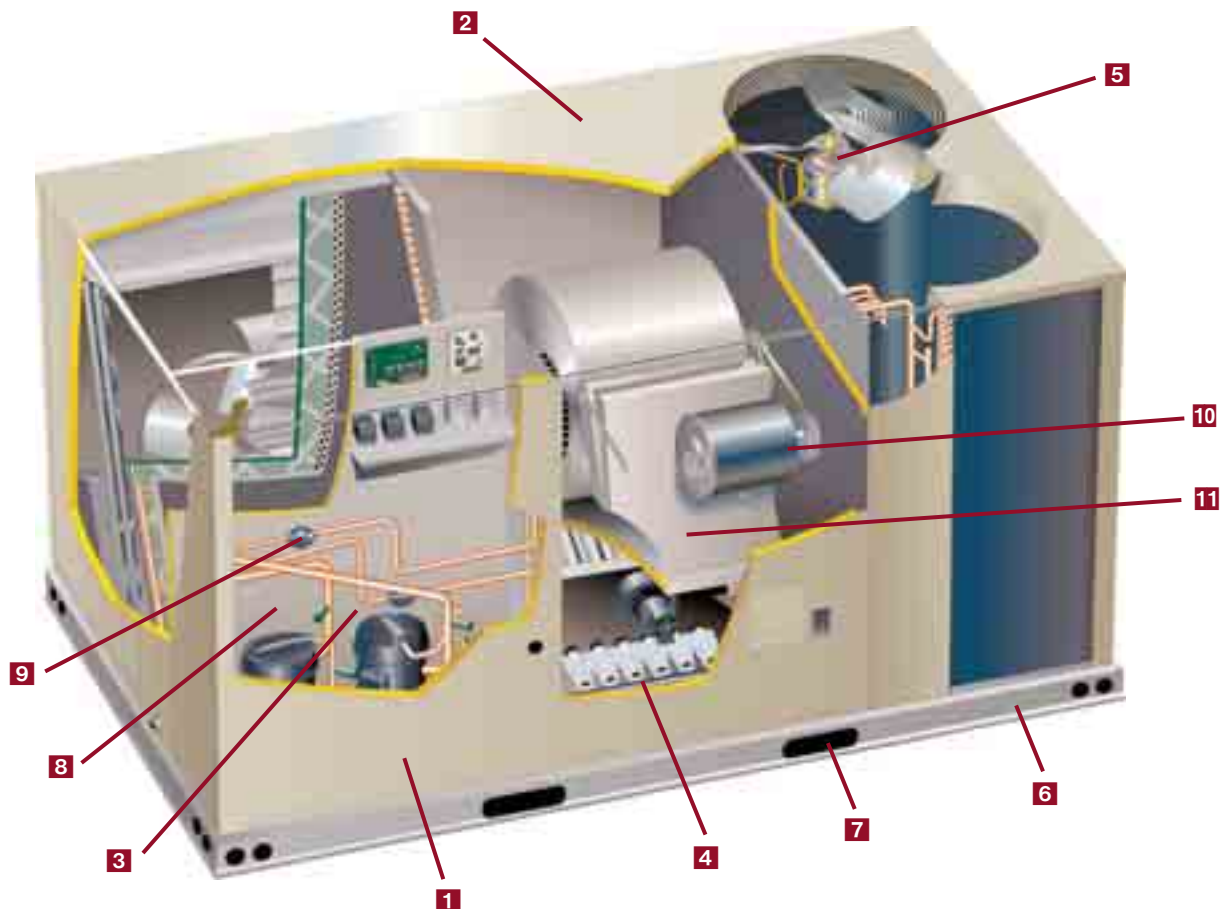


PERFORMANCE LIKE YOU'VE NEVER IMAGINED



Easy to install and maintain

- 1 "Easy-access" panels**—Remove easily for quick access to the compressor, refrigerant components and electrical controls.
- 6 Full-perimeter base rail**—Provides greater structural integrity, so the unit is easier to handle when rigging and transporting.
- 7 Fork slots on three sides**—Easy to pick up and transport units from almost any angle.
- 8 Isolated compressor compartment**—Allows performance check during normal compressor operation without disrupting airflow.
- 11 Slide-out blower deck**—Improves service access for blower and motor.

High-performance components

- 2 Corrosion-resistant cabinet**—G-90 galvanized steel cabinet under a two-layer surface protects against rust and corrosion.

- 3 Multiple compressor circuits**—Allow the unit to provide efficient heating and cooling.
- 4 Direct spark ignition**—Electronic ignition eliminates standing pilot and enhances efficiency (packaged gas/electric model only).
- 5 Independent motor mount**—Allows for easy and efficient service access without removing the top panel.
- 9 Thermostatic expansion valves**—Provide peak cooling performance across the entire application range.
- 10 Pre-defined supply fan motor/drive combinations**—Make selecting components to meet static and airflow requirements quick and easy.

PERFORMANCE THAT'S BUILT TO LAST

Lennox' T-Class™ rooftop units at a glance:

High-performance units with multiple cooling and heating stages improve and create a better indoor environment

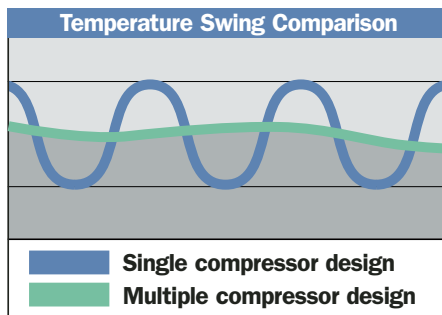
High-efficiency models and energy-saving accessories help reduce energy costs

Reliable, long-lasting construction and excellent warranties guard against unexpected replacement and maintenance costs

Common components and easy-to-maintain units increase service employee productivity

Depots around the U.S. stock a wide range of preconfigured units for fast, dependable delivery

Lennox' T-Class rooftop units are engineered for true performance and durability, helping create a better indoor environment.



Designed for solid performance and long-lasting reliability, these units meet the basic needs of most jobs without compromising comfort or quality. Evenly divided, multiple compressor circuits can be staged for just the right amount of heating and cooling, preventing temperature swings and keeping employees and customers comfortable, while using just the amount of energy needed.

Energy-saving performance

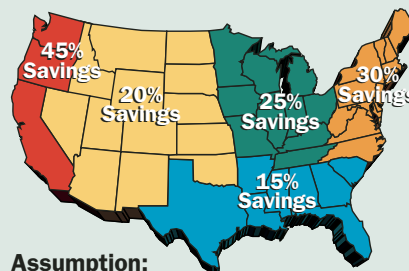
Lennox' T-Class standard-efficiency rooftop units comply with energy efficiency requirements of ASHRAE 90.1-2001, so they use less energy than older standard-efficiency units. For an even higher level of energy savings, ENERGY STAR® -qualified high-efficiency units are also available. Optional accessories such as economizers and energy recovery systems reduce energy spending even more.

By combining advanced design with high-quality construction and extensive warranties to guard against unexpected replacement and maintenance costs, Lennox' T-Class units provide true comfort and value.

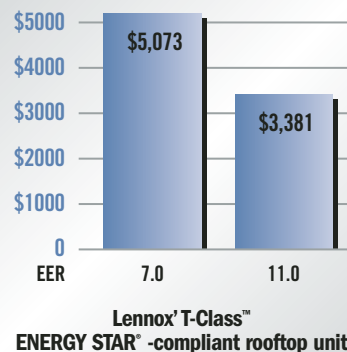
SLASH ENERGY COSTS

Installing units with economizers helps save energy by allowing outdoor air to be used for cooling.

Approximate by Location



3-Year Cooling Cost



Illustrates the 3-year cooling cost of operating a 10-ton Lennox T-Class™ TG rooftop unit versus a unit with lower efficiency ratings. Actual cost will vary depending on the weather, local fuel rates and other factors:

- Utility rate source:** U.S. Department of Energy national average energy rates
- Building type:** Retail
- City:** Kansas City
- Software:** Lennox Lifecycle Cost Calculator, version 3.0

Efficiency Rating

Up to 11.0 Energy Efficiency Rating (EER) and 11.4 Integrated Part Load Value (IPLV)

Warranty

10-year limited warranty
on heat exchanger

5-year limited warranty
on compressor

1-year limited warranty
on remaining covered components

Better application solutions and unit control

Lennox' T-Class™ units are designed to provide dependable, efficient control over comfort needs year-round. With capacities ranging from 7.5 to 12.5 tons and efficiencies up to 11.0 EER, these units provide excellent value and a wide range of options. Thermal expansion valves offer better cooling and dehumidification over the entire application range for improved comfort. Field-installed economizers minimize mechanical cooling hours and save energy by using outdoor air when applicable.

For replacement jobs where tight ductwork might increase static requirements, supply fans feature high-static capabilities. To provide a higher level of control, each of these units can be linked to Lennox' L Connection® Network to create a single source of contact for complete control of the HVAC system and many building functions.

Depend on Lennox for years of comfort

Designed to operate trouble-free for years to come, Lennox' T-Class units feature durable construction and heavy-gauge G-90 galvanized steel cabinets with two layers of paint for rust and corrosion protection. Multiple, scroll compressor circuits were designed to operate dependably over the typical 15-year life of the unit and easy-access features such as a slide-out blower deck were developed to reduce costs associated with service.

Like all Lennox® HVAC products, the T-Class units were built according to demanding ISO 9001-2000 quality standards and all feature extensive warranties to help guard against unplanned service expenses. Every unit is 100% run-tested at the factory to assure dependable start-up.

A wide range of units are ready for fast delivery or pick-up at commercial depots across North America. For jobs with adequate lead times, factory-installed options including coil corrosion protection and high and low static supply fan motors can also be ordered. This level of service and engineering makes Lennox' T-Class units the right choice to provide extraordinary value and comfort.

TIME- AND MONEY- SAVING FEATURES

- Thermal expansion valves standard
- Easily accessible service components
- Multiple cooling and heating stages
- Easy-to-install accessories
- Available economizers for improved energy savings



Partner of the Year

Choose ENERGY STAR®-qualified products to reduce energy spending and conserve natural resources. Lennox has developed a wide range of products that meet ENERGY STAR guidelines for energy efficiency.



