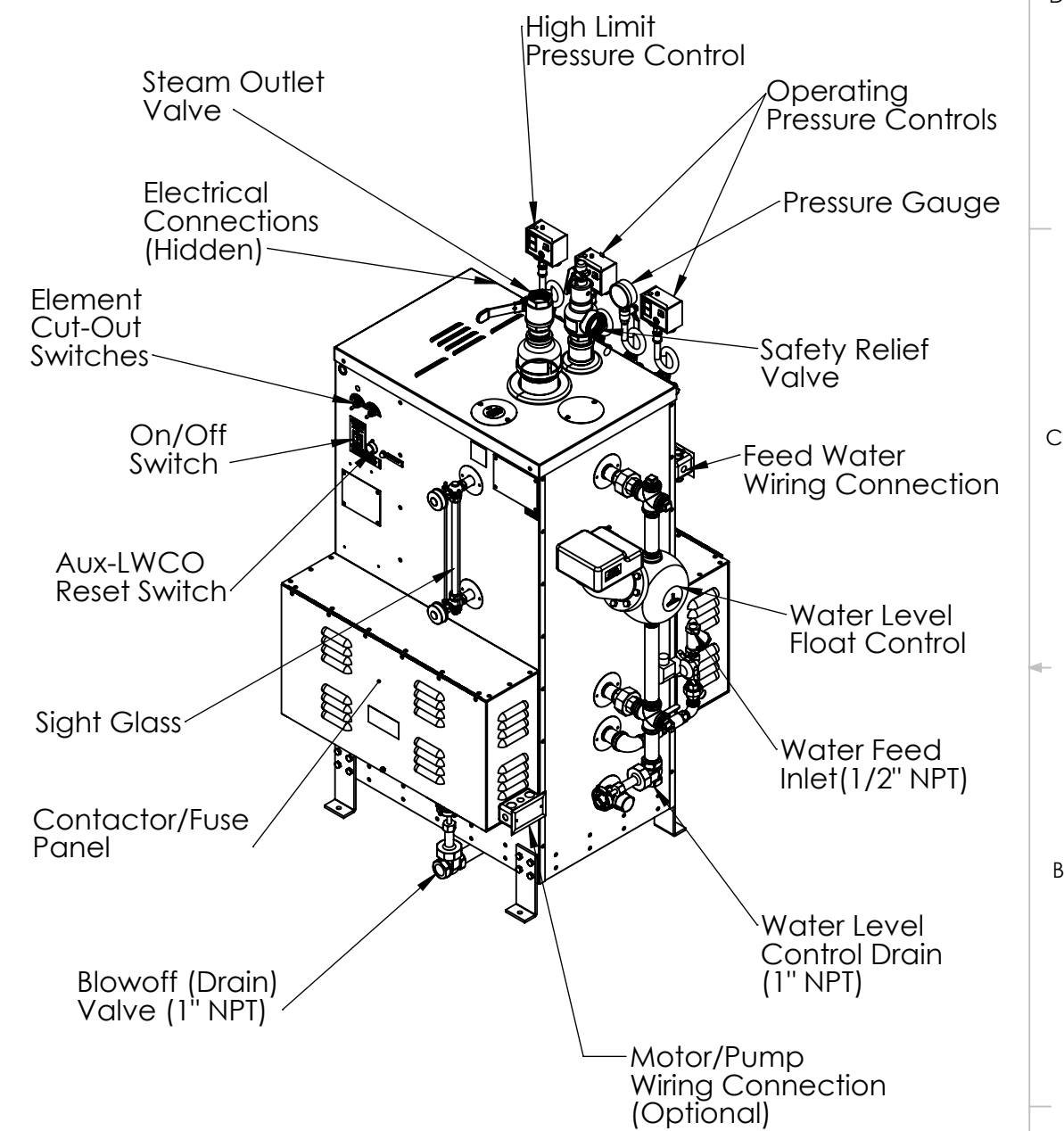


Rev.	Date	ECN	Desc.	Auth.
1	1/19/22	xxxx	Initial Drawing	E.Z

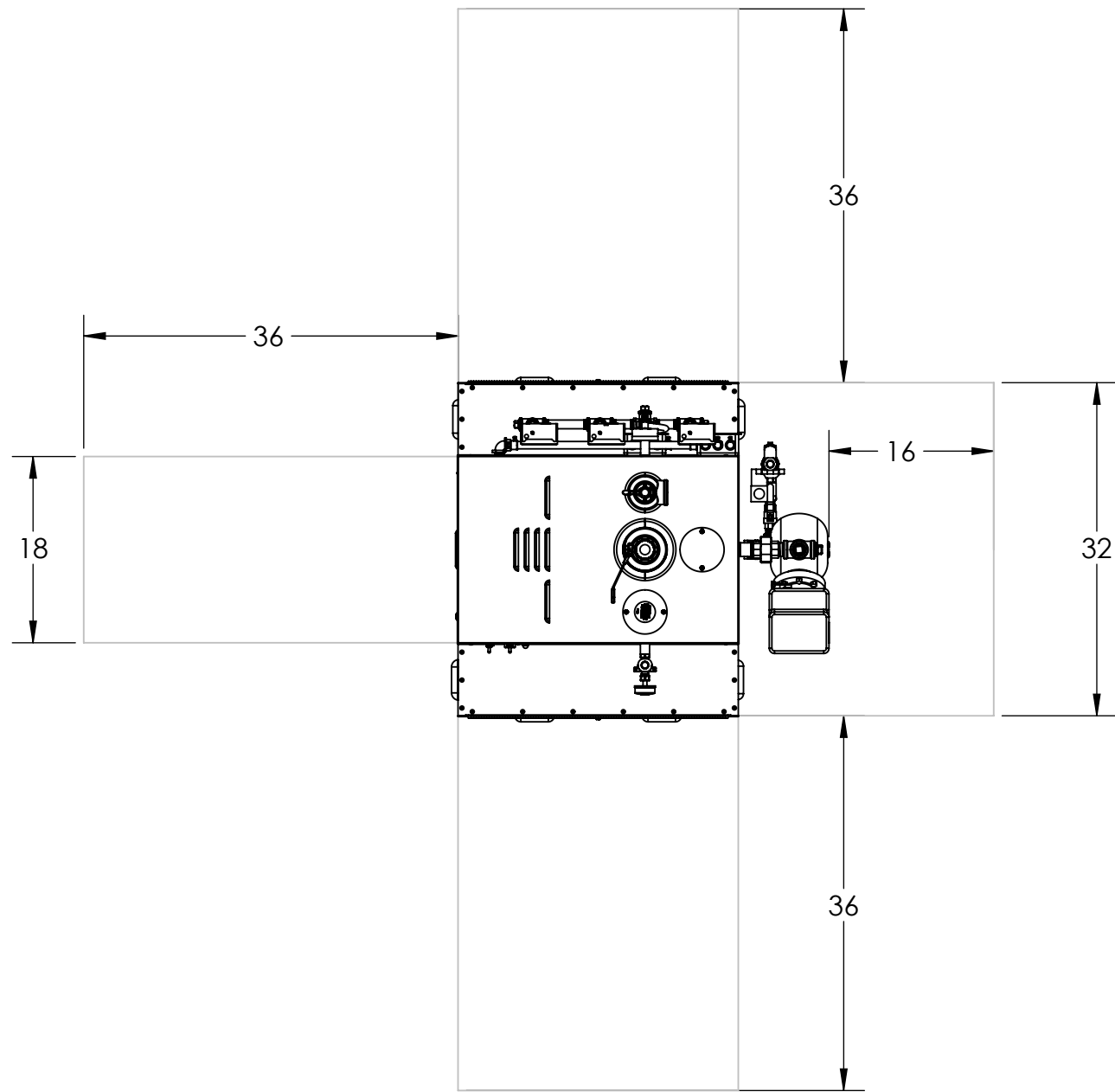


Notes:

- For ES135 to ES180, 15, 50, and 100 psi trims, 208V & 240V, 3 ph
- Boiler is UL listed to standard 834
- Materials of construction:
 - Vessel and Piping: Carbon Steel
 - Jacket: Stainless Steel
- Pressure vessel built in accordance with ASME Section 1 and carries an "M" stamp
- Completed boiler is built in accordance with ASME Section 1 and carries an "E" Stamp
- Refer to Technical Data Sheet at www.sussmanboilers.com for more information

NAME	DATE	SUSSMAN-AUTOMATIC CORPORATION 43-20 34TH STREET, LONG ISLAND CITY, NEW YORK 11101 TITLE: ES135-180 Electric Steam Boiler, 15psi, 50psi, & 100psi, 208V&240V, 3ph
DRAWN EZ	1/19/22	
ENG APPR. X	X	
DIMENSIONS ARE IN INCHES TOLERANCES: (EXCEPT AS NOTED) FRACTIONAL ± 1/64 ANGULAR: ± 1°		SIZE DWG. NO. B ES135-ES180
SCALE: 1:16		SHEET 1 OF 2

Service Clearance Requirements



- Notes:
1. Minimum 1" clearance to all combustible materials
 2. Service clearances to be in conformance to NEC requirements

Rev.	Date	ECN	Desc.	Auth.
