

B R A D F O R D W H I T E



ElectriFLEX
S E R I E S™



ElectriFLEX Series™ Field Convertible
Commercial Electric Water Heaters



BRADFORD WHITE
WATER HEATERS

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Commercial Electric Water Heaters



ElectriFLEX Series™ field convertible commercial electric water heaters provide an incredible level of flexibility. With Light, Medium, and Heavy Duty models, you'll find a commercial application solution for almost any situation. Each different class of ElectriFLEX Series™ water heaters offers convertibility of voltage, phase, and kW input.

A single model can solve multiple installation requirements. With the appropriate kit, conversions are easily accomplished by a qualified installer at the supply house or in the field.

Highlights

- *Numerous configurations using the conversion kits*
- *Minimizes warehouse space required for storage*
- *Reduces dollars tied up in inventory*
- *Base models can solve multiple electric configurations*
- *Conversion kits can be shipped FED EX or UPS*
- *Easy conversion of voltage, phase, and kW input*



The Bradford White ElectriFLEX Series™

ElectriFLEX LD™ (Light Duty) Models

ElectriFLEX LD™ models are offered in Upright, Utility, Lowboy, and Wall Hung configurations so you'll always have the perfect solution for your light duty applications. These space-saving, high output water heaters are perfect for commercial installations such as strip malls, service stations, and fast food restaurants. Light duty model capacities range from 6 to 119 gallons.

Key Features

- Convertible from Three Phase to Single Phase – No Kit Required
- Convertible from Non-Simultaneous to Simultaneous Operation
- All Factory Set Voltages Are Convertible to or from 120V, 208V, 240V, 277V, and 480V
- 16 Different kW Inputs Available (1.5kW – 12kW*)
- Direct Heat Transfer with Immersed Elements
- Fully Automatic Controls
- Hydrojet® Total Performance System (Upright and Lowboy Models Only)
- Vitraglas® Lining for Superior Tank Protection
- T&P Relief Valve Installed



ElectriFLEX LD™ Specifications

Upright Models

Model Number	Capacity		Recovery at 100°F Rise	Floor to Top of Heater	Jacket Dia.		Approx. Shipping Weight
	U.S. Gal.	U.S. GPH			in.	in.	
LE230S3-3	30	18	46 ⁷ / ₈	18	18	85	
LE240S3-3	40	18	46 ⁷ / ₈	20	103		
LE250S3-3	50	18	46 ¹ / ₂	22	130		
LE265T3-3	65	18	59 ¹ / ₄	22	156		
LE280T3-3	80	18	59 ¹ / ₄	24	183		
LE2120T3-3	119	18	62 ³ / ₄	28	305		

Utility Models

Model Number	Capacity		Recovery at 100°F Rise	Floor to Top of Heater	Jacket Dia.		Approx. Shipping Weight
	U.S. Gal.	U.S. GPH			in.	in.	
LE16U3-1	6	6	16 ¹ / ₂	14	33		
LE110U3-1	10	6	17 ¹ / ₂	16	48		
LE112T3-1	12	6	27 ³ / ₄	14	48		
LE115U3-1	15	6	20 ¹ / ₄	18	55		
LE120U3-1	19	6	24 ³ / ₄	18	59		

Lowboy Models

Model Number	Capacity		Recovery at 100°F Rise	Floor to Top of Heater	Jacket Dia.		Approx. Shipping Weight
	U.S. Gal.	U.S. GPH			in.	in.	
LE120L3-3	19	18	24 ³ / ₄	18	58		
LE130L3-3**	30	18	29 ³ / ₄	20	86		
LE140L3-3**	40	18	31 ¹ / ₄	22	115		
LE150L3-3**	47	18	31 ³ / ₄	24	143		

Wall Hung Models

Model Number	Capacity		Recovery at 100°F Rise	Floor to Top of Heater	Jacket Dia.		Approx. Shipping Weight
	U.S. Gal.	U.S. GPH			in.	in.	
LE16WV3-1	6	6	15 ³ / ₄	14	33		
LE112WV3-1	12	6	16 ³ / ₈	18	48		
LE120WV3-1	19	6	24 ³ / ₈	18	59		

Note: For additional voltage and wattage availability for all models please reference specification sheet or consult factory. These models are not recommended for sanitation purposes.

*Dual element models only. Single element models have ten inputs available from 1.5kW – 6kW. LE16U and LE112T have four inputs available from 1.5kW – 3kW.

** This Lowboy model is provided with an additional insulation blanket.

Easy On-Site Convertibility Makes ElectriFLEX Series™ Commercial Water Heaters the Solution for Almost Any Application.

