

# Specification



## ZE1900V-830

ZERES 5 Series: Electric with Integrated Hydraulics



Clamping Unit		ZE1900 V
Clamping Force	kN	1900
	US Tons	214
Mold Opening Stroke	mm	470
	in.	18.5
Minimum Mold Height	mm	200
	in.	7.87
Maximum Mold Height	mm	550
	in.	21.65
Maximum Daylight	mm	1020
	in.	40.16
Distance Between Tie-Bars (HXV)	mm	570x570
	in.	22.44x22.44
Platen Dimensions (HXV)	mm	800x800
	in.	31.5x31.5
Minimum Mold Size	mm	370x370
	in.	14.57x14.57
Ejector Stroke	mm	130
	in.	5.12
Ejector Force	kN	55
	US Tons	6

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## ZE1900V-830

ZERES 5 Series: Electric with Integrated Hydraulics

Injection Unit		830		
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
Injection Volume (Theoretical)	cm <sup>3</sup>	333	412	498
	cu.in.	20.32	25.14	30.39
Injection Weight (PS)	g	304	375	454
	oz.	10.72	13.23	16.01
Injection Pressure	MPa	247	200	165
	psi	35824	29008	23931
Holding Pressure	MPa	197	160	132
	psi	28572	23206	19145
Screw Speed	rpm	320	320	320
Plasticizing Rate (GPPS)	g/s	35	46	60
	oz./s	1.23	1.62	2.12
Nozzle Contact Force	kN	85	85	85
	US Tons	10	10	10
Injection Unit		830		
Injection Speed	mm/s	160		
	in./s	6.3		
Injection Rate (PS)	g/s	222	274	332
	oz./s	7.83	9.67	11.71
Injection Unit		830h		
Injection Speed	mm/s	250		
	in./s	9.84		
Injection Rate (PS)	g/s	347	428	518
	oz./s	12.24	15.10	18.27
Injection Unit		830hs		
Injection Speed	mm/s	350		
	in./s	13.78		
Injection Rate (PS)	g/s	486	600	726
	oz./s	17.14	21.16	25.61



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## ZE1900V-830

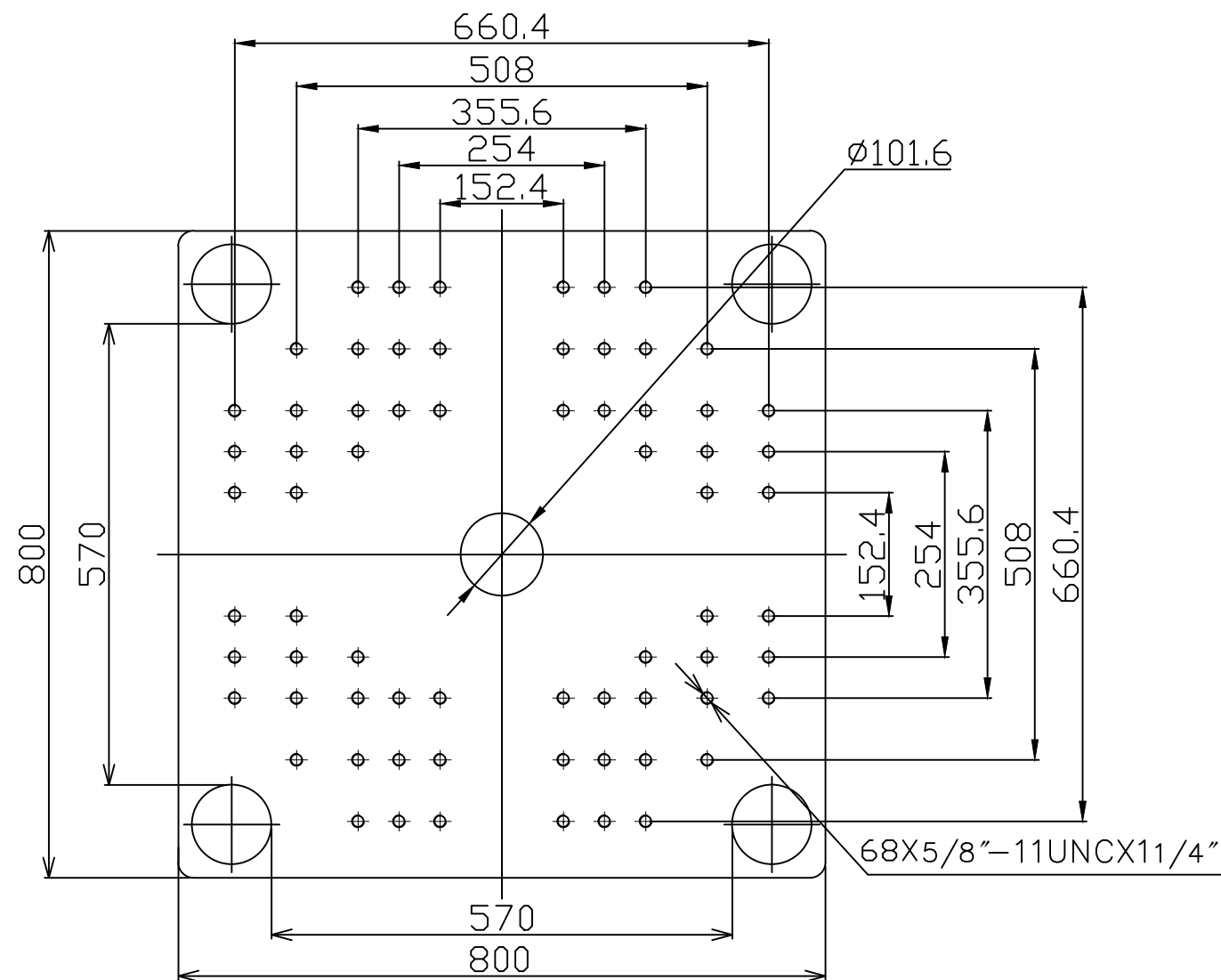
ZERES 5 Series: Electric with Integrated Hydraulics

