

ElectriFLEX LD™ (Light Duty) Commercial Wall Hung Electric Water Heater



Photo is of
LE16WW3-1

Bradford White ElectriFLEX LD™ Wall Hung Electric Models Feature:

- **Fully Automatic Thermostat Controls**—Fast acting surface-mount thermostat with high limit energy cut-off (manual reset) for safety.
- **Direct Heat Transfer With a Single Immersed Element**—Transfers heat directly and efficiently to the water. Screw-in style element.
- **Vitraglas® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Insulation System**—1" (25mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Factory Installed Heavy Duty Wall Mounting Bracket**—no additional brackets or modifications required.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections. Located on the bottom for easier installation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- **Voltages Available**—120V, 208V, 240V, 277V, 380V, 415V, 480V.
- **Single Phase Operation Only.**
- **Field Conversion Kits**—Change voltage, and kW in the field (see options on following page).
- **T&P Relief Valve**—Installed.



Copper Screw Type Immersion Element
(INCOLOY® type immersion element available upon request)



3 or 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. Some states do not allow limitations on warranties.

See complete copy of the warranty included with the heater.

ElectriFLEX LD™ (Light Duty) Commercial Wall Hung Electric Water Heater

ElectriFLEX LD™ Wall Hung Electric Models

C.E.C. Listed

Model Number	Nominal Gal. Capacity		Recovery at 100°F Rise*		A Height	B Jacket Dia.	C Wall to Front	D Height to Bracket	F Height to T&P Conn.	J C/L of Water Conn.	Water Conn. NPT	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	in.	lbs.
LE16WV3-1†	6	5	6	5	16 1/8	14	14 5/8	12	12	8	3/4	33
LE112WV3-1	12	10	6	5	16 1/2	18	18 5/8	12 1/2	13	8	3/4	48
LE120WV3-1	19	16	6	5	24 1/2	18	18 5/8	18 1/4	21	8	3/4	59

Model Number	Nominal Liter Capacity		Recovery at 56°C Rise*		A Height	B Jacket Dia.	C Wall to Front	D Height to Bracket	F Height to T&P Conn.	J C/L of Water Conn.	Water Conn. NPT	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
LE16WV3-1†	23	23	23	23	410	356	371	305	305	203	19	15
LE112WV3-1	45	45	23	23	419	457	473	318	330	203	19	22
LE120WV3-1	72	72	23	23	622	457	473	464	533	203	19	27

Specify wattage and voltage when ordering.

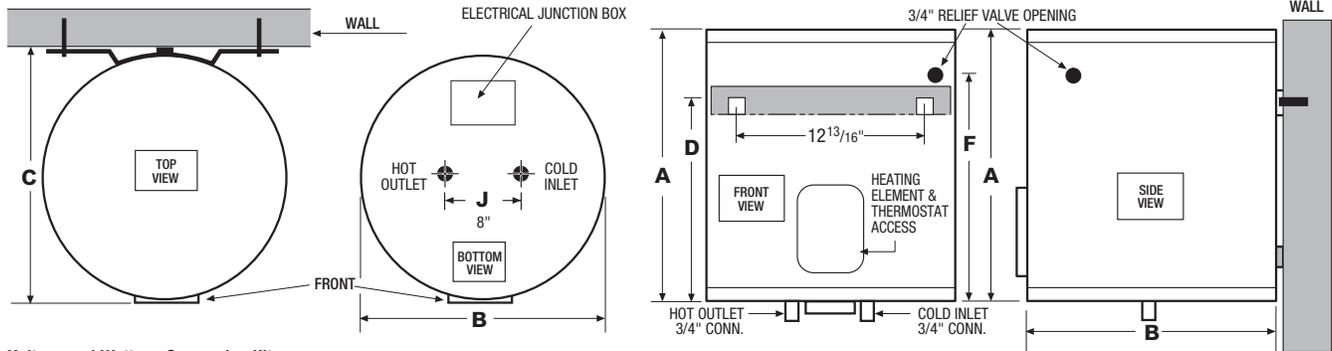
Use chart below for maximum wattages at certain voltages.

