



THERMOLEC

ELECTRIC BOILER

The Latest In Technology for

**NOW ASME
LISTED!**

HYDRONIC HEATING



Standard Features

Wide Range of kW Sizes Available

- 5 - 40 kW, up to 136,480 BTU output

Fully Modulating

- Ideal for multiple zone systems
- 15% energy savings versus staged boilers

Outdoor Sensor and Reset Control

- Adjusts water temperature based on outdoor temperature to maximize efficiency and comfort

Dual Energy Heating

- All models include load management control connections

Stainless Steel Tank

- Durable, corrosion-resistant heat generator vessel
- ASME H Stamp and CSA approved

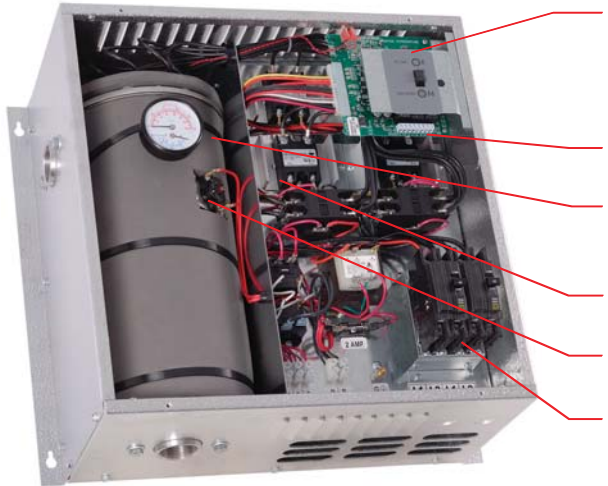
Compact and Light Weight Design

- Easy handling
- Minimal space requirements

Electronic Aquastat

- Precise supply water temperature control up to 190°F
- Ideal for radiant floor, baseboard, radiator or hydronic coil systems

Thermolec Electric Boiler Standard Components



Electronic Controller

- Full modulation: maximizes heating efficiency for precise control of supply water temperature.
- Aquastat: fully adjustable up to 190°F.
- Reset control: varies water temperature based on outdoor temperature.

Load Management Control

- Automatically controls boiler based on utility control.

Insulated Stainless Steel Heat Generator Tank

- Corrosion-resistant for long life.
- ASME listed

Solid State Control Relay(s)

- Silent, long lasting control of element switching.

High-Limit Protection

- Built-in manual reset for safety.

Circuit Breakers Included

- Provides safe electrical isolation for service.

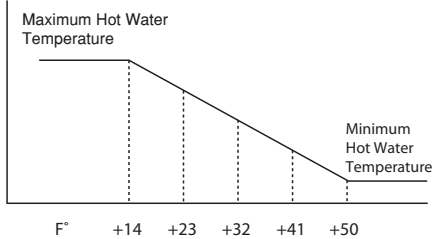
One Model for all applications

Outdoor Sensor and Supply Water Temperature Reset

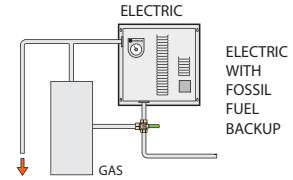
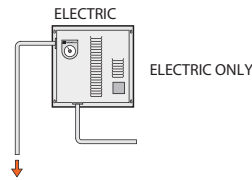


Outdoor Sensor

The outdoor reset control proportionally varies the hot water temperature when the outdoor temperature is between +14°F and +50°F. The result is improved comfort and energy savings on mild days.



Typical Installations



For Fossil Fuel Backup Application Boiler includes:

Dual Fuel Control Switch that allows for manual selection between gas/oil or electric boiler and automatically switches based on utility company's load management signal.

Specifications @ 240v / 1ph

FFB	B-5U-FFB	B-6U-FFB	B-8U-FFB	B-9U-FFB	B-10U-FFB	B-12U-FFB	B-15U-FFB
KW	5	5.75	8	9	10	11.5	15
BTU/HOUR	17,060	19,619	27,296	30,708	34,120	39,238	51,180
TOTAL AMPS	20.83	23.96	33.33	37.50	41.67	47.92	62.50
BREAKER/AMP SIZE	1 x 30A	1 x 30A	1 x 50A	1 x 50A	1 x 60A	1 x 60A	1 x 60A/1 x 30A
SHIPPING WEIGHT	37 lbs.	38 lbs.	39 lbs.	39 lbs.	39 lbs.	40 lbs.	44 lbs.

FFB	B-18U-FFB	B-20U-FFB	B-23U-FFB	B-27U-FFB	B-30U-FFB	B-35U-FFB	B-40U-FFB
KW	18	20	23	27	30	35	40
BTU/HOUR	61,416	68,240	78,476	92,124	102,360	119,420	136,480
TOTAL AMPS	75.00	83.37	95.83	112.50	125.00	145.83	166.67
BREAKER/AMP SIZE	1 x 60A/1 x 50A	2 x 60A	2 x 60A	2 x 50A/1 x 60A	3 x 60A	4 x 50A	4 x 60A
SHIPPING WEIGHT	47 lbs.	47 lbs.	49 lbs.	73 lbs.	73 lbs.	74 lbs.	74 lbs.

NOTE: 3-Phase units available in 18, 24, 30, 35 and 40 KW.

Dimensions

5 - 23 kW: 18" x 18" x 9.5"

27 - 40 kW: 18" x 28" x 9.5"

Limited Warranty

10 years on elements and tank, 2 years on all other components.

Distributed By:



2060 Lucien-Thimens
Montreal, Quebec, Canada
H4R 1L1

Tel.: 514-336-9130 Fax.: 514-336-3270

Web Site: www.thermolec.com

