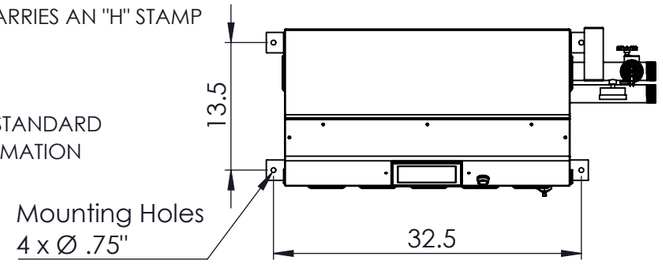
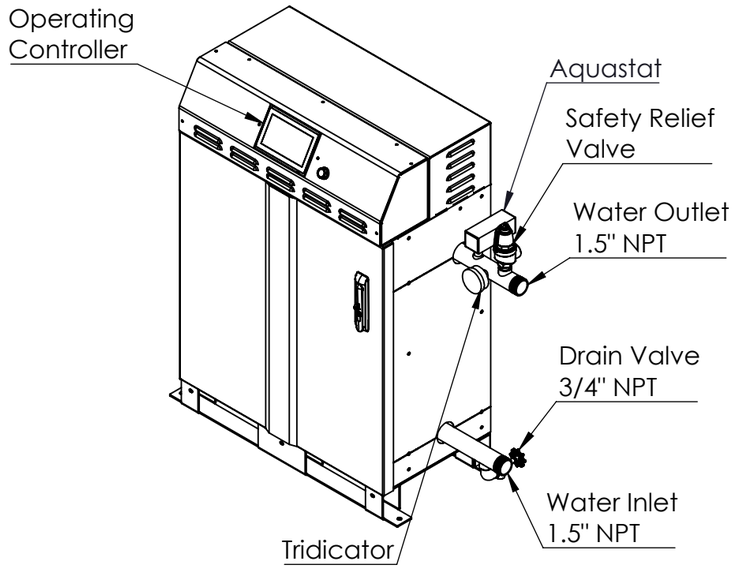
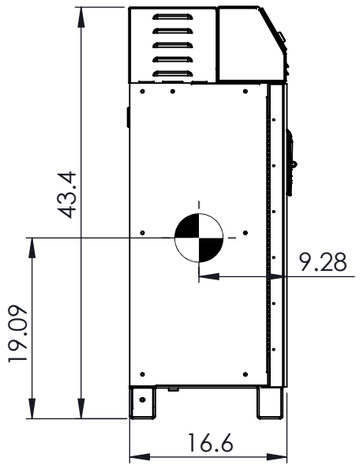
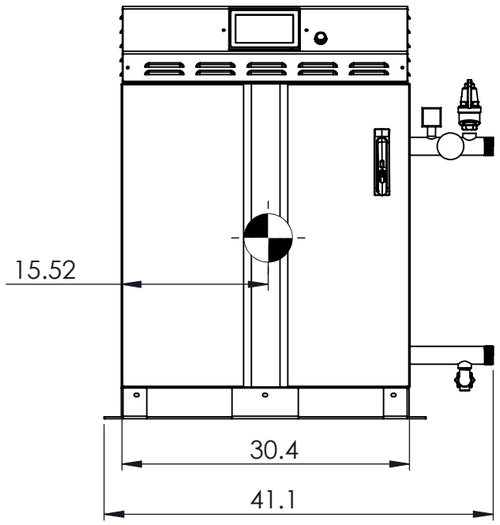
NOTES:
1. MATERIALS OF CONSTRUCTION
    1. VESSEL AND PIPING: CARBON STEEL AND CAST IRON
    2. JACKET: STAINLESS STEEL AND PAINTED STEEL
2. PRESSURE VESSEL BUILT IN ACCORDANCE WITH ASME SECTION IV AND CARRIES AN "H" STAMP
3. MAXIMUM ALLOWABLE WORKING PRESSURE UP TO 160PSI
4. BOILER IS UL LISTED TO STANDARD 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