† Maximum wattage at any voltage is 3000W.

For 5 year models, change suffix "3" to "5". Single element only.

* Based on 1500W operation. NSF Kits available when ordering.

Wattage	Recovery ▲ GPH Temperature Rise °F					Wattage	Recovery ▲ LPH Temperature Rise °C				
	60	80	90	100	120		34	45	50	56	67
1500W	10	8	7	6	5	1500W	38	30	26	23	19
2000W	14	10	9	8	7	2000W	53	38	34	30	26
2500W	17	13	11	10	9	2500W	64	49	42	38	34
3000W	21	15	14	12	10	3000W	79	57	53	45	38
3500W	24	18	16	14	12	3500W	91	68	61	53	45
4000W	28	21	18	16	14	4000W	106	79	68	61	53
4500W	31	23	21	19	15	4500W	117	87	79	72	57
5000W	34	26	23	21	17	5000W	129	98	87	79	64
5500W	38	29	25	23	19	5500W	144	110	95	87	72
6000W	41	31	28	25	21	6000W	155	117	106	95	79



Voltage and Wattage Conversion Kits

Single Element Wattage	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W	415-46409-01	415-46409-05	415-46409-13	415-46409-16	415-46409-24	415-46409-41	415-46409-32
2000W	415-46409-02*	415-46409-06	415-46409-05	415-46409-17	415-46409-43	415-46409-24	415-46409-33
2500W	415-46409-03*	415-46409-07	415-46409-06	415-46409-18	415-46409-25	415-46409-43	415-46409-34
3000W	415-46409-04*	415-46409-08	415-46409-14	415-46409-19	415-46409-26	415-46409-25	415-46409-35
3500W	N/A	415-46409-09	415-46409-07	N/A	415-46409-27	415-46409-26	N/A
4000W	N/A	415-46409-10	415-46409-08	415-46409-20	415-46409-29	415-46409-27	415-46409-36
4500W	N/A	415-46409-11	415-46409-09	415-46409-21	415-46409-30	415-46409-28	415-46409-37
5000W	N/A	415-46409-12	415-46409-15	415-46409-22	415-46409-31	415-46409-29	415-46409-38
5500W	N/A	415-46409-46*	415-46409-10	415-46409-40**	415-46409-44	415-46409-30	415-46409-42**
6000W	N/A	415-46409-47*	415-46409-48*	415-46409-23	415-46409-45	415-46409-31	415-46409-39

Wattage Limitations	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W	yes	yes	yes	yes	yes	yes	yes
2000W	yes	yes	yes	yes	yes	yes	yes
2500W	yes	yes	yes	yes	yes	yes	yes
3000W	yes	yes	yes	yes	yes	yes	yes
3500W	no	yes	yes	no	yes	yes	no
4000W	no	yes	yes	yes	yes	yes	yes
4500W	no	yes	yes	yes	yes	yes	yes
5000W	no	yes	yes	yes	yes	yes	yes
5500W	no	yes	yes	no	yes	yes	no
6000W	no	yes	yes	yes	yes	yes	yes

Note: Left chart can be used to determine maximum wattage at certain voltages. **INCOLOY® element only. * 415-46409-02, -03, -04, -46, -47, & -48 contain only one element. These kits cannot be wired as simultaneous. These are non-simultaneous kits only. Except where noted above, each kit will include two replacement elements, two gaskets, a rating plate overlay and one set of instructions. For water heaters with only one element, please retain the extra element and gasket as a service part.

General:

All models are exempt from NAECA requirements and ASHRAE Standard 90.1b. All models ETL listed. These heaters are wired Single Phase, 120V with one 1500W element, unless otherwise specified. All water and electrical connections are 3/4" (19mm) NPT. All models certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). Applicable models CSA verified for energy performance in accordance with C191.1-M90.