1	1/19/22	xxxx	Initial Drawing	E.Z

Boiler	kW	Pressure	Elements	Voltage	Amp Draw	Control Voltage	Steam Flowrate (lbs/hr)	Feed Water Consumption (GPM)	Reccomended Min. Feed Water Rate (gpm)
ES135	142	15 50 100	8 x 18kw	208	395	120	433	0.87	2.6
				240	342				
ES160	157.5		7 x 22.5kw	208	438				
			240	379		475	0.95	2.9	
ES180	180		8 x 22.5kw	208	500		542	1.09	3.3
				240	434				

Boiler	Total Volume (gal)	Operating Volume (gal)	Dry Weight	Wet Weight	Shipping Weight	Steam Outlet Size (NPT)	Water Feed Inlet Size (NPT)	Drain Outlet Size (NPT)	Safety Valve Outlet Size (NPT)
ES135	36.5	22.8	638	836	720	1-1/2" (15) 1" (50 & 100)	1/2"	1"	1-1/2" (15)
ES160									1" (50)
ES180									1-1/4" (100)

Note: All weights do not include options. See option drawings for additional weights

NAME	DATE	SUSSMAN-AUTOMATIC CORPORATION 43-20 34TH STREET, LONG ISLAND CITY, NEW YORK 11101	
DRAWN	EZ	1/19/22	
ENG APPR.	X	X	
DIMENSIONS ARE IN INCHES TOLERANCES: (EXCEPT AS NOTED) FRACTIONAL ± 1/64 ANGULAR: ± 1°		TITLE: ES135-180 Electric Steam Boiler, 15psi, 50psi, & 100psi, 208V&240V, 3ph	
SIZE	DWG. NO. B ES135-ES180		
SCALE: 1:16		SHEET 2 OF 2	