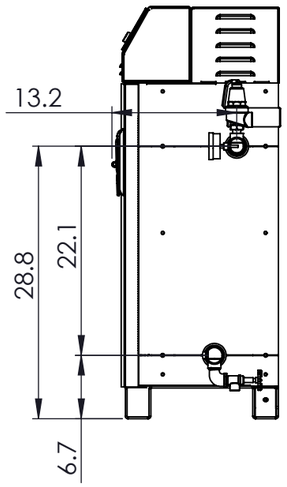
Center of Gravity (in)		
Length	Width	Height
15.52	9.28	19.11











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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THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:
	1:16	

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

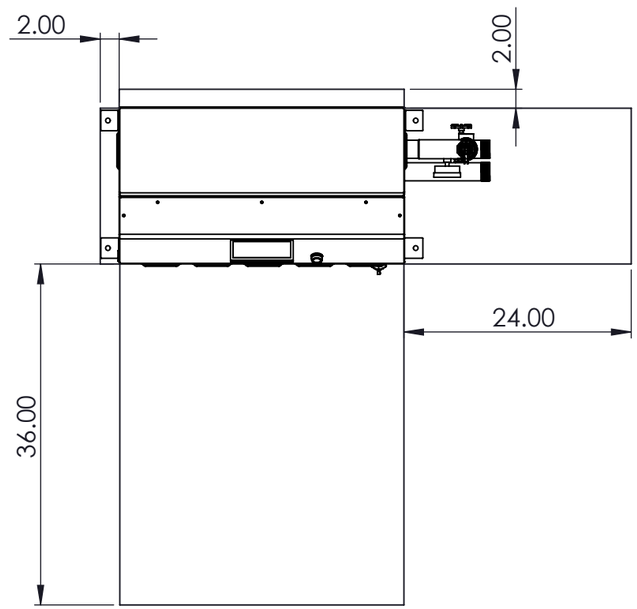
TITLE: EWx30-EWx120 ELECTRIC WATER BOILERS

	NAME	DATE	DWG#	REV
DRAWN BY	JH	5/4/2026	EWx30-EWx120	B
CHECKED BY			SHEET 1 OF 2	

Service Clearance Requirements

NOTES:
1. 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.
2. MINIMUM 2" CLEARANCE TO ALL COMBUSTIBLE MATERIALS
3. MINIUMUM 30" CLEARANCE ON TOP TO COMBUSTIBLE MATERIALS

Boiler	kW	Elements	Voltage	Amp Draw	MBH	Min Flow (GPM)	Max Flow (GPM)
			208	83(3P)/144(1P)			
EWx30	30	1x 30kW	240	72(3P)/125 (1P)	102.4	4	41
			480	36			
			600	29			
			208	125			
EWx45	45	1x 30kW	240	108	153.5	4	41
		1x 15kW	480	54			
			600	43			
			208	167			
EWx60	60	2x 30kW	240	144	204.7	4	41
			480	72			
			600	58			
			208	208			
EWx75	75	2x 30kW	240	181	255.9	4	41
		1x 15kW	480	90			
			600	72			
			208	250			
EWx90	90	3x 30kW	240	217	307.1	4	41
			480	108			
			600	87			
			208	292			
EWx105	105	3x 30kW	240	253	358.3	4	41
		1x 15kW	480	126			
			600	101			
			208	333			
EWx120	120	4x 30kW	240	289	409.4	4	41
			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

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 ( )
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THIRD ANGLE PROJECTION | DWG. SCALE: 1:16 | MATERIAL SPEC:

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TITLE: EWx30-EWx120 ELECTRIC WATER BOILERS

	NAME	DATE	DWG#	REV
DRAWN BY	JH	5/4/2026	EWx30-EWx120	B
CHECKED BY			SHEET 2 OF 2	