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

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For field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 ■ Fax 215-641-1612

Technical Support 800-334-3393 ■ Email techserv@bradfordwhite.com

Warranty 800-531-2111 ■ Email warranty@bradfordwhite.com

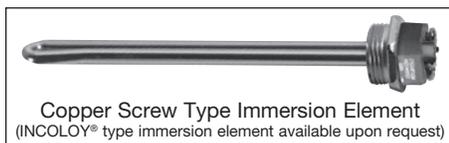
International: Telephone 1-215-641-9400 ■ Email international@bradfordwhite.com / www.bradfordwhite.com

Built to be the Best™

ElectriFLEX LD™ (Light Duty) Commercial Lowboy Electric Water Heater



Photo is of
LE120L3-3



Bradford White ElectriFLEX LD™ Lowboy Electric Models Feature:

- **Applications**—Lowboy models are ideal for installations where space is at a premium and are perfect for tight installations such as a closet or under a counter.
- **Fully Automatic Thermostat Controls**—Fast acting surface-mount thermostats with high limit energy cut-off (manual reset) for safety.
- **Direct Heat Transfer With Immersed Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Factory-Installed Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Insulation System**—1" (25mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Factory-Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- **Field Convertible**—Units are shipped from factory standard Three Phase, Non-Simultaneous and can be converted to Single Phase and/or Simultaneous operation in the field.
- **Field Conversion Kits**—Change voltage and kW in the field (see options on following page).
- **T&P Relief Valve Installed**—Side T&P is standard. Optional top T&P location is available and must be specified when ordering.



3 or 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

Commercial Electric Water Heater

ElectriFLEX LD™ Lowboy Electric Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

Model Number	Nominal Gal. Capacity		Recovery at 100°F Rise*		A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	F Floor to T&P Conn. ††	J C/L of Water Conn.	M Water Conn. NPT	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	lbs.
LE120L3-3†	19	16	18	15	24 3/4	18	25 3/4	19 1/4 / 24 7/8	8	3/4	58
LE130L3-3**	30	25	18	15	30	20	32 3/4	24 / 29 3/8	8	3/4	86
LE140L3-3**	40	33	18	15	32 13/16	22	33 3/4	24 3/8 / 31 3/4	8	3/4	115
LE150L3-3**	47	33	18	15	32 13/16	24	34 1/2	24 1/2 / 31 3/4	8	3/4	140

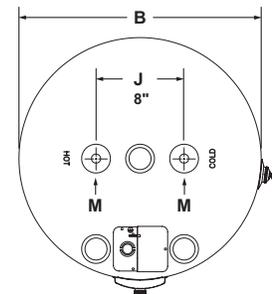
Model Number	Nominal Liter Capacity	Recovery at 56°C Rise*		A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	F Floor to T&P Conn. ††	J C/L of Water Conn.	M Water Conn. NPT	Approx. Shipping Weight
		Liters/Hour	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
LE120L3-3†	72	68	629	457	654	489 / 632	203	19	26	
LE130L3-3**	114	68	762	508	832	610 / 746	203	19	39	
LE140L3-3**	151	68	834	559	857	619 / 806	203	19	52	
LE150L3-3**	178	68	834	610	876	622 / 806	203	19	64	

Specify wattage and voltage when ordering. Use chart below for maximum wattages at certain voltages. **Models include supplied insulation blanket (2" (51mm) thick). Dimensions in charts above do not include blanket thickness. For 5 year models, change suffix "3" to "5". *Based on 4500W/4500W, Non-Simultaneous operation. NSF Kits available when ordering. †Exempt from ASHRAE 90.1b. †† All models feature side or top T&P location and must specify when ordering. "D" dimension listed as side/top.

