

LAARS Commercial U.H.E. Series

ULTRA HIGH EFFICIENCY COMMERCIAL GAS WATER HEATERS.

Our Best Just Got Bigger...and Better.
Now Available in 119 Gallon Capacity.



- Available inputs of 399,999 and 499,000 BTU/Hr.
- New improvements for easier installation, maintenance and reduced downtime including:
 - Optional top water outlet
 - Front-located exhaust
 - Powered anode rods
 - Ideally-located space heating connections
 - Prominently-positioned digital control display
- With 119-gallon capacity, the U.H.E. Series now provides additional options for high-demand needs. Specifiers and engineers can recommend the proven performance of the U.H.E. Series for ALL their commercial customers.

DELIVERING WHAT YOU'D EXPECT FROM THE U.H.E. SERIES

U.H.E. Series Efficiency. Fully condensing design with 94% Thermal Efficiency.

U.H.E. Series Quality. Superior glass enamel lining. Durable, tamper-proof brass drain valves.

Proven U.H.E. Series Performance. Down-fired premix power burner for efficient heating. A digital control system for accurate temperature control. High recovery rates. Ultra quiet operation.



LAARS
Heating Systems Company
A subsidiary of BRADFORD WHITE Corporation
www.laars.com

LAARS Commercial U.H.E. Series

QUALITY ENGINEERING FROM TOP TO BOTTOM.

- 1 DOWN-FIRED PREMIX POWER BURNER**
Automatically regulates fuel flow for optimum combustion.
- 2 SUBMERGED COMBUSTION CHAMBER**
Minimizes radiant heat loss for better efficiency.
- 3 ELECTRONIC CONTROLS**
Single control board with a digital LCD display.
- 4 THREE PASS HEAT EXCHANGER SYSTEM**
Provides maximum heat transfer surface area.
- 5 FACTORY INSTALLED SEDIMENT REDUCTION SYSTEM**
Provides longer life and better performance.



THE COMMERCIAL LUHE120T MODELS

Model Number	Nominal Gal. Capacity	Input	Therm. Eff.	A Floor to Top of Heater	B Jacket Dia.	C Floor to Front Hot Water Conn.	D Floor to Cold Water Conn.	E Floor to Gas Conn.	F Floor to Vent Conn.	G Floor to Air Intake Conn.	H Floor to T&P Conn.	J Floor to Top Hot Water Conn.	Water Conn. Dia.	Gas Conn. Dia.	Relief Valve Conn.	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	BTU/Hr. Input	%	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.
LUHE120T4003N(A)	119	99	399,999	94.0	77 ¹ / ₈	33	61 ¹ / ₄	12 ¹ / ₄	73 ⁷ / ₈	6 ³ / ₄	71	58 ¹ / ₂	72 ¹ / ₂	1 ¹ / ₂	1	1,120
LUHE120T5003N(A)	119	99	499,000	94.0	77 ¹ / ₈	33	61 ¹ / ₄	12 ¹ / ₄	74 ⁷ / ₈	6 ³ / ₄	71	58 ¹ / ₂	72 ¹ / ₂	1 ¹ / ₂	1	1,135

Model Number	Nominal Liter Capacity	Input	Therm. Eff.	A Floor to Top of Heater	B Jacket Dia.	C Floor to Front Hot Water Conn.	D Floor to Cold Water Conn.	E Floor to Gas Conn.	F Floor to Vent Conn.	G Floor to Air Intake Conn.	H Floor to T&P Conn.	J Floor to Top Hot Water Conn.	Water Conn. Dia.	Gas Conn. Dia.	Relief Valve Conn.	Approx. Shipping Weight
		kW/Hr. Input	%	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kgs.
LUHE120T4003N(A)	450	117.2	94.0	1959	838	1556	311	1877	171	1804	1486	1842	38	25	25	508
LUHE120T5003N(A)	450	146.5	94.0	1959	838	1556	311	1902	171	1804	1486	1842	38	25	25	515

Recovery Data

Model Number	GPH Recovery at Degree Rise*												LPH Recovery at Degree Rise*											
	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F	17°C	22°C	28°C	33°C	39°C	44°C	50°C	56°C	61°C	67°C	72°C	78°C
LUHE120T4003N(A)	1520	1140	912	760	651	570	507	456	414	380	351	326	5754	4315	3452	2877	2464	2158	1919	1726	1567	1438	1329	1234
LUHE120T5003N(A)	1893	1420	1136	947	811	710	631	568	516	473	437	406	7166	5375	4300	3585	3070	2688	2389	2150	1953	1790	1654	1537

* = Recoveries are based on listed AHRI Thermal Efficiencies. Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