ElectriFLEX MD™ (Medium Duty) Models

ElectriFLEX MD™ 3-Element models offer easy, on-the-job conversions of voltage, phase, and kW inputs. Eighteen conversion kits allow 54 model configurations. Designed to bridge the gap between our Light and Heavy Duty commercial electric models, the ElectriFLEX MD™ is a great choice for beauty salons, small restaurants, and office buildings. These units are available in capacities of 50, 80, and 119 gallons with inputs ranging from 6-18kW. They provide the added input required for mid-range commercial applications.

Key Features

- **18 Conversion Kits, Three Tank Sizes, and Two Phases Generate 108 Model Configurations**
- **INCOLOY® Elements Standard**
- **Direct Heat Transfer with Immersed Elements**
- **Fully Automatic Controls**
- **NSF Construction Available**
- **Hydrojet® Total Performance System**
- **Vitraglas® Lining for Superior Tank Protection**
- **T&P Relief Valve Installed**

ElectriFLEX MD™ Specifications

Model Number	Capacity	Recovery at 100°F Rise*	Floor to Top of Heater	Jacket Dia.	Approx. Shipping Weight
	U.S. Gal.	U.S. GPH	in.	in.	lbs.
E32-50S-3	50	74	46½	22	137
E32-80R-3	80	74	59	24	190
E32-120R-3	119	74	63	28¼	312

*Based on 18kW operation.



The ElectriFLEX Series™ models are perfect for nearly all new or replacement commercial applications, including Hotels, Apartments, Hospitals, Restaurants, and Office Buildings.

ElectriFLEX HD™ (Heavy Duty) Models

ElectriFLEX HD™ models easily convert to your exact requirements. They're available in 50, 80, and 119 gallon capacities and 12 different wattages so professionals have the solutions to any challenge. Just three ElectriFLEX HD™ models in each gallon capacity will cover all kW configurations and thereby reduce needed inventory. ElectriFlex HD™ models are perfect for large restaurants, health clubs, stadiums, schools, and just about anywhere large volumes of hot water are required.

Key Features

- **ETL Certified to be Quickly Converted On-Site to Your Requirements**
- **Immersion Thermostats for Accurate Temperature Control up to 180°F.**
- **12 Different Convertible Wattages from 6kW - 54kW**
- **Convertible from Three Phase to Single Phase**
- **Convertible Voltages Include 208V, 240V, 277V, 480V, & 600V**
- **Minimal Number of Voltage and kW Input Conversion Kits Allow a Maximum Number of Configurations**
- **Fully Automatic Controls**
- **INCOLOY® Elements Standard**
- **ASME or Non-ASME Construction Available**
- **Hand Hole Cleanout**
- **NSF Construction Available**
- **Hydrojet® Sediment Reduction System**
- **Vitraglas® Lining for Superior Tank Protection**
- **T&P Relief Valve Installed**

ElectriFLEX HD™ Specifications

Model Number	Capacity U.S. Gal.	Floor to Top of Heater in.	Jacket Dia. in.	Approx. Shipping Weight lbs.	
				STD.	ASME
CEHD50(A)-KW-3CF	50	50 ^{3/16}	24	270	302
CEHD80(A)-KW-3CF	80	60	26	335	378
CEHD120(A)-KW-3CF	119	64 ^{1/2}	30 ^{1/4}	430	485

GPH Recovery Capacities

kW Input	Temperature Rise								
	40°F	50°F	60°F	70°F	80°F	90°F	100°F	120°F	140°F
6	62	50	41	35	31	28	25	21	18
9	93	74	62	53	47	42	37	31	27
12	124	99	83	71	62	55	50	41	35
13.5	140	112	93	80	70	62	56	47	40
15	155	124	103	89	78	69	62	52	44
18	186	149	124	106	93	83	74	62	53
24	248	199	164	142	124	110	99	83	71
27	279	223	186	160	140	124	112	93	80
30	310	248	207	177	155	138	124	103	89
36	372	298	248	213	186	165	149	124	106
45	465	372	310	266	233	207	186	155	133
54	558	447	372	319	279	248	223	186	160



Conversion Kits

ElectriFLEX LD™ (Light Duty) Conversion Kits

Model		Desired Input			Conversion Kit Part Numbers							
		Total kW		Element kW	120 Volts	208 Volts	240 Volts	277 Volts	380 Volts	415 Volts	480 Volts	
		Simultaneous Max Wattage	Non-Simultaneous Max Wattage									
LE16U3-1	LE230S3-3	3.0	1.5	1.5	265-46409-01	265-46409-05	265-46409-13	265-46409-16	265-46409-24	265-46409-41	265-46409-32	
LE110U3-1	LE240S3-3	4.0	2.0	2.0	265-46409-02*	265-46409-06	265-46409-05	265-46409-17	265-46409-43	265-46409-24	265-46409-33	
LE112T3-1	LE250S3-3	5.0	2.5	2.5	265-46409-03*	265-46409-07	265-46409-06	265-46409-18	265-46409-25	265-46409-43	265-46409-34	
LE115U3-1	LE265T3-3	6.0	3.0	3.0	265-46409-04*	265-46409-08	265-46409-14	265-46409-19	265-46409-26	265-46409-25	265-46409-35	
LE120U3-1	LE280T3-3	7.0	3.5	3.5	N/A	265-46409-09	265-46409-07	N/A	265-46409-27	265-46409-26	N/A	
	LE2120T3-3	8.0	4.0	4.0	N/A	265-46409-10	265-46409-08	265-46409-20	265-46409-29	265-46409-27	265-46409-36	
LE16WV3-1	LE120L3-3	9.0	4.5	4.5	N/A	265-46409-11	265-46409-09	265-46409-21	265-46409-30	265-46409-28	265-46409-37	
LE112WV3-1	LE130L3-3	10.0	5.0	5.0	N/A	265-46409-12	265-46409-15	265-46409-22	265-46409-31	265-46409-29	265-46409-38	
LE120WV3-1	LE140L3-3	11.0	5.5	5.5	N/A	265-46409-46*	265-46409-10	265-46409-40	265-46409-44	265-46409-30	265-46409-42	
	LE150L3-3	12.0	6.0	6.0	N/A	265-46409-47*	265-46409-48*	265-46409-23	265-46409-45	265-46409-31	265-46409-39	

*These kits contain only one (1) element. These are non-simultaneous kits only.

ElectriFLEX MD™ (Medium Duty) Conversion Kits

Model	Desired Input		Conversion Kit Part Numbers		
	Total kW	Element kW	208 Volts	240 Volts	480 Volts
E32-50S-3	6.0	2.0	265-43942-13	265-43942-07	265-43942-01
	9.0	3.0	265-43942-14	265-43942-08	265-43942-02
E32-80R-3	12.0	4.0	265-43942-15	265-43942-09	265-43942-03
E32-120R-3	13.5	4.5	265-43942-16	265-43942-10	265-43942-04
	15.0	5.0	265-43942-17	265-43942-11	265-43942-05
	18.0	6.0	265-43942-18*	265-43942-12	265-43942-06

*265-43942-18 will require control box replacement (included in kit).
ElectriFLEX MD™ (Medium Duty) formerly known as TriFlex™.

ElectriFLEX HD™ (Heavy Duty) Conversion Kits

Model	Desired Input		Conversion Kit Part Numbers						
	Total kW	Element kW	208 Volts	240 Volts	277 Volts	380 Volts	415 Volts	480 Volts	600 Volts*
CEHD with 3 Elements	6	2	265-51043-73	265-51043-61	265-51043-49	265-51043-37	265-51043-25	265-51043-13	265-51043-01
	9	3	265-51043-74	265-51043-62	265-51043-50	265-51043-38	265-51043-26	265-51043-14	265-51043-02
	12	4	265-51043-75	265-51043-63	265-51043-51	265-51043-39	265-51043-27	265-51043-15	265-51043-03
	13.5	4.5	265-51043-76	265-51043-64	265-51043-52	265-51043-40	265-51043-28	265-51043-16	265-51043-04
	15	5	265-51043-77	265-51043-65	265-51043-53	265-51043-41	265-51043-29	265-51043-17	265-51043-05
	18	6	265-51043-78	265-51043-66	265-51043-54	265-51043-42	265-51043-30	265-51043-18	265-51043-06
CEHD with 6 Elements	24	4	265-51043-79	265-51043-67	265-51043-55	265-51043-43	265-51043-31	265-51043-19	265-51043-07
	27	4.5	265-51043-80	265-51043-68	265-51043-56	265-51043-44	265-51043-32	265-51043-20	265-51043-08
	30	5	265-51043-81	265-51043-69	265-51043-57	265-51043-45	265-51043-33	265-51043-21	265-51043-09
	36	6	265-51043-82	265-51043-70	265-51043-58	265-51043-46	265-51043-34	265-51043-22	265-51043-10
CEHD with 9 Elements	45	5	265-51043-83	265-51043-71	265-51043-59	265-51043-47	265-51043-35	265-51043-23	265-51043-11
	54	6	265-51043-84	265-51043-72	265-51043-60	265-51043-48	265-51043-36	265-51043-24	265-51043-12

*Only kW conversion is allowed for models rated 600V. Models rated 480V and below may not be converted to 600V.

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



EFLEXBRO 0716



Committed to American Manufacturing,
Wholesale Distribution, and Professional Installation.

