

BTH ULTRA

Electric Boilers

From 6 KW to 33 KW, 240 VAC

New
UltraSmart
Controller



- 100% Efficiency
- Modulation of the capacity according to the heat demand
- Outdoor reset to control the boiler water temperature.
- Boiler heats on demand only
- Easy to install and program
- Compact and quiet
- 120V pump supply and 24V for thermostat and accessories included
- Ideal for radiant floor installation
- Ready for a Dual Energy installation without auxiliary control CBE-EM
- Limited 2 year warranty on parts and 10 year on the reservoir

A quality product
for energy savings



1-888-854-1111
www.thermo2000.com

BTH ULTRA

Electric Boilers



120/240 VAC / 60 Hz / 1 phase

Model	Power kW	Power BTUH	Charge Amps*	Electric Elements	Stages	Wire*** Copper
BTH ULTRA 6**	6	20 478	25.0	2 x 3 kW	2	8
BTH ULTRA 8**	8	27 296	33.3	1 x 3 kW, 1 x 5 kW	2	8
BTH ULTRA 10**	10	34 120	41.6	2 x 5 kW	2	6
BTH ULTRA 12**	12	40 944	50.0	4 x 3 kW	4	6
BTH ULTRA 15	15	51 180	62.5	2 x 3 kW, 2 x 4.5 kW	4	4
BTH ULTRA 18	18	61 416	75.0	4 x 4.5 kW	4	3
BTH ULTRA 20	20	68 240	83.4	4 x 5 kW	4	3
BTH ULTRA 24	24	81 888	100.0	4 x 6 kW	4	2
BTH ULTRA 27	27	92 124	112.5	6 x 4.5 kW	4	1
BTH ULTRA 30	30	102 360	125.0	6 x 5 kW	4	1/0
BTH ULTRA 33	33	112 596	138.0	3 x 5 kW, 3 x 6 kW	4	2/0

* Add an extra capacity (max 5A 1/16hp) for the pump

**Models having a capacity of 3 to 12 KW are also available in our MINI Ultra series

***Models 6 to 24 KW are also certified aluminium supply cables having bigger size

Circuit breakers are standard on 30 KW (102 360 BTUH) and 33 KW (112 596 BTUH) models

Connections

Boiler supply	1 in. NPT
Boiler return	1 in. NPT
Water works	1/2 in. NPT
Safety relief valve	3/4 in. NPT
Drain valve	1/2 in. NPT

Operating temperature: 50°F to 200°F. (10 to 90°C)

Maximum operating pressure: 30 psi. (207KPa)

Dimensions

Height	12-1/2 in
Width	24-1/2 in
Depth	16-1/2 in
Ship Wgt	99 lbs

10 year limited warranty on the reservoir and 2 years on all electric and mechanical components. Please consult the terms of the warranty.



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BTH ULTRA Electric Boilers



The BTH ULTRA electric boiler series produces all the energy required for hydronic systems in residential, commercial and institutional applications.

To achieve maximal energy exchange, an injection system propels boiler water around electric elements in the boiler.

CHARACTERISTICS OF THE CONTROLLER

- Smart controller for energy savings and better comfort
- Modulation of the boiler water temperature and the capacity of the unit.
- Semi-automatic adjustment of the water temperature "Boost mode" according to the heating conditions.
- Easy configuration and adjustment of the operating parameters.
- Equal run time of the stages for an even use of the components.
- Backlight display showing the state of operation of the system.

UltraSmart

