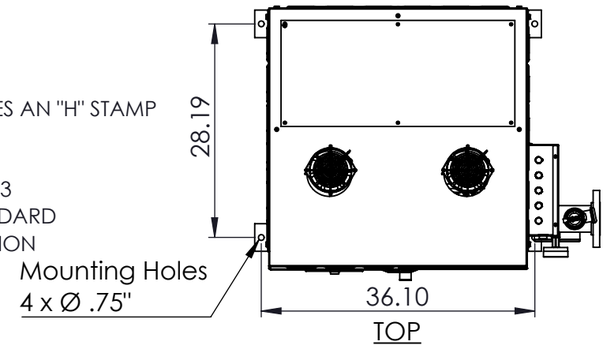
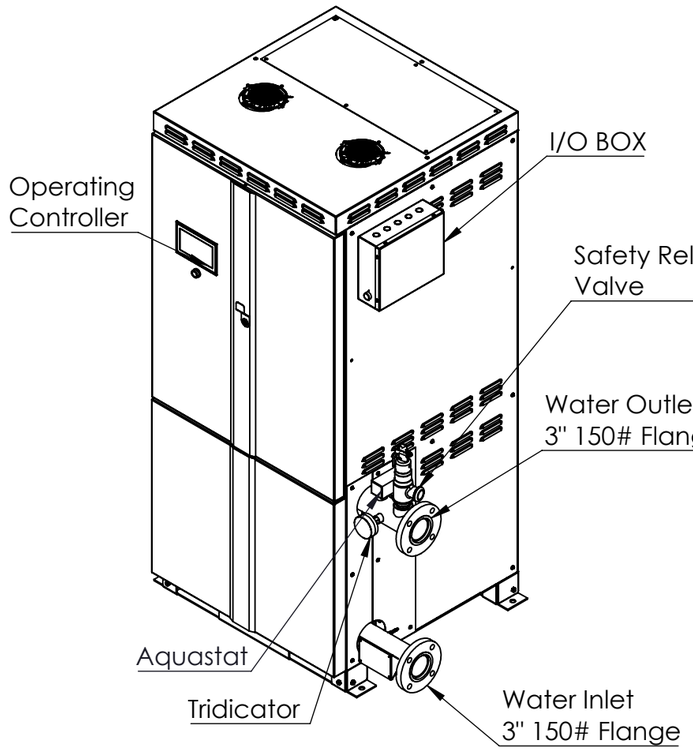
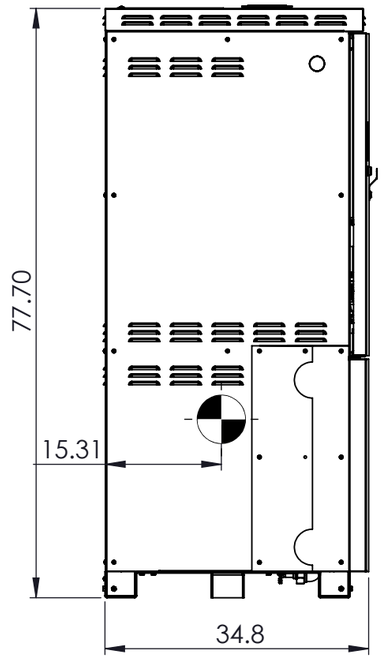
NOTES:
1. MATERIALS OF CONSTRUCTION
    1. VESSEL AND PIPING: CARBON STEEL AND CAST IRON
    2. JACKET: STAINLESS STEEL AND PAINTED STEEL
2. PRESSURE VESSEL BUILT IN ACCORDANCE WITH ASME SECTION IV AND CARRIES AN "H" STAMP
3. MAXIMUM ALLOWABLE WORKING PRESSURE UP TO 160PSI
4. BOILER IS UL LISTED TO STANDARD 834
5. FOR EWx270- EWx600 ALL VOLTAGES EXCEPT EWx510-EWx600 208V/3 & 240V/3
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

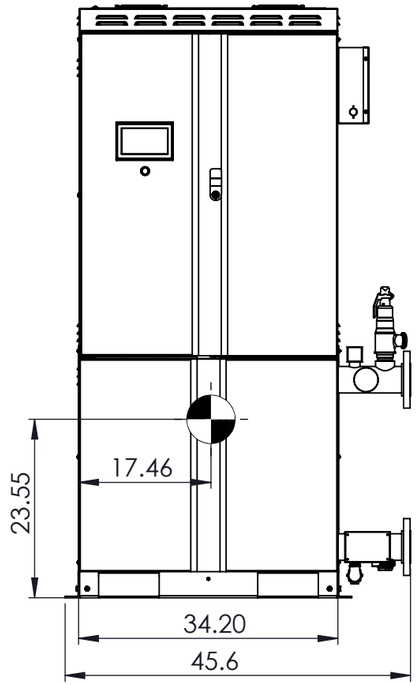


TOP

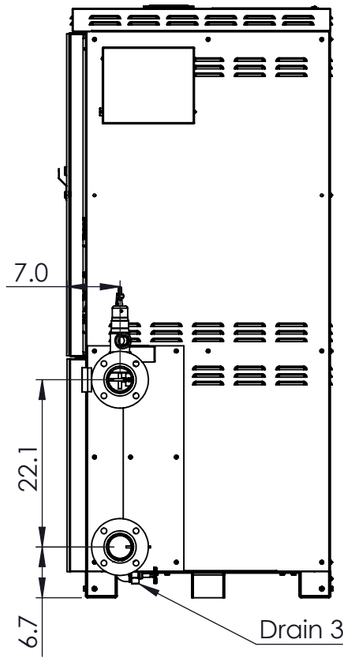




LEFT



FRONT



RIGHT

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 ⬭

THIS DRAWING AND/OR SPECIFICATIONS ARE THE PROPERTY OF DIVERSIFIED HEAT TRANSFER INC. THIS CONFIDENTIAL AND PROPRIETARY INFORMATION SHALL NOT BE USED, COPIED OR REPRODUCED IN ANY MEANS AS THE BASIS FOR MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN AUTHORIZATION FROM OWNER.

THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:
	1:20	

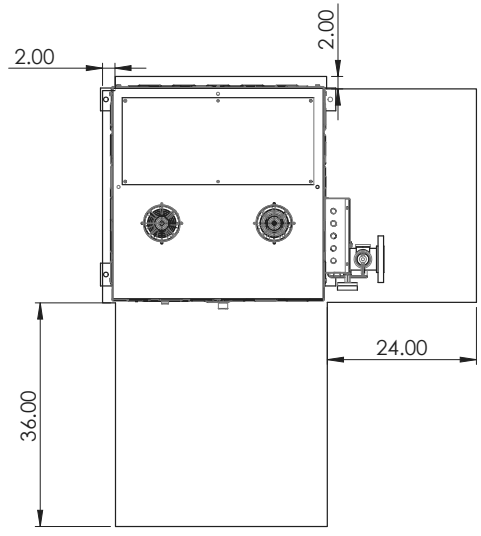
SUSSMAN ELECTRIC BOILERS
439 MAIN RD. TOWACO NJ 07082
PHONE: (800) 221-1522 FAX: (718) 386-7809

TITLE: EWx270-EWx600 ELECTRIC WATER BOILERS
* EXCLUDES EWx510-EWx600 208V, 240V

	NAME	DATE	DWG#	REV
DRAWN BY	JH	5/4/2026	EWx270-EWx600	B
CHECKED BY			SHEET 1 OF 5	

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 1" CLEARANCE TO ALL COMBUSTIBLE MATERIALS
3. BOILER WEIGHTS, FLOW RATES AND OTHER INFORMATION ON PAGE 3

Service Clearance Requirements



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 ⬭

THIS DRAWING AND/OR SPECIFICATIONS ARE THE PROPERTY OF DIVERSIFIED HEAT TRANSFER INC. THIS CONFIDENTIAL AND PROPRIETARY INFORMATION SHALL NOT BE USED, COPIED OR REPRODUCED IN ANY MEANS AS THE BASIS FOR MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN AUTHORIZATION FROM OWNER.

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

TITLE: EWx270-EWx600 ELECTRIC WATER BOILERS
* EXCLUDES EWx510-EWx600 208V, 240V

THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:		NAME	DATE	DWG#	REV
	1:20		DRAWN BY	JH	10/23/24	EWx270-EWx600	B
			CHECKED BY			SHEET 2 OF 5	

Notes
1. See Page 5 for EWx510-EWx600 208V/3 & 240V/3 Amp Draw
2. Boiler Weights are 480V Model. Contact factory for other voltage weights

