kN	318
	US Tons	36

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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



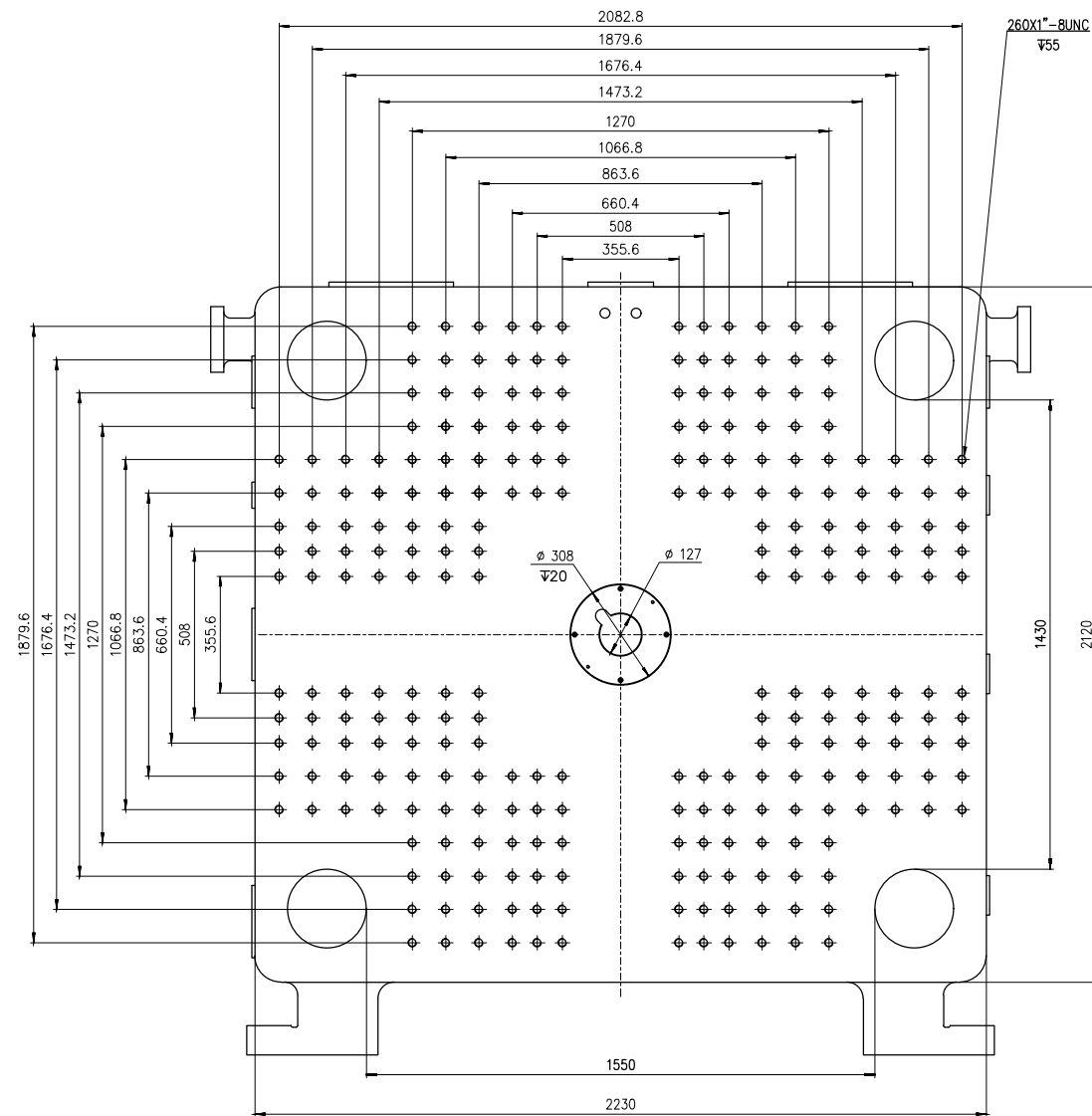
MA16000V-15800

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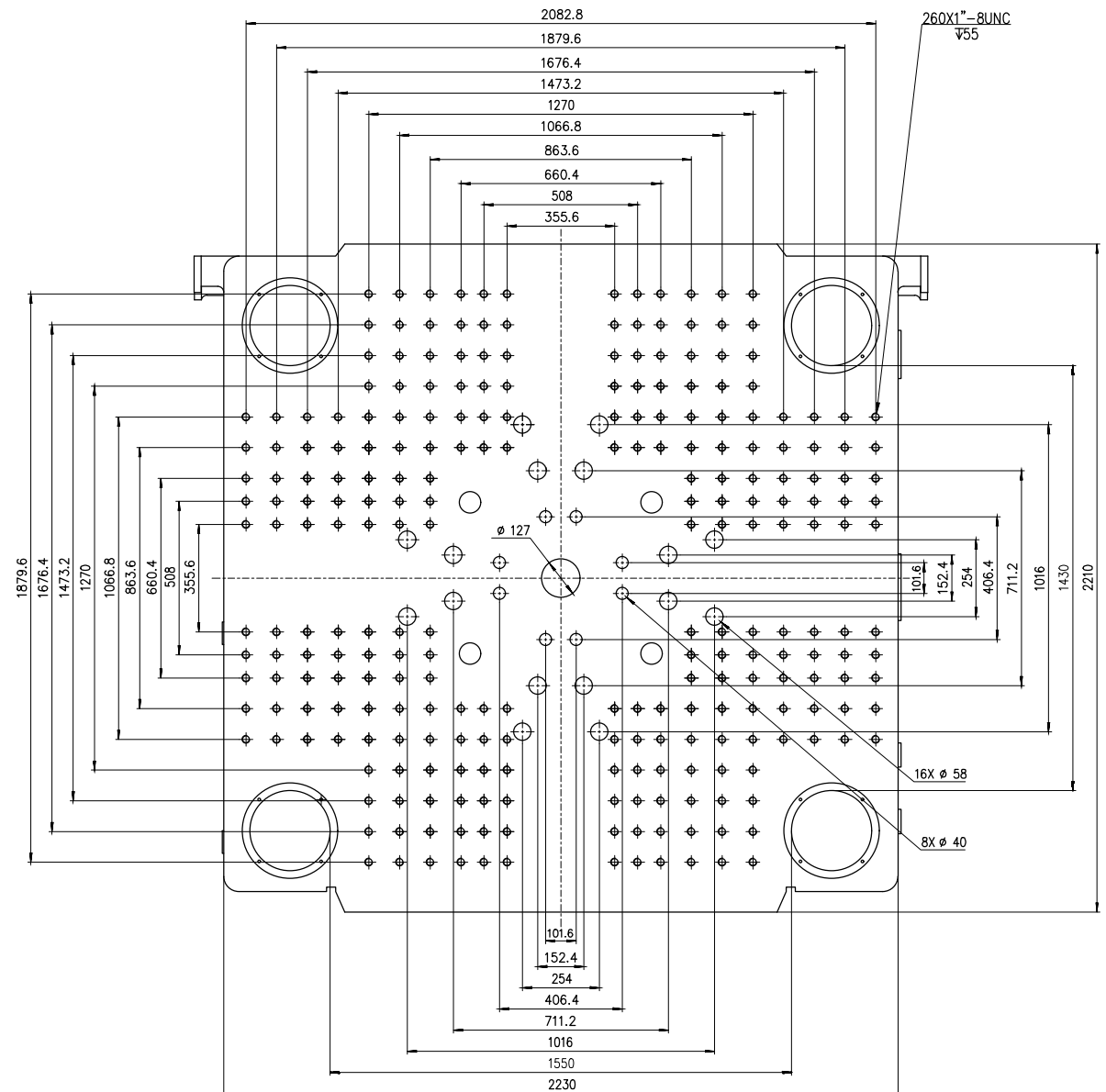
Other		
Pump Motor Power	kW	65+65+45
Heater Power	kW	122.5
Machine Dimension (LxWxH)	m	15.2x4.5x4.5
	in.	598x177x177
Machine Weight	t	107
	lbs.	235895
Hopper Capacity	kg	-
	lbs.	-
Oil Tank	l	1610
	gal	425

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

Title: MAV 16000 Fixed & Moving Platens Drawing

Machine Model: MAV 16000
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: