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NOTES:

1. MATERIALS OF CONSTRUCTION

1. VESSEL AND PIPING: CARBON STEEL AND CAST IRON

2. JACKET: STAINLESS STEEL AND PAINTED STEEL

2. PRESSURE VESSEL BUILT IN ACCORDANCE WITH ASME SECTION IV AND CARRIES AN "H" STAMP

3. MAXIMUM ALLOWABLE WORKING PRESSURE UP TO 150PSI

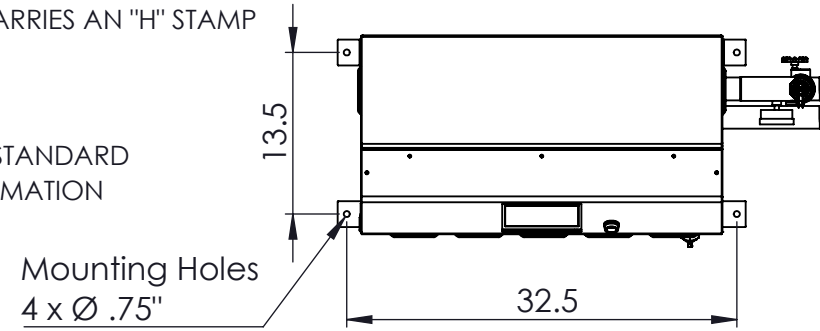
4. BOILER IS UL LISTED TO STANDARD 834

5. FOR EWx30- EWx120 ALL VOLTAGES

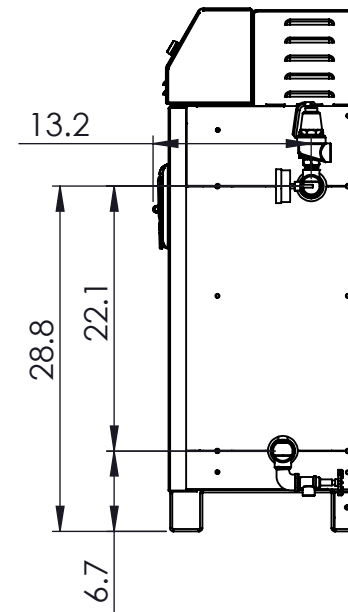
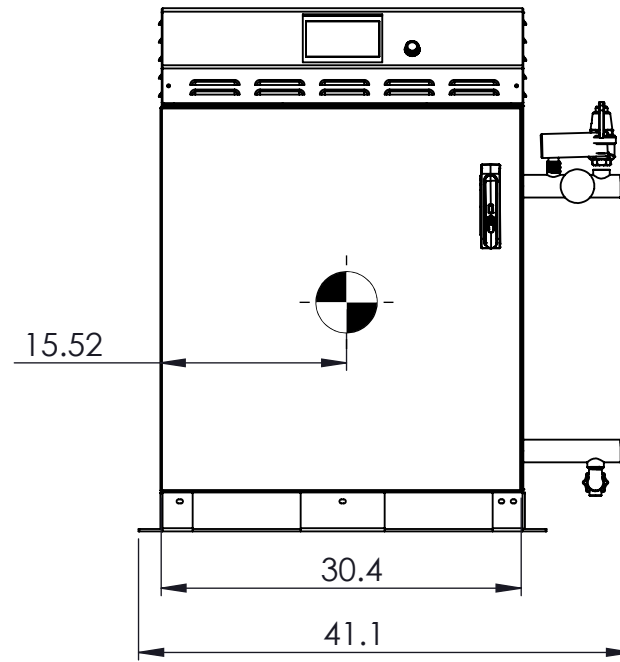
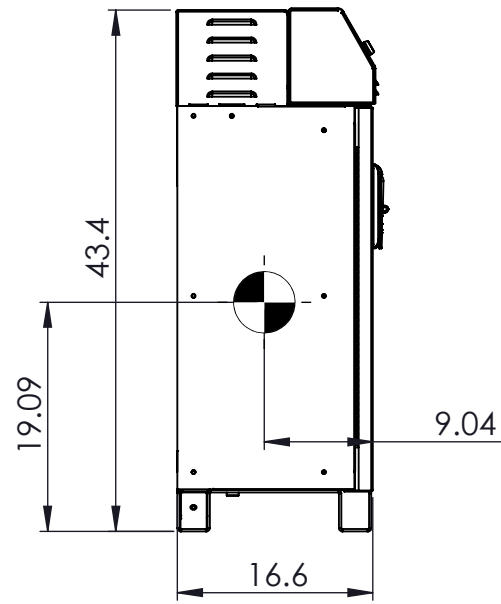
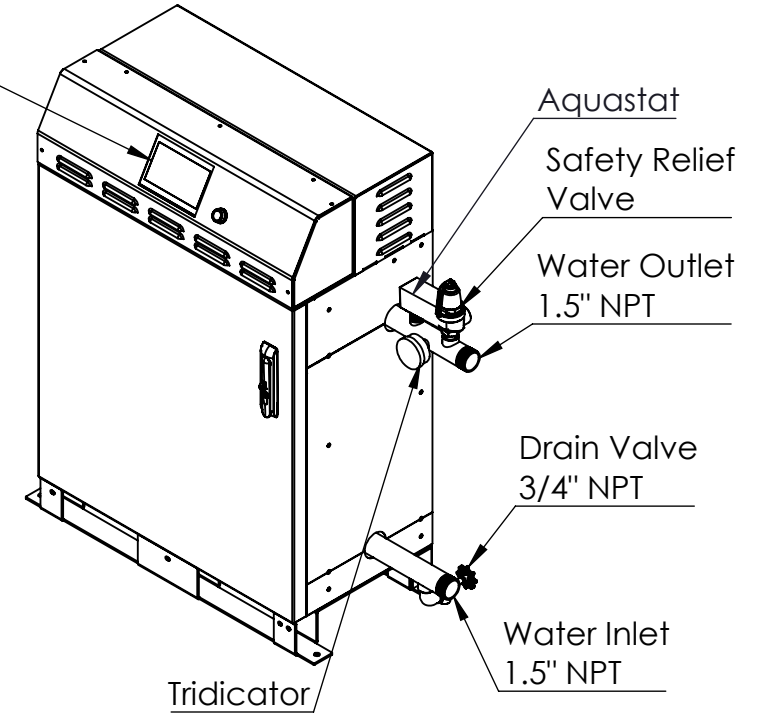
6. BACNET IP AND MSTP, MODBUS RS485, AND 4-20 mA REMOTE SET POINT STANDARD

7. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR MORE INFORMATION

Center of Gravity (in)		
Length	Width	Height
15.52	9.04	19.09



Operating Controller



DIMENSIONS ARE SHOWN IN INCHES (CENTIMETERS)
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED

X.XX	X.XXX	X.XXXX	ANGULAR	FINISH
±.12	±.031	±.0156	±1.0°	250

REMOVE AND DEBURR SHARP EDGES AND CORNERS
ALL DIMENSIONS ARE AFTER FINISH OR PLATING
REFERENCE DIMENSIONS ARE SHOWN IN PARENTHESES ()
CRITICAL DIMENSIONS ARE SHOWN IN

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439 MAIN RD. TOWACO NJ 07082
PHONE: (800) 221-1522 FAX: (718) 386-7809

TITLE EWx30-EWx120 ELECTRIC WATER BOILERS

THIRD ANGLE PROJECTION 	DWG. SCALE 1:16	MATERIAL SPEC:	NAME JH	DATE 5/4/2026	DWG# EWx30-EWx120	REV B
			CHECKED BY		SHEET 1 OF 2	

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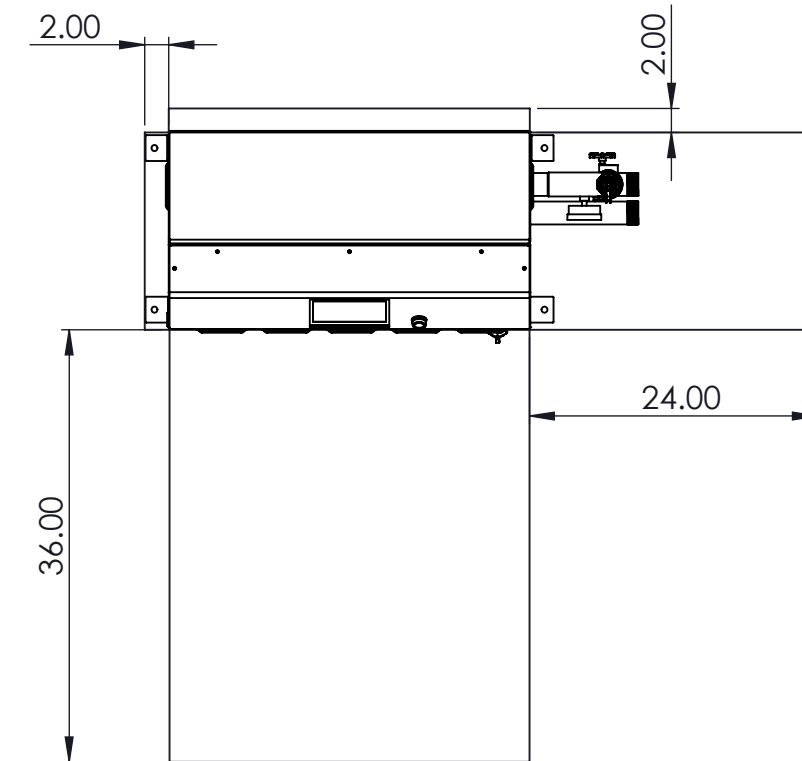
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NOTES:

- SERVICE CLEARANCES TO BE IN CONFORMANCE TO NEC REQUIREMENTS. ALLOW A MINIMUM OF 36" CLEARANCE IN FRONT OF DOORS FOR SERVICING OF HEATING ELEMENTS. RECOMMENDED 24" CLEARANCE FOR OTHER SIDES OF BOILER FOR SERVICING.
- MINIMUM 2" CLEARANCE TO ALL COMBUSTIBLE MATERIALS
- MINIMUM 30" CLEARANCE ON TOP TO COMBUSTIBLE MATERIALS

Service Clearance Requirements

Boiler	kW	Elements	Voltage	Amp Draw	MBH	Min Flow (GPM)	Max Flow (GPM)
EWx30	30	1x 30kW	208	83(3P)/144(1P)	102.4	4	41
			240	72(3P)/125 (1P)			
			480	36			
EWx45	45	1x 30kW	208	125	153.5	4	41
			240	108			
		1x 15kW	480	54			
EWx60	60	2x 30kW	208	167	204.7	4	41
			240	144			
			480	72			
EWx75	75	2x 30kW	208	208	255.9	4	41
			240	181			
		1x 15kW	480	90			
EWx90	90	3x 30kW	208	250	307.1	4	41
			240	217			
			480	108			
EWx105	105	3x 30kW	208	292	358.3	4	41
			240	253			
		1x 15kW	480	126			
EWx120	120	4x 30kW	208	333	409.4	4	41
			240	289			
			480	145			
			600	116			



Boiler	Dry Weight (LBS)*	Wet Weight (LBS)*	Total Volume (Gal)	Boiler Headers Size (NPT)	Drain Size (NPT)	Safety Valve Outlet Size (NPT)
EWx30	425	473				
EWx45	440	485				
EWx60	440	485				1.25" (50,60,75 PSI)
EWx75	455	496	9.3	1.5"	0.75"	1" (100 PSI)
EWx90	455	496				0.75" (125,150 PSI)
EWx105	470	508				
EWx120	470	508				

* WEIGHTS ARE FOR 480V, 600V MODELS. CONTACT FACTORY FOR 208V, 240V MODELS

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X.XX X.XXX X.XXXX ANGULAR FINISH
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THIRD ANGLE PROJECTION



DWG. SCALE

1:16

MATERIAL SPEC:



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