



## Commercial Electric Energy Saver Medium Duty – 3 Element Models

### Features:

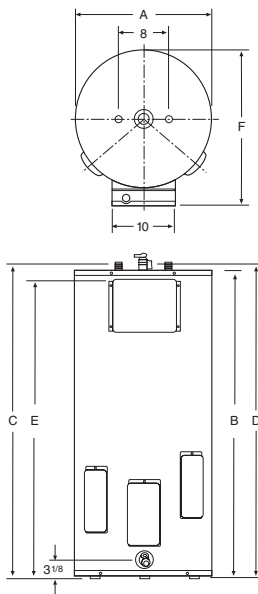


Bradford White is ISO registered to the 9001 - standard.

- **2" Non-CFC foam insulation**—surrounds tank surface, saving energy by retarding loss of heat.
- **Conversion Kits**—Design certified by UL for field conversion; Conversion kits are available to convert any one model to a variety of voltages, kW inputs and wire phase. Please refer to page 2 for Kit Part numbers and limitations.
- **Factory installed dielectric waterway fittings**—all heaters, equipped with special water heater nipples for longer life.
- **Fully automatic controls**—fast acting surface-mount thermostats for automatic temperature control. Factory installed sensitive manual reset energy cut off for safety to prevent overheating.
- **Direct heat transfer with immersed elements**—apply heat directly and efficiently to the water. Screw in style.
- **Vitraglas® lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. The Bradford White high silica Vitraglas® lining provides a tough interior surface for our hot water tanks.
- **Factory installed Hydrojet® Total Performance System**—cold inlet sediment reduction device helps minimize sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up at top of tank.
- **Protective magnesium rod**—provide added protection against corrosion for long trouble-free service.
- **T&P relief valve**—factory installed.
- **Brass drain valve.**
- **Three year limited warranty on steel tank**—heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **One year limited warranty on parts.**
- **Optional**—NSF Construction Service Kits
  - E32-50 (265-45446-01)
  - E32-80 (265-45446-02)
  - E32-120 (265-45446-03)

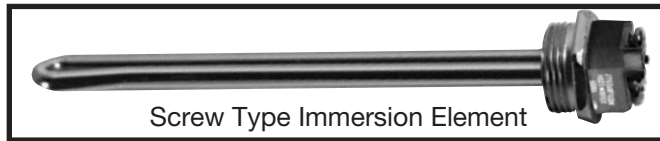
MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS:  
5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385;  
6,684,821; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (B1)5,341,770; 5,660,165;  
5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983;  
4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968;  
4,672,919; Re. 34,534. OTHER U.S. AND FOREIGN PATENT APPLICATIONS  
PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832;  
2,045,862; 2,112,515; 2,108,186; 2,107,012, 2,092,105.





### Energy Saver Models

These water heaters meet or exceed the performance standards established under ASHRAE Standard 90.1b (current edition). Meets NAECA requirements.



Screw Type Immersion Element

### Full Load Amperes – (Phase 1/Phase 3)

Input Kw	208V	240V	277V	380V	415V	480V
6	28.8/16.6	25/14.4	21.6	10	8.3	12.5/7.2
9	43.2/25	37.5/21.6	32.4	14	12.5	18.7/10.8
12	57.6/33.3	50/28.9	43.3	19	16.7	25/14.4
13.5	64.9/37.5	56.2/32.5	48.7	21	18.8	28.1/16.2
15	72.1/37.5	62.5/36.1	54.1	23	20.9	31.2/18
18	86.5/50	75/43.4	64	28	25	37.5/21.6

### C.E.C. Listed

Model	Imp. Gal. Cap.	U.S. Gal. Cap.	Liters	A Jacket Diameter		B Height Floor to Heater Top		C Floor to Water Conn.		D Height Floor to T&P Conn.		E Height Floor to Control Box		F Control Box to Back of Heater		Approx. Shipping Weight	
				in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	Lbs.	Kg.		
E32-50S-3	42	50	189	22	559	46½	1181	47½	1207	47½	1210	44½	1140	24½	625	137	62
E32-80R-3	67	80	303	24	610	59	1499	60	1524	60½	1527	57½	1457	26¼	679	190	86
E32-120R-3	99	119	450	28¼	730	63	1600	64	1626	64½	1629	61½	1568	30½	784	312	142

All Medium Duty heaters are wired 240 volt/3-phase 18 kW. Other voltages, wiring phase & kW are available and must be specified when ordering. Model numbers for Canada to include -854.

### Sample Specification

Water heater shall be a Bradford White model with a rated storage capacity of not less than \_\_\_\_\_ gallons/liters, a minimum kW input of \_\_\_\_\_, and a minimum recovery of \_\_\_\_\_ GPH/LPH at 100°F (56°C) temperature rise. It shall be designed certified either with or without a separate storage tank. The tank shall be lined with Vitraglas® vitreous enamel. The tank should consist of three screw type elements with a combined maximum input of 18 kW. The tank shall have one magnesium anode rod. The units should be design certified by UL/cUL for field conversions with specific kits available from the factory. The heater shall be insulated with not less than 2" (51mm) of Non-CFC foam. This water heater shall be equipped with an ASME rated T&P relief valve. The entire installation shall be made in compliance with state and local codes and ordinances.

### General

All models UL and CUL listed. All water connections, 1" (25mm) NPT. All electrical connections, ¾" (19mm). All models certified at 300 psi test pressure (2068 kPa), 150 psi working pressure (1034 kPa).

**Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.**

### Conversion Kit Table

Required Total Heater kW	Element Wattage	Kit Part Numbers		
		208 Volts	240 Volts	480 Volts
6	2000	265-43942-13	265-43942-07	265-43942-01
9	3000	265-43942-14	265-43942-08	265-43942-02
12	4000	265-43942-15	265-43942-09	265-43942-03
13.5	4500	265-43942-16	265-43942-10	265-43942-04
15	5000	265-43942-17	265-43942-11	265-43942-05
18	6000	N/A	265-43942-12	265-43942-06

### Standard Element Availability Chart

WATTS	120V	208V	240V	277V	380V	415V	480V
2,000	yes	yes	yes	yes	yes	yes	yes
3,000	yes	yes	yes	yes	yes	yes	yes
4,000	no	yes	yes	yes	yes	yes	yes
4,500	no	yes	yes	yes	yes	yes	yes
5,000	no	yes	yes	yes	yes	yes	yes
6,000	no	yes	yes	yes	yes	yes	yes

415 volt elements are not available for distribution in the United States and Canada.

### Incoloy Element Availability Chart

WATTS	120V	208V	240V	277V	380V	415V	480V
2,000	no	yes	yes	yes	yes	yes	yes
3,000	no	yes	yes	yes	yes	yes	yes
4,000	no	yes	yes	yes	yes	yes	yes
4,500	no	yes	yes	yes	yes	yes	yes
5,000	no	yes	yes	no	yes	yes	yes
6,000	no	yes	yes	yes	yes	yes	yes

415 volt elements are not available for distribution in the United States and Canada.



Ambler, PA

For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-538-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089

Warranty 800-531-2111 • Fax 269-795-1089 / International: Telephone 215-641-9400 • Telefax 215-641-9750 / Fax on Demand 888-538-7833 / www.bradfordwhite.com

BRADFORD WHITE-CANADA INC. Sales/Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhitecanada.com

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For Everything Hot Water

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