Other		
Connection Power	kW/A	830:34/58 830h:38/65 830hs:58/98
Heating Power	kW	20.2
Machine Dimension	m in.	6.30x1.52x2.29 248x60x90
Machine Weight	t lbs.	8.5 18739
Hopper Capacity	l gal	50 13
Oil Pressure	MPa psi	17.5 2538
Oil Flow	l/min gal/min	79 21
Oil Tank	l gal	107 28

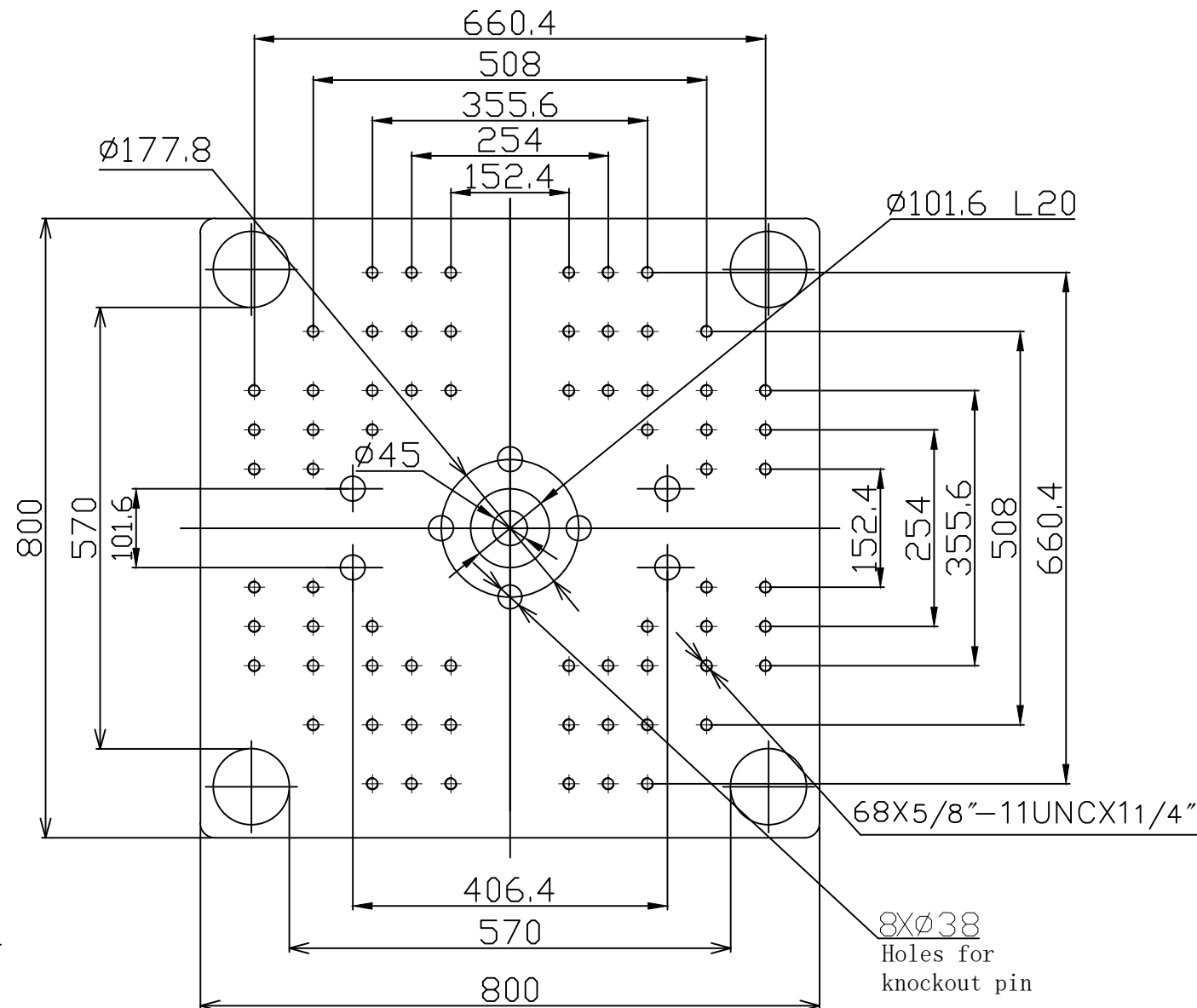
**\*NOTE:**

1. 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.
2. 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: ZE/VEV 1900 Fixed & Moving Platens Drawing

Machine Model: ZE/VEV 1900  
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:

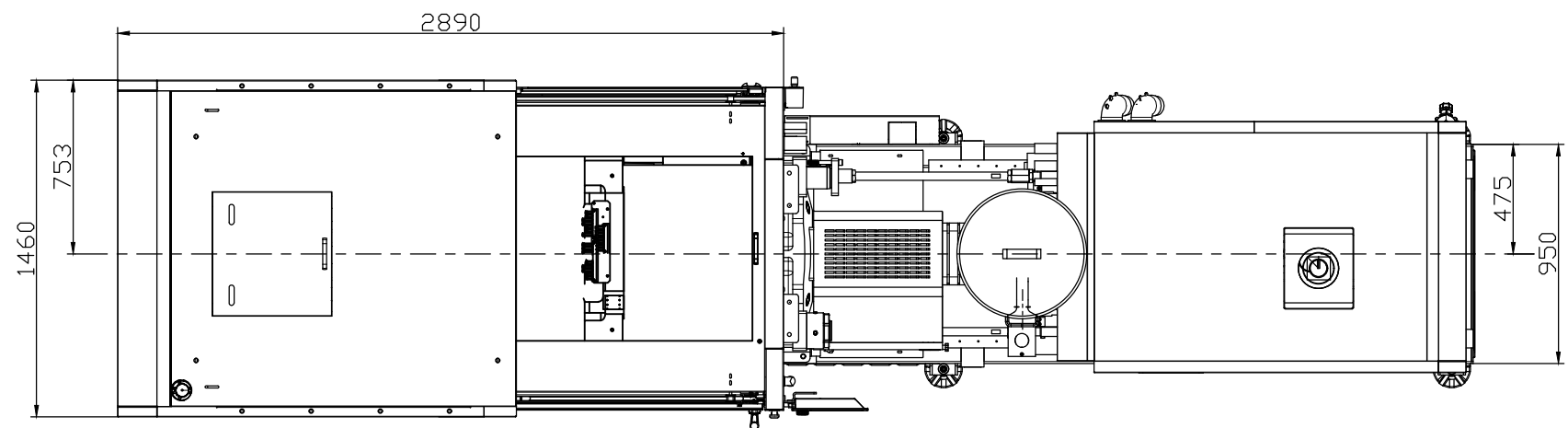
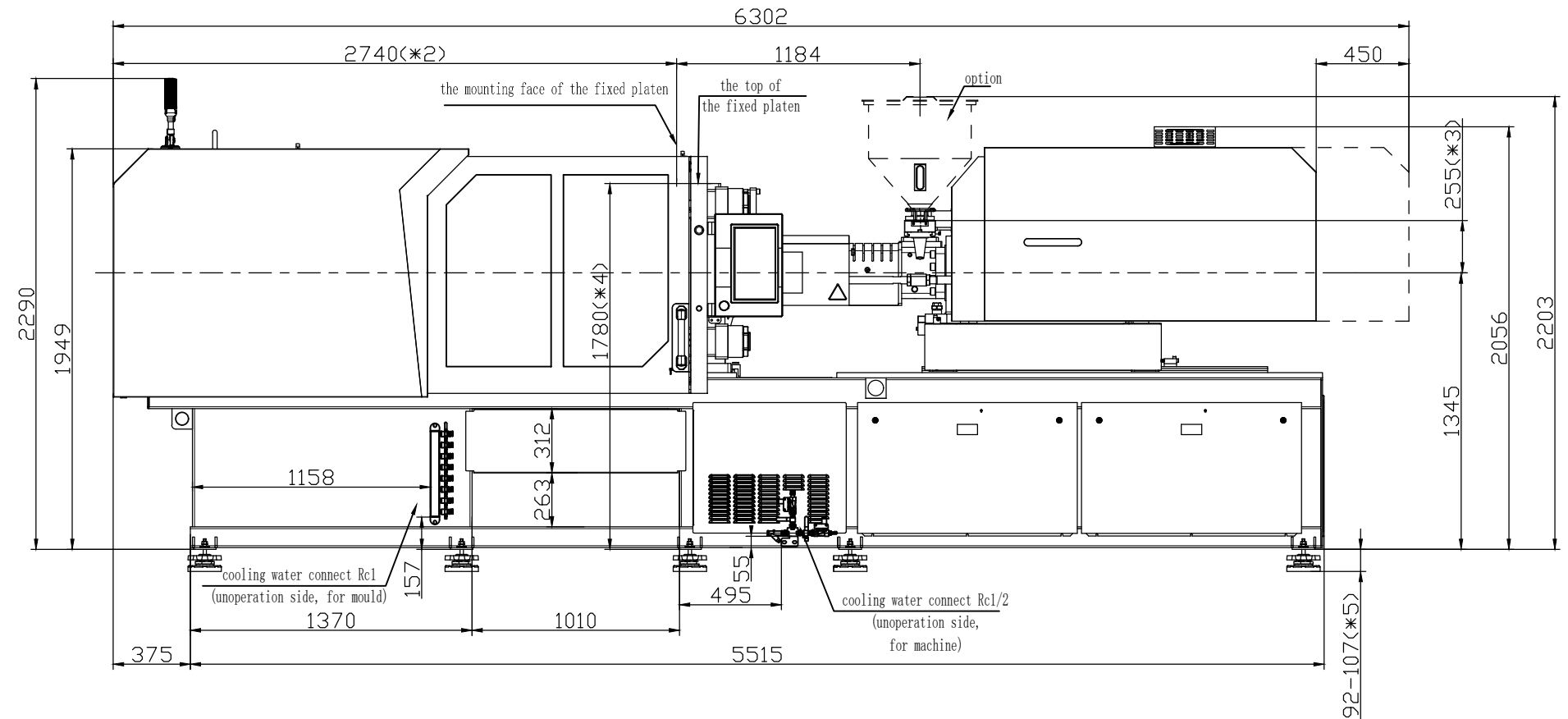
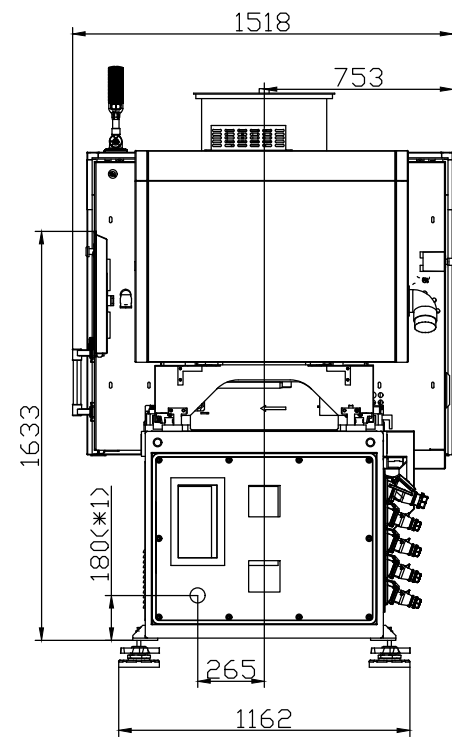
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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



- \*1 Power in  
Current and Power Cable are shown  
in the Main Power Supply Circuit
- \*2 To the mounting face of the  
fixed platen
- \*3 To the face of Hopper fixing platform
- \*4 To the top of the fixed platen
- \*5 Vibration dumping support