Wattage Limitations for Non-Simultaneous and Simultaneous Operation	Voltage							
	120V	208V	240V	277V	380V	415V	480V	
1500W / 1500W	yes	yes	yes	yes	yes	yes	yes	
2000W / 2000W	no	yes	yes	yes	yes	yes	yes	
2500W / 2500W	no	yes	yes	yes	yes	yes	yes	
3000W / 3000W	no	yes	yes	yes	yes	yes	yes	
3500W / 3500W	no	yes	yes	no	yes	yes	no	
4000W / 4000W	no	yes	yes	yes	yes	yes	yes	
4500W / 4500W	no	yes	yes	yes	yes	yes	yes	
5000W / 5000W	no	yes	yes	yes	yes	yes	yes	
5500W / 5500W	no	no	yes	no	yes	yes	no	
6000W / 6000W	no	no	no	yes	yes	yes	yes	

Wattage	Recovery ▲ GPH Temperature Rise °F					Wattage	Recovery ▲ LPH Temperature Rise °C				
	60	80	90	100	120		34	45	50	56	67
1500W	10	8	7	6	5	1500W	38	30	26	23	19
2000W	14	10	9	8	7	2000W	53	38	34	30	26
2500W	17	13	11	10	9	2500W	64	49	42	38	34
3000W	21	15	14	12	10	3000W	79	57	53	45	38
3500W	24	18	16	14	12	3500W	91	68	61	53	45
4000W	28	21	18	16	14	4000W	106	79	68	61	53
4500W	31	23	21	18	15	4500W	117	87	79	68	57
5000W	34	26	23	21	17	5000W	129	98	87	79	64
5500W	38	29	25	23	19	5500W	144	110	95	87	72
6000W	41	31	28	25	21	6000W	155	117	106	95	79

▲ (GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)



Voltage and Wattage Conversion Kits

Simultaneous and Non-Simultaneous Wattage	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W / 1500W	415-46409-01	415-46409-05	415-46409-13	415-46409-16	415-46409-24	415-46409-41	415-46409-32
2000W / 2000W	N/A	415-46409-06	415-46409-05	415-46409-17	415-46409-43	415-46409-24	415-46409-33
2500W / 2500W	N/A	415-46409-07	415-46409-06	415-46409-18	415-46409-25	415-46409-43	415-46409-34
3000W / 3000W	N/A	415-46409-08	415-46409-14	415-46409-19	415-46409-26	415-46409-25	415-46409-35
3500W / 3500W	N/A	415-46409-09	415-46409-07	N/A	415-46409-27	415-46409-26	N/A
4000W / 4000W	N/A	415-46409-10	415-46409-08	415-46409-20	415-46409-29	415-46409-27	415-46409-36
4500W / 4500W	N/A	415-46409-11	415-46409-09	415-46409-21	415-46409-30	415-46409-28	415-46409-37
5000W / 5000W	N/A	415-46409-12	415-46409-15	415-46409-22	415-46409-31	415-46409-29	415-46409-38
5500W / 5500W	N/A	N/A	415-46409-10	415-46409-40**	415-46409-44	415-46409-30	415-46409-42**
6000W / 6000W	N/A	N/A	N/A	415-46409-23	415-46409-45	415-46409-31	415-46409-39

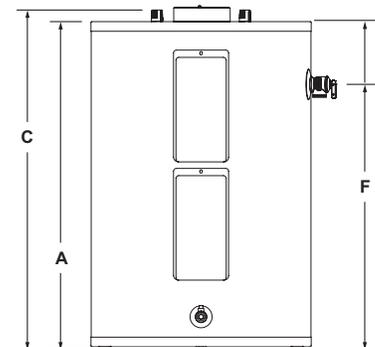
Note: Above chart can be used to determine maximum wattage at certain voltages. **INCOLOY® element only.

Each kit will include two replacement elements, two gaskets, a rating plate overlay and one set of instructions. For water heaters with only one element, please retain the extra element and gasket as a service part.

General:

All models are exempt from NAECA requirements. All models ETL listed. These heaters are wired inter-locking (Non-Simultaneous, Three Phase) 240V with two 4500W elements, unless otherwise specified. All water connections are 3/4" NPT (19mm). All electrical connections are 3/4" (19mm). All models certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa.)

