

Medium duty ultra low NO_x gas commercial water heaters meet 14 ng/J NO_x requirements and are designed for greater installation flexibility

Features and Benefits

The tighter the commercial retrofit, the more you will appreciate how this water heater's compact size simplifies installations. Designed for maximum temperature settings of 180° F.

Self-Diagnostic System

Integrated system control for easy installation and service

Ultra Low NO_x Burner

The self-powered burner design incorporates stainless steel multi-port burner tubes for long term ultra low NO_x performance, less than 14 ng/J. A sight glass allows for burner observation. The entire burner is removable and easily serviceable.

Patented Protection

Proprietary steel formulation with a unique coat of high temperature porcelain enamel to maximize corrosion resistance resulting in a superior tank design.

Patented Anode Rods

Premium grade anode rods are used to ensure corrosion resistance for a long tank life.

Efficiency

Rigid foam insulation provides superior insulating qualities, improves efficiency and reduces operating costs. Our patented process of injecting foam into the insulating cavity adds additional durability.

High Altitude Compliant

All models are certified for installation up to 10,000 feet above sea level.

CSA/ASME Rated T&P Valve

Factory installed relief valve

Full Port, Full Flow Brass Drain Valve

Factory installed brass drain valve allows for faster draining and servicing.

Plus

Side water connections for space heating applications

Standard replacement parts

Warranty

3-Year limited tank and 1-year limited parts warranty

See Commercial Warranty Certificate for complete information

Safety and Construction | These products are design certified by CSA Laboratories: a) For operation at 180°F. b) To meet all safety and construction requirements of ANSI Z21.10.1/ANSI Z21.10.3. c) As an automatic storage water heater. d) For operation of combustible floors and alcove installations. e) Or combination water heating and space heating applications. **Certified for 150 PSI maximum working pressure.**



Richmond Medium Duty Ultra Low NO_x

75 and 98-Gallon Capacities
75,100 BTU/h
Natural Gas



Low Lead Content

RECOVERY CAPACITIES Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at various temperature rises												
MODEL NUMBER	INPUT (BTU/H) NATURAL	UNITS	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F
			(22°C)	(28°C)	(33°C)	(39°C)	(45°C)	(50°C)	(56°C)	(61°C)	(67°C)	(72°C)
G75UN-EC	75,100	GPH	182	146	121	104	91	81	73	66	61	56
		LPH	690	552	460	394	345	307	276	251	230	212
G100UN-EC	75,100	GPH	182	146	121	104	91	81	73	66	61	56
		LPH	690	552	460	394	345	307	276	251	230	212

MAXIMUM DELIVERY Delivery in U.S. Gallons and Liters. (Includes useable storage and recovery for indicated times)															
MODEL NUMBER	CAPACITY		INPUT (BTU/H) NATURAL GAS	TEMP. RISE	UNITS	5	10	15	20	30	45	60	120	180	MIN. TO REC. CONTENTS
	GALS	LITERS				MIN.	MIN.	MIN.	MIN.	MIN.	MIN.	MIN.	MIN.		
G75UN-EC	75	284	75,100	100 °F	GAL	59	65	71	77	89	107	125	198	271	62
				55.6 °C	LTR	224	246	267	292	337	405	474	750	1027	
G100UN-EC	98	371	75,100	100 °F	GAL	75	81	87	93	105	123	141	214	287	81
				55.6 °C	LTR	283	306	329	352	398	467	536	812	1088	

DIMENSIONAL INFORMATION All dimensions in English and Metric units												
MODEL NUMBER	UNITS	HT. TO VENT A	TANK HEIGHT B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CTR F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	FRONT TO BACK I	SHIP WEIGHT	
G75UN-EC	inches	64	60	26-1/4	14-1/4	4	11	52-1/4	1	30-1/4	315 Lbs	
	mm	1626	1524	667	362	102	279	1327	25	768	-	
G100UN-EC	inches	67-7/8	64	27-1/4	14-1/4	4	11	57-3/8	1	31-1/8	356 Lbs	
	mm	1724	1626	692	362	102	279	1457	25	790	-	

Recommended Specifications

Water heater(s) shall be model _____, manufactured by Richmond, having gas input of _____ BTU/h and a recovery rate of _____ GPH at a 100°F temperature rise. Water heater(s) shall have the CSA seal of certification and be factory equipped with an CSA/ASME rated temperature and pressure relief valve. Tank(s) shall have a coating of high temperature porcelain enamel and furnished with a magnesium anode rod rigidly supported and a brass drain valve. Water heater(s) shall meet or exceed the Department of Energy and ASHRAE efficiency requirement. Tanks shall have a working pressure rating of 150 psi, and shall be completely factory assembled, including a pressure regulator properly adjusted for operation on _____ gas. Controls will be arranged for safety shutoff in event of pilot failure. Complete unit shall be insulated with rigid polyurethane foam insulation.