Boiler	kW	Elements	Voltage	Amp Draw	MBH	Min Flow (GPM)	Max Flow (GPM)
			208	751			
EWx270	270	9 x 30kW	240	651	921.2	12	123
			480	326			
			600	261			
			208	834			
EWx300	300	10x 30kW	240	723	1024	12	123
			480	362			
			600	290			
			208	918			
EWx330	330	11x 30kW	240	795	1126	12	123
			480	398			
			600	318			
			208	1001			
EWx360	360	12x 30kW	240	868	1228	12	123
			480	434			
			600	347			
			208	1084			
EWx390	390	13x 30kW	240	940	1331	16	164
			480	470			
			600	376			
			208	1168			
EWx420	420	14x 30kW	240	1012	1433	16	164
			480	506			
			600	405			
			208	1251			
EWx450	450	15x 30kW	240	1084	1535	16	164
			480	542			
			600	434			
			208	1334			
EWx480	480	16x 30kW	240	1157	1638	16	164
			480	579			
			600	463			
EWx510	510	17x 30kW	480	615	1740	20	205
			600	492			
EWx540	540	18x 30kW	480	651	1842	20	205
			600	521			
EWx570	570	19x 30kW	480	687	1945	20	205
			600	550			
EWx600	600	20x 30kW	480	723	2047	20	205
			600	579			

Boiler	Dry Weight (LBS)	Wet Weight (LBS)	Total Volume (Gal)	Boiler Headers Size (150# Flange)	Drain Size (NPT)	Safety Valve Outlet Size (NPT)
EWx270	1389	1568				
EWx300	1404	1583	20.5			
EWx330	1419	1598				
EWx360	1434	1613				
EWx390	1687	1913				1.25" (50,60,75 PSI)
EWx420	1702	1928	26.1	3"	0.75"	1" (100 PSI)
EWx450	1717	1943				0.75" (125,150 PSI)
EWx480	1737	1963				
EWx510	1990	2264				
EWx540	2010	2284	31.8			
EWx570	2025	2299				
EWx600	2040	2314				

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

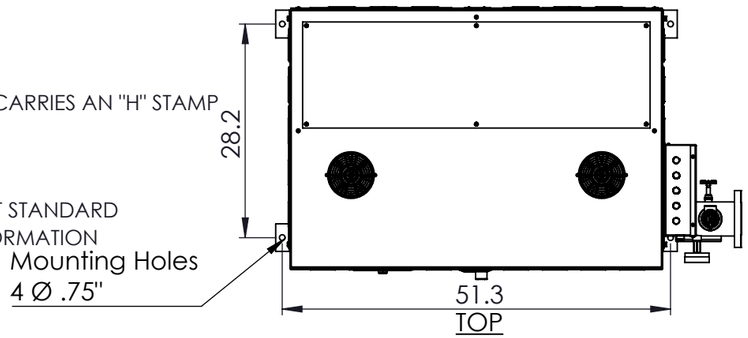
THIS DRAWING AND/OR SPECIFICATIONS ARE THE PROPERTY OF DIVERSIFIED HEAT TRANSFER INC. THIS CONFIDENTIAL AND PROPRIETARY INFORMATION SHALL NOT BE USED, COPIED OR REPRODUCED IN ANY MEANS AS THE BASIS FOR MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN AUTHORIZATION FROM OWNER.

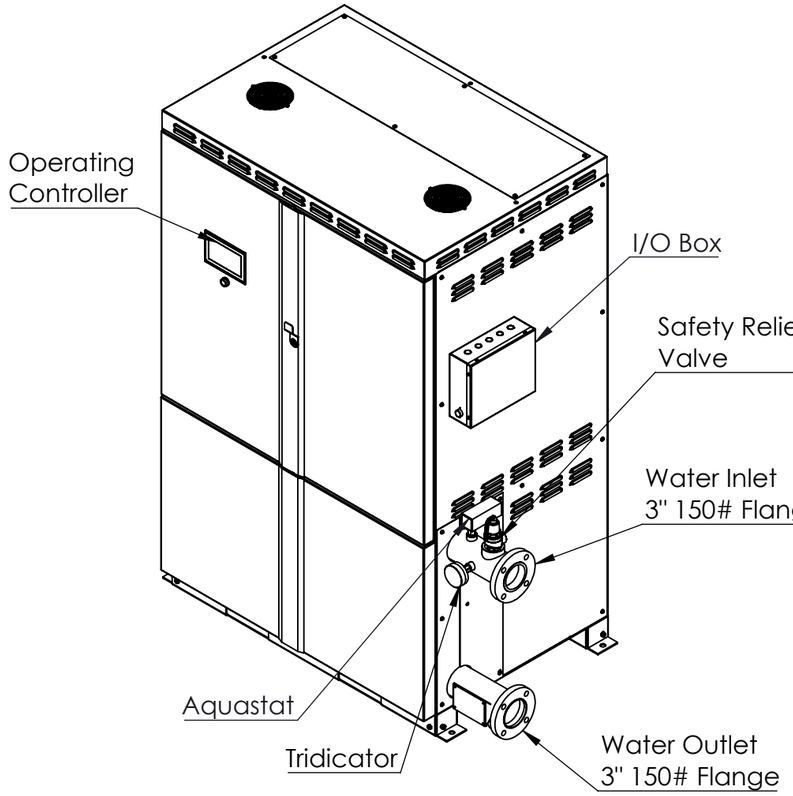
SUSSMAN ELECTRIC BOILERS
439 MAIN RD. TOWACO NJ 07082
PHONE: (800) 221-1522 FAX: (718) 386-7809

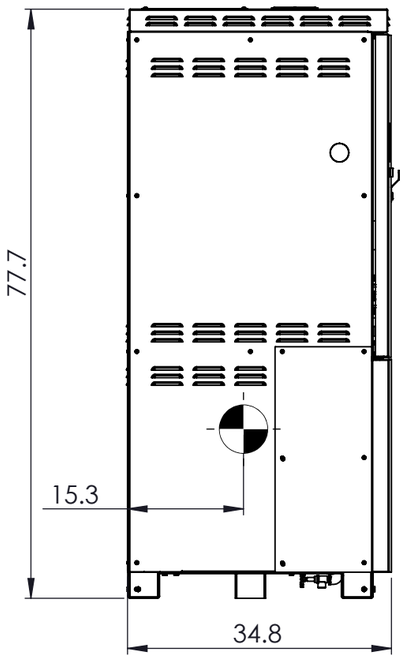
TITLE: EWx270-EWx600 ELECTRIC WATER BOILERS
* EXCLUDES EWx510-EWx600 208V, 240V

THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:		NAME	DATE	DWG#	REV
	1:20		DRAWN BY	JH	5/4/2026	EWx270-EWx600	B
			CHECKED BY			SHEET 3 OF 5	

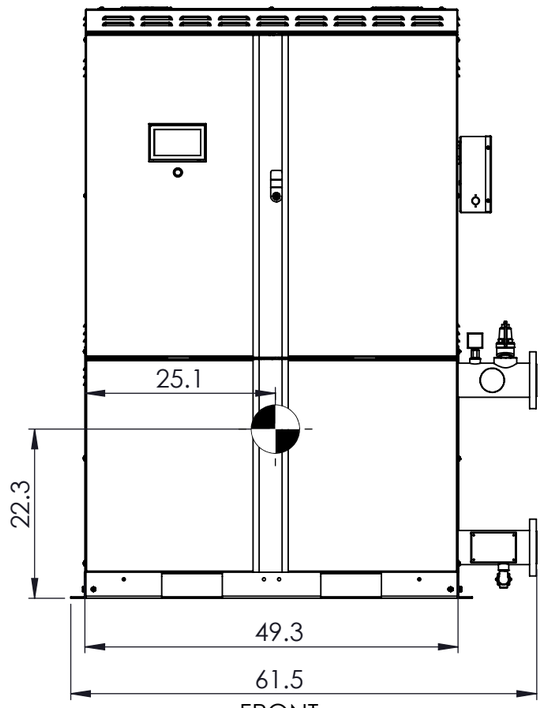
NOTES:
1. MATERIALS OF CONSTRUCTION
    1. VESSEL AND PIPING: CARBON STEEL AND CAST IRON
    2. JACKET: STAINLESS STEEL AND PAINTED STEEL
2. PRESSURE VESSEL BUILT IN ACCORDANCE WITH ASME SECTION IV AND CARRIES AN "H" STAMP
3. MAXIMUM ALLOWABLE WORKING PRESSURE UP TO 160PSI
4. BOILER IS UL LISTED TO STANDARD 834
5. FOR EWx510-EWx600 VOLTAGES 208V/3 & 240V/3
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



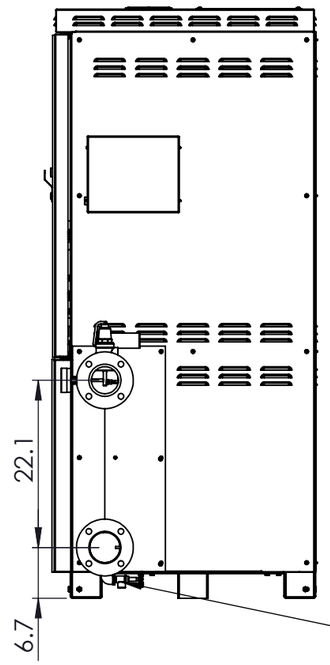




LEFT



FRONT



RIGHT

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 ⬭

THIS DRAWING AND/OR SPECIFICATIONS ARE THE PROPERTY OF DIVERSIFIED HEAT TRANSFER INC. THIS CONFIDENTIAL AND PROPRIETARY INFORMATION SHALL NOT BE USED, COPIED OR REPRODUCED IN ANY MEANS AS THE BASIS FOR MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN AUTHORIZATION FROM OWNER.

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

TITLE: EWx510-EWx600 ELECTRIC WATER BOILERS 208V & 240V

THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:
	1:20	

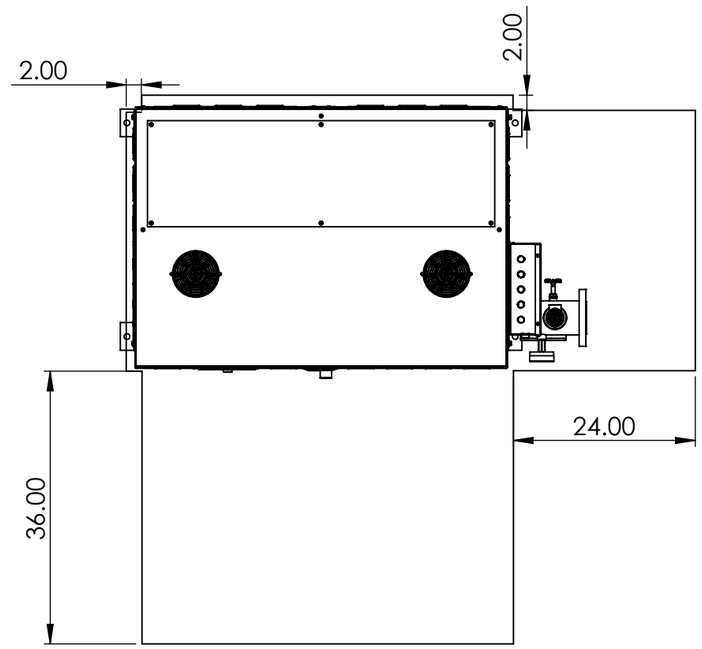
	NAME	DATE
DRAWN BY	JH	5/4/2026
CHECKED BY		

DWG# EWx510-EWx600 208V&240V
SHEET 4 OF 5

REV A

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 1" CLEARANCE TO ALL COMBUSTIBLE MATERIALS

Service Clearance Requirements



Boiler	kW	Elements	Voltage	Amp Draw	MBH	Min Flow (GPM)	Max Flow (GPM)
EWx510	510	17x 30kW	208	1418	1740	20	205
			240	1229			
EWx540	540	18x 30kW	208	1501	1842	20	205
			240	1301			
EWx570	570	19x 30kW	208	1585	1945	20	205
			240	1373			
EWx600	600	20x 30kW	208	1668	2047	20	205
			240	1446			

Boiler	Dry Weight (LBS)	Wet Weight (LBS)	Total Volume (Gal)	Boiler Headers Size (150# Flange)	Drain Size (NPT)	Safety Valve Outlet Size (NPT)
EWx510	2390	2664				1.25" (50,60,75 PSI)
EWx540	2410	2684	31.8	3"	0.75"	1" (100 PSI)
EWx570	2425	2699				0.75" (125,150 PSI)
EWx600	2440	2714				

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 ⬭

THIS DRAWING AND/OR SPECIFICATIONS ARE THE PROPERTY OF DIVERSIFIED HEAT TRANSFER INC. THIS CONFIDENTIAL AND PROPRIETARY INFORMATION SHALL NOT BE USED, COPIED OR REPRODUCED IN ANY MEANS AS THE BASIS FOR MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN AUTHORIZATION FROM OWNER.

THIRD ANGLE PROJECTION

DWG. SCALE: 1:20

MATERIAL SPEC:

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

TITLE: EWx510-EWx600 ELECTRIC WATER BOILERS 208V & 240V

	NAME	DATE
DRAWN BY	JH	5/4/2026
CHECKED BY		

DWG# EWx510-EWx600 208V & 240V
SHEET 5 OF 5

REV A