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



— BRADFORD WHITE IS —



For field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 ■ Fax 215-641-1612

Technical Support 800-334-3393 ■ Email techserv@bradfordwhite.com

Warranty 800-531-2111 ■ Email warranty@bradfordwhite.com

International: Telephone 1-215-641-9400 ■ Email international@bradfordwhite.com / www.bradfordwhite.com

Built to be the Best™

ElectriFLEX LD™ (Light Duty) Commercial Utility Electric Water Heater



Photo is of
LE112T3-1

Bradford White ElectriFLEX LD™ Utility Electric Models Feature:

- **Fully Automatic Thermostat Controls**—Fast acting surface-mount thermostat with high limit energy cut-off (manual reset) for safety.
- **Direct Heat Transfer With a Single Immersed Element**—Transfers heat directly and efficiently to the water. Screw-in style element.
- **Vitraglas® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Insulation System**—1" (25mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections. Located on the side for easier installation (Fittings packaged separately inside carton).
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- **Voltages Available**—120V, 208V, 240V, 277V, 380V, 415V, 480V.
- **Single Phase Operation Only.**
- **Field Conversion Kits**—Change voltage, and kW in the field (see options on following page).
- **T&P Relief Valve**—Installed.



Copper Screw Type Immersion Element
(INCOLOY® type immersion element available upon request)



3 or 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

ElectriFLEX LD™ (Light Duty) Commercial Utility Electric Water Heater

ElectriFLEX LD™ Utility Electric Models

C.E.C. Listed

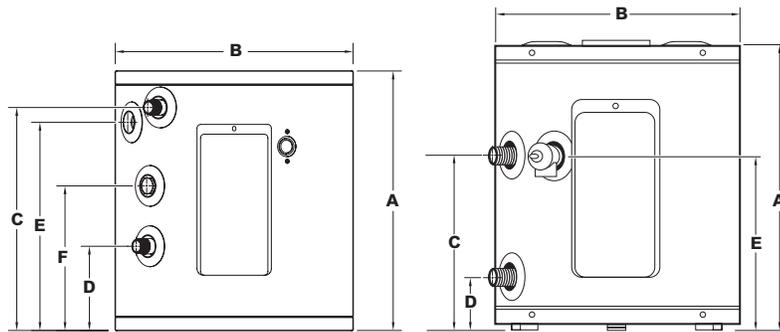
Model Number	Nominal Gal. Capacity		Recovery at 100°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to C/L of Hot Water Conn. in.	D Floor to C/L of Cold Water Conn. in.	E Floor to T&P Conn. in.	F Floor to Anode Rod in.	Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH								
LE16U3-1†	6	5	6	5	16½	14	10½	3⅛	10⅛	N/A	¾	33
LE110U3-1	10	8	6	5	17½	16	15	5⅛	14	9⅛	¾	48
LE112T3-1†	12	10	6	5	27¾	14	21⅛	3	21⅛	N/A	¾	48
LE115U3-1	15	13	6	5	20¼	18	17¾	6⅛	16¾	10⅛	¾	55
LE120U3-1	19	16	6	5	24¾	18	18½	3	18½	N/A	¾	59

Model Number	Nominal Liter Capacity		Recovery 56°C Rise* Liters/ Hour	A Floor to Top of Heater mm.	B Jacket Dia. mm.	C Floor to C/L of Hot Water Conn. mm.	D Floor to C/L of Cold Water mm.	E Floor to T&P Conn. mm.	F Floor to Anode Rod mm.	Water Conn. NPT mm.	Approx. Shipping Weight kg.
LE16U3-1†	23	23	23	419	356	257	79	257	N/A	19	15
LE110U3-1	38	23	23	445	406	381	144	355	246	19	22
LE112T3-1†	45	23	23	705	356	537	76	537	N/A	19	22
LE115U3-1	57	23	23	514	457	451	156	425	257	19	25
LE120U3-1	72	23	23	629	457	470	76	470	N/A	19	27

Specify wattage and voltage when ordering. Use chart below for maximum wattages at certain voltages.

† Maximum wattage at any voltage is 3000W. For 5 year models, change suffix "3" to "5".

Single element only. *Based on 1500W operation. NSF Kits available when ordering.



10 & 15 Gallon Models

6, 12, & 20 Gallon Models

Wattage	Recovery ▲ Temperature Rise °F					Wattage	Recovery ▲ Temperature Rise °C				
	60	80	90	100	120		34	45	50	56	67
1500W	10	8	7	6	5	1500W	38	30	26	23	19
2000W	14	10	9	8	7	2000W	53	38	34	30	26
2500W	17	13	11	10	9	2500W	64	49	42	38	34
3000W	21	15	14	12	10	3000W	79	57	53	45	38
3500W	24	18	16	14	12	3500W	91	68	61	53	45
4000W	28	21	18	16	14	4000W	106	79	68	61	53
4500W	31	23	21	19	15	4500W	117	87	79	72	57
5000W	34	26	23	21	17	5000W	129	98	87	79	64
5500W	38	29	25	23	19	5500W	144	110	95	87	72
6000W	41	31	28	25	21	6000W	155	117	106	95	79

Voltage and Wattage Conversion Kits

Single Element Wattage	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W	415-46409-01	415-46409-05	415-46409-13	415-46409-16	415-46409-24	415-46409-41	415-46409-32
2000W	415-46409-02*	415-46409-06	415-46409-05	415-46409-17	415-46409-43	415-46409-24	415-46409-33
2500W	415-46409-03*	415-46409-07	415-46409-06	415-46409-18	415-46409-25	415-46409-43	415-46409-34
3000W	415-46409-04*	415-46409-08	415-46409-14	415-46409-19	415-46409-26	415-46409-25	415-46409-35
3500W	N/A	415-46409-09	415-46409-07	N/A	415-46409-54	415-46409-26	N/A
4000W	N/A	415-46409-49	415-46409-08	415-46409-20	415-46409-56	415-46409-54	415-46409-36
4500W	N/A	415-46409-11	415-46409-09	415-46409-51	415-46409-57	415-46409-55	415-46409-59
5000W	N/A	415-46409-50	415-46409-15	415-46409-52	415-46409-58	415-46409-56	415-46409-38
5500W	N/A	415-46409-65*	415-46409-49	415-46409-61**	415-46409-63	415-46409-57	415-46409-62**
6000W	N/A	415-46409-66*	415-46409-48*	415-46409-53	415-46409-64	415-46409-58	415-46409-60

Wattage Limitations	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W	yes	yes	yes	yes	yes	yes	yes
2000W	yes	yes	yes	yes	yes	yes	yes
2500W	yes	yes	yes	yes	yes	yes	yes
3000W	yes	yes	yes	yes	yes	yes	yes
3500W	no	yes	yes	no	yes	yes	no
4000W	no	yes	yes	yes	yes	yes	yes
4500W	no	yes	yes	yes	yes	yes	yes
5000W	no	yes	yes	yes	yes	yes	yes
5500W	no	yes	yes	no	yes	yes	yes
6000W	no	yes	yes	yes	yes	yes	yes

Note: Above chart can be used to determine maximum wattage at certain voltages. **INCOLOY® element only. * 415-46409-02, -03, -04, -48, -65, & -66 contain only one element. These kits cannot be wired as simultaneous. These are non-simultaneous kits only. Except where noted above, each kit will include two replacement elements, two gaskets, a rating plate overlay and one set of instructions. For water heaters with only one element, please retain the extra element and gasket as a service part.

General:

All models are exempt from NAECA requirements and ASHRAE Standard 90.1b. All models ETL listed. These heaters are wired Single Phase, 120V with one 1500W element, unless otherwise specified. All water and electrical connections are 3/4" (19mm) NPT. All models certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). Applicable models CSA verified for energy performance in accordance with C191.1-M90.