TGA120

LENNOX' T-CLASS™ PERFORMANCE SPECIFICATIONS

	COOLING DATA							HEATING INPUT				AIR FLOW RANGE		PHYSICAL DATA		
	Nominal Tonnage	Model	Gross Cap. (Btuh)	ARI Rated Net Cap. (Btuh)	ARI Rated CFM	Full Load (EER)	Part Load (IPLV)	Low	Standard	Medium	High	CFM	Static (in wc)	Dimensions H x W x L (inches)	Ship Wt. (lbs.)	
																KW Range*
GAS/ELECTRIC UNITS	7.5	TGA090H2B	93,000	90,000	3000	11.00	11.40	--	130,000	180,000	--	2200-3375	.02-1.2	50 x 58 x 99.25	1610	
	7.5	TGA090S2B	93,000	90,000	3000	10.10	10.50	--	130,000	180,000	--	2200-3375	.02-1.2	50 x 58 x 99.25	1610	
	8.5	TGA102H2B	106,000	102,000	3400	11.00	11.40	--	130,000	180,000	--	2380-3825	.02-1.2	50 x 58 x 99.25	1610	
	8.5	TGA102S2B	104,000	100,000	3400	10.10	10.50	--	130,000	180,000	--	2380-3825	.02-1.2	50 x 58 x 99.25	1610	
	10	TGA120H2B	126,000	120,000	3800	11.00	11.40	--	--	180,000	240,000	240,000	2800-4500	.02-1.2	50 x 58 x 99.25	1665
	10	TGA120S2B	126,000	120,000	3800	10.10	10.50	--	--	180,000	240,000	240,000	2800-4500	.02-1.2	50 x 58 x 99.25	1665
	12.5	TGA150S2B	145,000	138,000	4250	9.50	9.20	--	--	180,000	240,000	240,000	3500-5625	.02-1.2	50 x 58 x 99.25	1700
ELEC./ELEC. UNITS	7.5	TCA090H2B	93,000	90,000	3000	11.00	11.40	7.50	15.00	22.50	30.00	45.00	2250-3300	.02-1.2	50 x 58 x 99.25	1535
	7.5	TCA090S2B	93,000	90,000	3000	10.40	10.80	7.50	15.00	22.50	45.00	45.00	2250-3300	.02-1.2	50 x 58 x 99.25	1535
	8.5	TCA102H2B	106,000	102,000	3400	11.00	11.40	7.50	15.00	22.50	30.00	45.00	2508-3900	.02-1.2	50 x 58 x 99.25	1535
	8.5	TCA102S2B	104,000	101,000	3400	10.40	10.80	7.50	15.00	22.50	30.00	45.00	2508-3900	.02-1.2	50 x 58 x 99.25	1535
	10	TCA120H2B	126,000	120,000	3800	11.00	11.40	15.00	22.50	30.00	45.00	60.00	2800-4500	.02-1.2	50 x 58 x 99.25	1580
	10	TCA120S2B	126,000	120,000	3800	10.40	10.80	15.00	22.50	30.00	45.00	60.00	2800-4500	.02-1.2	50 x 58 x 99.25	1580
	12.5	TCA150S2B	145,000	140,000	4250	9.70	9.40	15.00	22.50	30.00	45.00	60.00	3360-5200	.02-1.2	50 x 58 x 99.25	1615
HEAT PUMPS								COP 47 Cap.	COP 47 Eff.	COP 17 Cap.	COP 17 Eff.					
	7.5	THA090S2B	94,000	89,000	3000	10.10	10.50	90,000	3.2	52,000	2.2	2250-3300	.02-1.2	50 x 58 x 99.25	1565	
	8.5	THA102S2B	103,000	100,000	3500	10.10	10.50	102,000	3.2	56,000	2.2	2508-3900	.02-1.2	50 x 58 x 99.25	1565	
	10	THA120S2B	120,000	118,000	4200	10.10	10.50	120,000	3.2	72,000	2.2	2800-4500	.02-1.2	50 x 58 x 99.25	1610	
	12.5	THA150S2B	142,000	137,000	4400	9.30	9.70	140,000	3.1	80,000	2.0	3360-5200	.02-1.2	50 x 58 x 99.25	1610	

Certified in accordance with the USE certification program which is based on ARI Standard 340/360: 95° F outdoor air temperature and 80° F dB/67° F wb entering evaporator coil air.

*Nominal electric heat capacities are rated at 240V, 480V and 600V.

Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.

FIELD-INSTALLED ACCESSORIES

- Non-powered GFI
- HACR circuit breaker
- Disconnects
- High and low pressure switches
- Single, sensible or dual enthalpy
- Barometric relief dampers
- Manual outdoor air dampers (25%)
- Motorized outdoor air dampers
- Electric heat
- 50% constant volume powered exhaust fan
- CO₂ sensor
- Return and supply air smoke detectors
- Low ambient kit
- Hail guards
- Coil guards
- MERV 11 filter
- Energy Recovery System (ERS)
- Link to the L Connection® Network line of commercial controls with an optional Network Thermostat Controller
- LPG Conversion Kit (Gas/Electric only)
- Weather kit (Gas/Electric only)
- Flue extension (Gas/Electric only)
- High and low static drive kits
- Blower proving switch
- Dirty filter switch

SOLUTIONS FOR CUSTOMIZED COMFORT



Don't just choose a Lennox® product...choose a Lennox Commercial Comfort System. These complete packages of HVAC solutions provide you the tools to create a healthy and comfortable environment.

Packaged Units

- S-Class™ Rooftop Units
- L Series® Rooftop Units
- T-Class™ Rooftop Units
- 20 Series Rooftop Units
- 16 Series Rooftop Units

Split Systems

- S-Class™ Air Conditioners/
Heat Pumps
- Air Conditioners/
Heat Pumps
- Fan Coil Units
- Indoor Coils

Heating Products

- Duct Furnaces
- Unit Heaters
- Furnaces

Indoor Air Quality Products

- Humiditrol®
Dehumidification System
- Humidity Sensors
- Demand Control Ventilation
- Energy Recovery
Ventilators/Systems

Commercial Controls

- L Connection® Network
- Sectra™ Zoning System



LENNOX®

COMMERCIAL COMFORT SYSTEMS

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