Lochinvar®
High Efficiency Water Heaters, Boilers and Pool Heaters

Commercial Electric Compact Boilers

Standard Features

- ASME National Board Registered Pressure Vessel
- Heavy Duty Steel Boiler Vessel Housing
- 4" Fiberglass Insulation
- 3" NPT Inlet and Outlet Connection
- ASME Pressure Relief Valve
- Pressure Gauge with Cock
- Drain Valve
- Adjustable High Limit with Automatic Reset
- Adjustable High Limit with Manual Reset (units with more than 2 stages)
- Low Water Cut-Off
- Incoloy-Sheathed Elements
- Internal Branch Circuit Fusing
- Magnetic Contactors
- Main Supply Circuit Lugs
- 120 Volt Fused Control Transformer
- On/Off Switch with Pilot Light
- Manual Limit Toggle Switches (1 per step)
- Key Locked Door
- Electric Control Panel
- On/Off Temperature Switches (1 & 2 Step Models)
- Electronic Multi-Stage Control (3 & 4 Step Models)
- Proportional Solid State Step Control (Units with more than 4 Steps)
- Status Pilot Light for each Step
- Digital Temperature Readout (except 1 & 2 Step)
- Listed by the Underwriters Laboratories
- 3 Year Limited Tank Warranty / 1 Year Parts Warranty (See warranty for details)

Optional Equipment

- Alarm Bell
- Automatic Breaker
- Flow Switch
- ABB Fused Disconnect
- Non-Fused Disconnect
- Ground Fault Detector
- Low Temperature Switch
- Modulating Step Control
- Kilowatt/Hour Meter
- Flanged Water Connections

Commercial Electric Compact Boiler Dimensions & Specifications

Model Number	Max. Flow (gpm)	Connection Sizes (NPT)	Dia (In)	Vol (Gal)	Dimensions A	B	C	Weight lbs.
BW*1-**C	230	3"	12"	22	52"	24"	30"	600
BW*2-**C	230	3"	16"	36	52"	28"	34"	800
BW*3-**C	230*	3"	20"	56	52"	32"	38"	1100

*4"/300 GPM is Optional ** Power Panel will be taller or wider for ABB Disconnect option. Consult factory.

Components

1. Temperature Limit, Auto Reset
2. Temperature Limit, Manual Reset
3. Manual Limit Switches
4. Pilot Lights, Amber (Steps "On")
5. PB Switches (Low Water Cutoff "Test"/"Reset")
6. Toggle Switch (Control Power)
7. Pilot Light, Amber (Control Power "On")
8. Pilot Light, Red (Low Water)
9. Temperature Setpoint / Control / Readout
10. Safety Relief Valve
11. Temperature & Pressure Gauges
12. Drain Valve

Commercial Electric Compact Boilers

Ratings & Circuit Configurations

Model	Rating		208 & 240 VOLT				380 & 415 VOLT				480 VOLT			
			Elements		Number of		Elements		Number of		Elements		Number of	
Number	MBH	kW	Qty	kW	Circuits	Steps@ kW	Qty	kW	Circuits	Steps@ kW	Qty	kW	Circuits	Steps@ kW
BW*1-015C	51	15	1	15	1	1@15	1	15	1	1@15	1	15	1	1@15
BW*1-018C	61	18	-	-	-	-	-	-	-	-	1	18	1	1@18
BW*1-020C	68	20	2	10	2	1@20	-	-	-	-	1	20	1	1@20
BW*1-030C	102	30	2	15	2	1@30	2	15	1	1@30	2	15	1	1@30
BW*1-036C	123	36	-	-	-	-	-	-	-	-	2	18	1	1@36
BW*1-040C	136	40	4	10	4	2@20	-	-	-	-	2	20	1	1@40
BW*1-045C	154	45	3	15	3	1@15, 1@30	3	15	2	1@15, 1@30	3	15	2	1@15,1@30
BW*1-054C	184	54	-	-	-	-	-	-	-	-	3	18	2	1@18,1@36
BW*1-060C	205	60	4	15	4	2@30	4	15	2	2@30	4	15	2	2@30
BW*1-072C	246	72	-	-	-	-	-	-	-	-	4	18	2	2@36
BW*1-075C	256	75	5	15	5	1@15, 2@30	5	15	3	1@45, 1@30	5	15	3	1@45, 1@30
BW*1-080C	273	80	8	10	8	4@20	-	-	-	-	4	20	2	2@40
BW*1-090C	307	90	6	15	6	3@30	6	15	3	3@30	5	18	3	1@18, 2@36
BW*1-100C	341	100	-	-	-	-	-	-	-	-	5	20	3	1@20, 2@40
BW*1-105C	358	105	7	15	7	1@15, 3@30	7	15	4	1@45, 2@30	7	15	4	1@45, 2@30
BW*1-108C	368	108	-	-	-	-	-	-	-	-	6	18	3	3@36
BW*1-120C	409	120	8	15	8	4@30	8	15	4	4@30	6	20	3	3@40
BW*1-126C	430	126	-	-	-	-	-	-	-	-	7	18	4	1@18, 3@36
BW*2-135C	461	135	9	15	9	1@45,3@30	9	15	5	1@45, 3@30	9	15	5	1@45, 3@30
BW*1-140C	478	140	-	-	-	-	-	-	-	-	7	20	4	1@20, 3@40
BW*1-144C	491	144	-	-	-	-	-	-	-	-	8	18	4	4@36
BW*2-150C	512	150	10	15	10	5@30	10	15	5	5@30	10	15	5	5@30
BW*1-160C	546	160	-	-	-	-	-	-	-	-	8	20	4	4@40
BW*2-165C	563	165	11	15	11	1@45, 4@30	11	15	6	1@45, 4@30	11	15	6	1@45, 4@30
BW*2-180C	614	180	12	15	12	6@30	12	15	6	6@30	10	18	5	5@36
BW*2-200C	682	200	-	-	-	-	-	-	-	-	10	20	5	5@40
BW*3-210C	717	210	14	15	14	7@30	14	15	7	7@30	14	15	7	7@30
BW*2-216C	737	216	-	-	-	-	-	-	-	-	12	18	6	6@36
BW*3-225C	768	225	15	15	15	1@45, 6@30	15	15	8	1@45, 6@30	15	15	8	1@45,6@30
BW*2-240C	819	240	-	-	-	-	-	-	-	-	12	20	6	6@40
BW*3-240C	819	240	16	15	16	8@30	16	15	8	8@30	16	15	8	8@30
BW*3-252C	860	252	-	-	-	-	-	-	-	-	14	18	7	7@36
BW*3-270C#	921	270	18	15	18	9@30	18	15	9	1@60, 7@30	15	18	8	1@18, 7@36
BW*3-280C	955	280	-	-	-	-	-	-	-	-	14	20	7	7@40
BW*3-288C	983	288	-	-	-	-	-	-	-	-	16	18	8	8@36
BW*3-300C#	1024	300	20	15	20	10@30	20	15	10	2@60, 6@30	15	20	8	1@20, 7@40
BW*3-320C	1092	320	-	-	-	-	-	-	-	-	16	20	8	8@40
BW*3-330C#	1126	330	22	15	22	11@30	22	15	11	3@60, 5@30	22	15	11	5@30, 3@60
BW*3-360C#	1228	360	24	15	24	12@30	24	15	12	4@60, 4@30	20	18	10	6@36, 2@72
BW*3-400C	1365	400	-	-	-	-	-	-	-	-	20	20	10	6@40, 2@80
BW*3-440C	1501	440	-	-	-	-	-	-	-	-	22	20	11	5@40, 3@80
BW*3-480C	1638	480	-	-	-	-	-	-	-	-	24	20	12	4@40, 4@80

Notes: # = Oversize control cabinets are supplied for these models at 208 & 240 volts.

VOLTAGE SCHEDULE

A – 240V	1PH
B – 240V	3PH
J – 208V	1PH
K – 208V	3PH
X – 480V	3PH
W – 277V	1PH
Y – 380V	3PH
Z – 415V	3PH

Operating temperature and pressure are requested prior to placing an order.

FOR EASE IN ORDERING BY MODEL NUMBER

This is a 240 volt, three phase, 140 Kilowatt compact size electric hot water boiler.

Lochinvar Corporation • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900 / Fax: 615-547-1000
www.Lochinvar.com