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

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For field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 ■ Fax 215-641-1612

Technical Support 800-334-3393 ■ Email techserv@bradfordwhite.com

Warranty 800-531-2111 ■ Email warranty@bradfordwhite.com

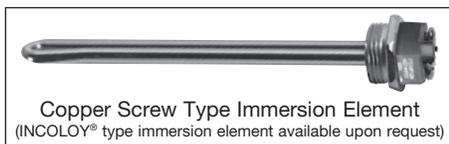
International: Telephone 1-215-641-9400 ■ Email international@bradfordwhite.com / www.bradfordwhite.com

Built to be the Best™

ElectriFLEX LD™ (Light Duty) Commercial Upright Electric Water Heater



Photo is of
LE250S3-3



Bradford White ElectriFLEX LD™ Upright Electric Models Feature:

- **Fully Automatic Thermostat Controls**—Fast acting surface-mount thermostats with high limit energy cut-off (manual reset) for safety.
- **Direct Heat Transfer With Immersed Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Factory-Installed Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Insulation System**—2" (51mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections (LE2120T has 1" (25mm) NPT dielectric waterway fittings).
- **Factory-Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation (Except LE2120T).
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- **Field Convertible**—Units are shipped from factory standard Three Phase, Non-Simultaneous and can be converted to Single Phase and/or Simultaneous operation in the field.
- **Field Conversion Kits**—Change voltage and kW in the field (see options on following page).
- **T&P Relief Valve Installed**—All models have special tapping on top of tank.



3 or 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

Commercial Electric Water Heater

ElectriFLEX LD™ Upright Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

Model Number	Nominal Gal. Capacity		Recovery at 100°F Rise*		A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	J C/L of Water Conn.	M Water Conn. NPT	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	lbs.
LE230S3-3	30	25	18	15	47 ¹ / ₈	18	47 ³ / ₄	47 ⁷ / ₁₆	8	3/4	85
LE240S3-3	40	33	18	15	47 ⁵ / ₈	20	48 ³ / ₄	49 ³ / ₈	8	3/4	103
LE250S3-3	50	42	18	15	47 ⁵ / ₈	22	48 ⁹ / ₁₆	49 ¹ / ₈	8	3/4	130
LE265T3-3	65	54	18	15	60	22	61	61 ⁹ / ₁₆	8	3/4	156
LE280T3-3	80	67	18	15	60	24	61	61 ⁹ / ₁₆	8	3/4	183
LE2120T3-3	119	99	18	15	63	28	64 ¹³ / ₁₆	62 ⁵ / ₁₆	8	1	305

Model Number	Nominal Liter Capacity	Recovery at 56°C Rise*		A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	J C/L of Water Conn.	M Water Conn. NPT	Approx. Shipping Weight
		Liters/ Hour		mm.	mm.	mm.	mm.	mm.	mm.	kg.
LE230S3-3	114	68		1197	457	1213	1205	203	19	39
LE240S3-3	151	68		1210	508	1238	1203	203	19	47
LE250S3-3	189	68		1210	559	1233	1248	203	19	59
LE265T3-3	246	68		1524	559	1549	1564	203	19	71
LE280T3-3	303	68		1524	610	1549	1564	203	19	83
LE2120T3-3	450	68		1600	711	1646	1583	203	25	138

Specify wattage and voltage when ordering. Use chart below for maximum wattages at certain voltages For 5 year models, change suffix "3" to "5". *Based on 4500W/4500W, Non-Simultaneous operation. NSF Kits available when ordering.

Wattage Limitations for Non-Simultaneous and Simultaneous Operation	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W / 1500W	yes	yes	yes	yes	yes	yes	yes
2000W / 2000W	no	yes	yes	yes	yes	yes	yes
2500W / 2500W	no	yes	yes	yes	yes	yes	yes
3000W / 3000W	no	yes	yes	yes	yes	yes	yes
3500W / 3500W	no	yes	yes	no	yes	yes	no
4000W / 4000W	no	yes	yes	yes	yes	yes	yes
4500W / 4500W	no	yes	yes	yes	yes	yes	yes
5000W / 5000W	no	yes	yes	yes	yes	yes	yes
5500W / 5500W	no	no	yes	no	yes	yes	no
6000W / 6000W	no	no	no	yes	yes	yes	yes

Wattage	Recovery ▲ GPH Temperature Rise °F					Wattage	Recovery ▲ LPH Temperature Rise °C				
	60	80	90	100	120		34	45	50	56	67
1500W	10	8	7	6	5	1500W	38	30	26	23	19
2000W	14	10	9	8	7	2000W	53	38	34	30	26
2500W	17	13	11	10	9	2500W	64	49	42	38	34
3000W	21	15	14	12	10	3000W	79	57	53	45	38
3500W	24	18	16	14	12	3500W	91	68	61	53	45
4000W	28	21	18	16	14	4000W	106	79	68	61	53
4500W	31	23	21	18	15	4500W	117	87	79	68	57
5000W	34	26	23	21	17	5000W	129	98	87	79	64
5500W	38	29	25	23	19	5500W	144	110	95	87	72
6000W	41	31	28	25	21	6000W	155	117	106	95	79

▲(GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)

Voltage and Wattage Conversion Kits

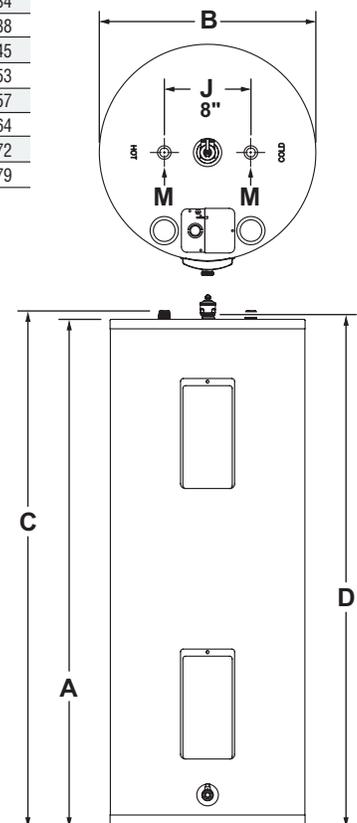
Simultaneous and Non-Simultaneous Wattage	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W / 1500W	415-46409-01	415-46409-05	415-46409-13	415-46409-16	415-46409-24	415-46409-41	415-46409-32
2000W / 2000W	N/A	415-46409-06	415-46409-05	415-46409-17	415-46409-43	415-46409-24	415-46409-33
2500W / 2500W	N/A	415-46409-07	415-46409-06	415-46409-18	415-46409-25	415-46409-43	415-46409-34
3000W / 3000W	N/A	415-46409-08	415-46409-14	415-46409-19	415-46409-26	415-46409-25	415-46409-35
3500W / 3500W	N/A	415-46409-09	415-46409-07	N/A	415-46409-27	415-46409-26	N/A
4000W / 4000W	N/A	415-46409-10	415-46409-08	415-46409-20	415-46409-29	415-46409-27	415-46409-36
4500W / 4500W	N/A	415-46409-11	415-46409-09	415-46409-21	415-46409-30	415-46409-28	415-46409-37
5000W / 5000W	N/A	415-46409-12	415-46409-15	415-46409-22	415-46409-31	415-46409-29	415-46409-38
5500W / 5500W	N/A	N/A	415-46409-10	415-46409-40**	415-46409-44	415-46409-30	415-46409-42**
6000W / 6000W	N/A	N/A	N/A	415-46409-23	415-46409-45	415-46409-31	415-46409-39

Note: Chart can be used to determine maximum wattage at certain voltages. **INCOLOY® element only. Each kit will include two replacement elements, two gaskets, a rating plate overlay and one set of instructions. For water heaters with only one element, please retain the extra element and gasket as a service part.

General:

All models are exempt from NAECA requirements. All models ETL listed. These heaters are wired interlocking (Non-Simultaneous, Three Phase) 240V with two 4500W elements, unless otherwise specified. All water and electrical connections are 3/4" NPT (19mm), 120 gallon (454L) model has 1" NPT (25mm). All models certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa.)

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



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Warranty 800-531-2111 ■ Email warranty@bradfordwhite.com

International: Telephone 1-215-641-9400 ■ Email international@bradfordwhite.com / www.bradfordwhite.com

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