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

Title: ZE V 1900-830 Layout Drawing

Machine Model: ZE V 1900-830  
Machine Serial Number:  
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry Date: 3/22/2024  
Chkd By: LEON XIE Date: 3/22/2024

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:

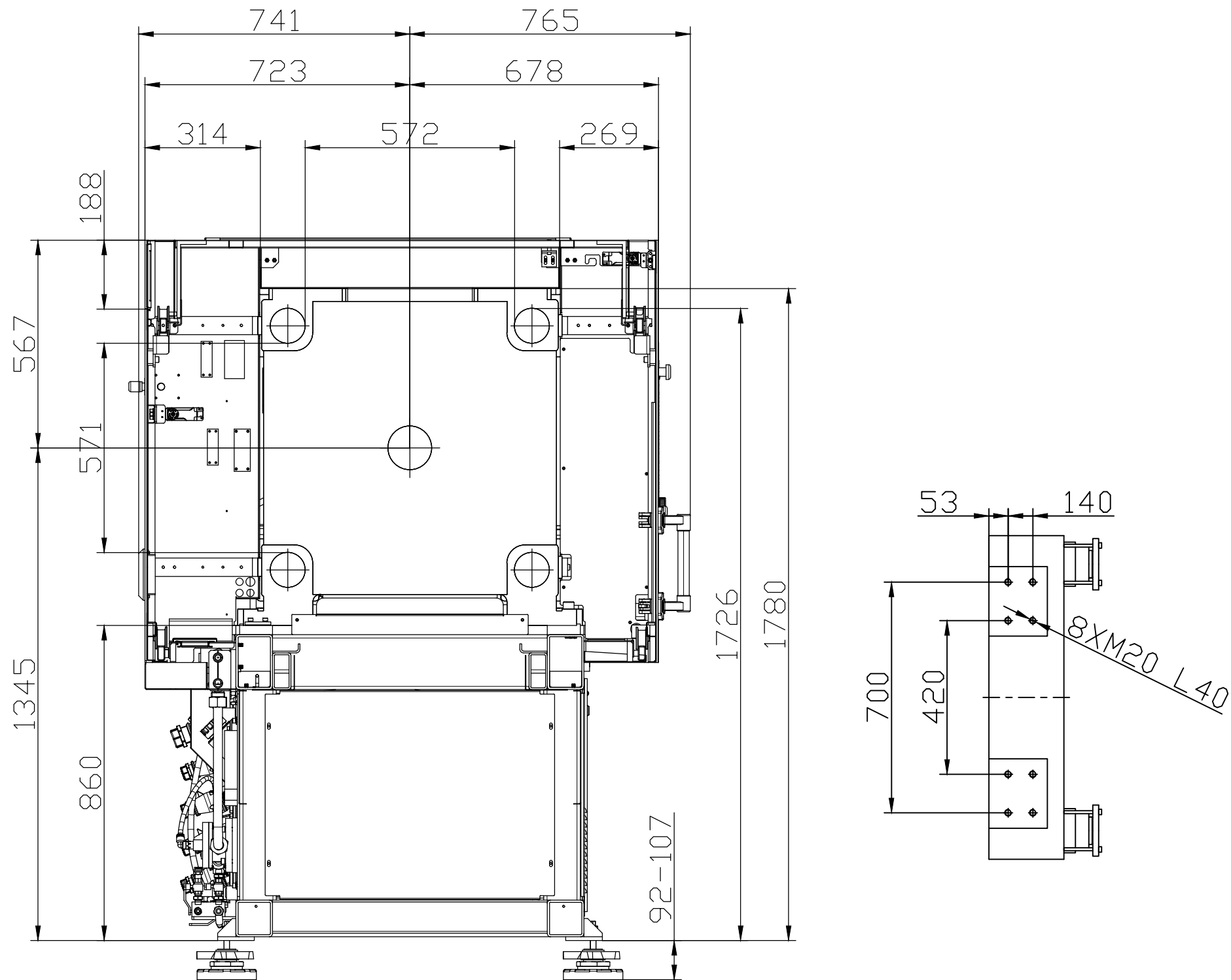
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Customer:

Customer Approval:  
Authorized Signature

Notes:



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

Title: ZE V 1900 Robot Mounting Drawing

Machine Model: ZE V 1900  
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:

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Customer Approval:

Authorized Signature

Notes: