CEMLINE® CORPORATION

Commercial Electric Boiler
12—600KW
Submittal Sheet

Date: _____ **Representative:** _____

Job Name: _____ **Notes:** _____

Approved By: _____ _____

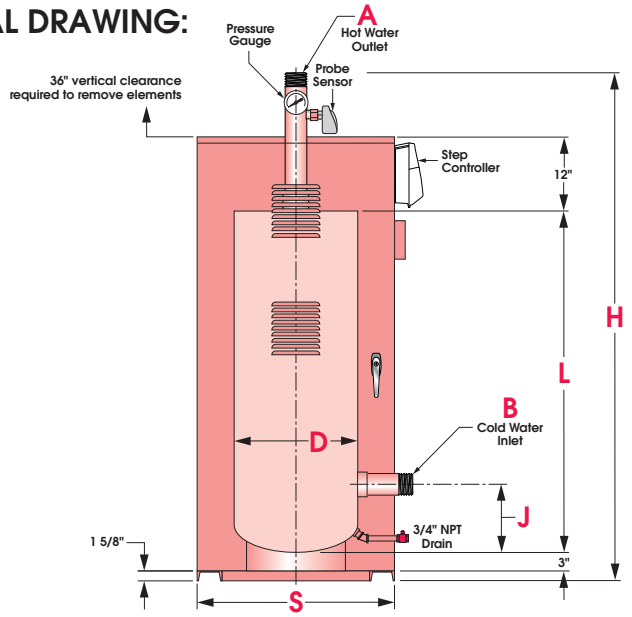
STANDARD PACKAGE FEATURES:

- A.S.M.E. Code Constructed National Board Registered H Stamp
- 3" Fiberglass Insulation
- 20 Gauge Steel Jacket with hammertone enamel-painted exterior
- ASME Pressure Relief Valve
- Pressure Gauge
- Incolocy sheathed immersion elements (75 wpsi)
- High Temperature cut-off(s) with auto & manual reset
- Low Water cut-off(s) with auto & manual reset
- Internal branch circuit fusing
- Heavy duty magnetic contactors
- Main distribution block(s)
- Line voltage to 120 fused control transformer
- On/Off switch
- Safety Door Interlock
- Grounding Lug
- Adjustable proportioning solid state step controller
- Digital Temperature Read-Out
- Outdoor reset or set point
- Day and night schedule
- UL Listed
- CSD-1 compliant
- SSCR = 100,000 KVA

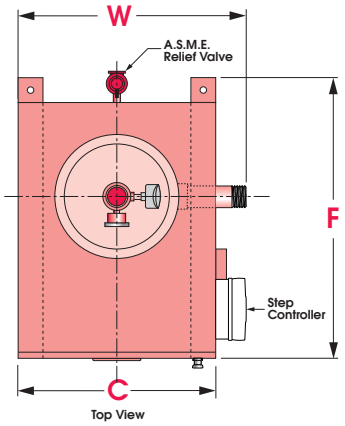
OPTIONAL FEATURES:

- ☐ Fused Disconnect
- ☐ Non-Fused Disconnect
- ☐ Power Meter
- ☐ Alarm Bell
- ☐ Flow Switch
- ☐ High Pressure Cut-Off
- ☐ Circuit Breaker
- ☐ Emergency E-Stop
- ☐ BACNet

DIMENSIONAL DRAWING:



The dimensions suggested below are well proportioned and suitable for most installations. When building space or other conditions demand, other sizes are readily available. Please consult factory.



MODEL NUMBER	H	W	C	D	L	F	J	S	A&B
VB30ETB	72"	23"	20"	12 ¾"	44"	33 ½"	11"	20"	3" NPT
VB40ETB	72"	27"	24"	16"	44"	36 ¾"	11"	24"	3" NPT
VB60ETB	72"	31"	28"	20"	44"	40 ¾"	11"	28"	3" NPT
VB80ETB	72"	35"	32"	24"	44"	44 ¾"	11"	32"	3" NPT

	Model No.	KW	Btu/Hr	Steps	KW Per Step	KW Per Element	Total # Elements	600V 3 Phase Amps	480V 3 Phase Amps	415V 3 Phase Amps	380V 3 Phase Amps
☐	VB30ETB	12	40,980	1	12	12	1	12	14	17	18
☐	VB30ETB	15	51,225	1	15	15	1	14	18	21	23
☐	VB30ETB	18	61,470	1	18	18	1	17	22	25	27
☐	VB30ETB	20	68,304	1	20	20	1	19	24	28	30
☐	VB30ETB	24	81,960	2	12	12	2	23	29	33	37
☐	VB30ETB	30	102,450	2	15	15	2	29	36	42	46
☐	VB30ETB	36	122,940	2	18	18	2	35	43	50	55
☐	VB30ETB	40	136,607	2	20	20	3	39	48	56	61
☐	VB30ETB	45	153,675	2	1@15, 1@30	15	3	43	54	63	68
☐	VB30ETB	54	184,410	3	18	18	3	52	65	75	82
☐	VB30ETB	60	204,900	3	20	20	3	58	72	84	91
☐	VB30ETB	72	245,880	3	2@18, 1@36	18	4	69	87	100	110
☐	VB30ETB	75	256,125	3	1@15, 2@30	15	5	72	90	104	114
☐	VB30ETB	80	273,214	4	20	20	4	77	96	111	123
☐	VB30ETB	90	307,350	5	18	18	5	87	108	125	137
☐	VB30ETB	100	341,518	5	40	20	5	96	120	139	152
☐	VB30ETB	108	368,820	3	36	18	6	104	130	150	164
☐	VB30ETB	120	409,800	3	40	20	6	116	145	167	183
☐	VB40ETB	144	491,760	4	36	18	8	139	173	201	219
☐	VB40ETB	150	512,250	5	30	15	10	145	181	209	228
☐	VB40ETB	180	614,700	5	1@20, 4@40	20	9	173	217	251	274
☐	VB60ETB	210	717,150	7	30	15	14	202	253	292	319
☐	VB60ETB	240	819,600	6	40	20	12	231	289	334	365
☐	VB60ETB	270	922,098	8	1@18, 7@36	18	15	260	325	376	411
☐	VB60ETB	300	1,024,500	8	1@20, 7@40	20	15	289	361	418	456
☐	VB60ETB	320	1,092,857	8	40	20	16	308	385	446	487
☐	VB60ETB	360	1,229,400	9	40	20	18	347	434	501	548
☐	VB60ETB	400	1,366,072	10	40	20	20	385	482	557	609
☐	VB60ETB	440	1,502,679	11	40	20	22	424	530	613	669
☐	VB80ETB	480	1,639,200	8	4@40, 4@80	20	24	462	578	669	730
☐	VB80ETB	520	1,775,893	7	1@40, 6@80	20	26	501	626	724	791
☐	VB80ETB	560	1,912,500	7	80	20	27	539	674	780	852
☐	VB80ETB	600	2,049,000	8	1@40, 7@80	20	30	578	723	836	913

	Model No.	KW	Btu/Hr	Steps	KW Per Step	KW Per Element	Total # Elements	240V 3 Phase Amps	208V 3 Phase Amps
☐	VB30ETB	12	40,980	1	12	12	1	29	33
☐	VB30ETB	15	51,225	1	15	15	1	36	42
☐	VB30ETB	24	81,960	2	12	12	2	58	67
☐	VB30ETB	30	102,450	2	15	15	2	72	83
☐	VB30ETB	45	153,675	3	15	15	3	108	125
☐	VB30ETB	60	204,900	4	15	15	4	145	167
☐	VB30ETB	75	256,125	5	15	15	5	181	208
☐	VB30ETB	90	307,366	6	15	15	6	217	250
☐	VB30ETB	105	358,594	7	15	15	7	253	292
☐	VB30ETB	120	409,800	8	15	15	8	289	333
☐	VB40ETB	150	512,250	5	30	15	10	361	417
☐	VB40ETB	180	614,700	6	30	15	12	434	500
☐	VB60ETB	210	717,150	7	30	15	14	506	583
☐	VB60ETB	240	819,600	8	30	15	16	578	666
☐	VB60ETB	270	922,098	9	30	15	18	650	750
☐	VB60FTB	300	1,024,500	10	30	15	20	723	834

Symbol Designating Code:

	Voltage	Phase	Code
☐	208	1	BY1
☐	208	3	BY3
☐	240	1	B1
☐	240	3	B3
☐	480	3	C3
☐	600	3	D3

Specifying a Cemline Boiler Model Number:

1. Cemline Boiler Number and KW.
2. Symbol designating voltage — select from code on left:
3. Symbol for U.L. listing.

Example: VB30ETB75 C3 RL
Interpretation: 1 2 3

Example shown above is for a vertical boiler, 75 KW, 480 volt, 3 phase.

Cemline Boiler Model: _____

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