50Hz Air Conditioners and Heat Pumps
Up to 11.00 EER















T-CLASS™

Commercial Air Conditioners and Heat Pumps

TSA/TPA Models

True performance and rugged durability

LENNOX®

Innovation never felt so good.™



CONTROL OPERATIONAL COSTS WITH RELIABLE, ENERGY-EFFICIENT SPLIT SYSTEMS

The T-Class™ TSA/TPA line of air conditioners and heat pumps from Lennox is designed to help achieve comfort as well as energy savings. Featuring high-quality components, these units offer excellent performance and reliability.

Energy efficiency

Lennox' energy-efficient design features high-efficiency scroll compressors and outdoor coils that provide exceptional heat transfer, low air resistance and efficient operation. These units are rated up to 11.0 EER to save hundreds of dollars in operational costs compared to lower-efficiency models.



Easy installation and maintenance

Arriving fully charged from the factory, Lennox® air conditioning and heat pump units are designed to install quickly, with factory-wired control boxes and factory-tested coils.

To ensure years of simple, low-cost service and maintenance, the units feature brass service valves, which provide easy access to the refrigerant system. The suction valve can be fully shut off while the liquid valve may be front-seated to manage refrigerant charge.

Excellent reliability

To guard against unexpected service costs, Lennox split systems feature durable components and safety features such as corrosion-resistant cabinets, drainage holes and enhanced fan and coil guards. High-pressure switches are standard on all models. Other field-installed accessories, such as loss-of-charge and freezestat kits, provide additional protection when needed. All Lennox products are built according to demanding ISO-9001 standards.

T-Class™ split systems at a glance:

High-efficiency units for reduced energy usage

Easy installation and maintenance

A variety of sizes for increased application flexibility

Excellent construction, reliability and warranties

Efficiency Rating

Up to 11.0 EER
(Energy Efficiency Rating)

FIELD-INSTALLED ACCESSORIES

Improved reliability

- **Compressor Low Ambient Cutoff**—Prevents compressor operation when outdoor temperature is below 35°F.
- **Compressor Time-Off Control**—Improves compressor reliability by preventing short-cycling and allowing the compressor to start in an unloaded condition.
- **Loss-of-Charge Kit**—Protects compressor from damage due to low-refrigerant-charge conditions.
- **Hail Guards**—Constructed of louvered heavy-gauge steel, hail guards surround unit on all four sides and prevent damage to the coil.
- **Freezestat**—Prevents system failure in cold conditions by cycling the compressor off when the suction line temperature falls below the setpoint.

Easy installation and maintenance

- **Mounting Base**—Extremely durable high-density polyethylene structural material is lightweight, sturdy and provides a permanent foundation for outdoor units.
- **Unit Stand-Off Kit**—Raises unit off the mounting surface and away from potentially damaging moisture.
- **Refrigerant Line Kits**—Refrigerant lines are shipped cleaned, dried, pressurized and sealed at the factory for easy installation.

Application solutions

- **Low Ambient Control to 30°F**—Allows unit operation down to 30°F.
- **Mild Weather Kit**—Allows heating operation above 75°F (heat pump units only).

Quiet and efficient operation

- **Compressor Sound Cover**—Reinforced vinyl cover with fiberglass insulation helps lower operating sound levels.
- **Time-Delay Relay Kit**—Improves comfort by delaying the blower-off time during the cooling cycle.

T-CLASS AC/HP SINGLE-PHASE PERFORMANCE SPECIFICATIONS

				COOLING[1]		HEATING (HIGH TEMP)[2]		HEATING (LOW TEMP)		PHYSICAL DATA	
	Nominal [kW]	Model	Sound rating db	Net Capacity [kW]	Efficiency [EER]	Capacity [kW]	COP	Net Capacity [kW]	COP	Dimensions [mm]	Ship weight [kg]
AIR CONDITIONERS	7	TSA024S4N41T	76	6.6	10.75	—	—	—	—	641 x 616 x 616	56
	9	TSA030S4N41T	76	8.0	11.00	—	—	—	—	743 x 616 x 616	60
	10.5	TSA036S4N41T	80	9.9	10.20	—	—	—	—	743 x 616 x 616	81
	14	TSA048S4N41T	80	13.5	10.20	—	—	—	—	946 x 718 x 718	88
	17.5	TSA060S4N41T	80	14.8	10.50	—	—	—	—	845 x 718 x 718	99
HEAT PUMPS	7	TPA024S4N41T	80	6.5	9.90	6.3	3.18	3.8	2.10	845 x 616 x 616	64
	10.5	TPA036S4N41T	80	9.3	9.25	9.7	3.26	5.7	2.12	845 x 616 x 616	82
	14	TPA048S4N41T	80	11.7	10.10	11.9	3.38	7.6	2.26	940 x 718 x 718	113

T-CLASS HIGH-EFFICIENCY THREE-PHASE AC/HP PERFORMANCE SPECIFICATIONS

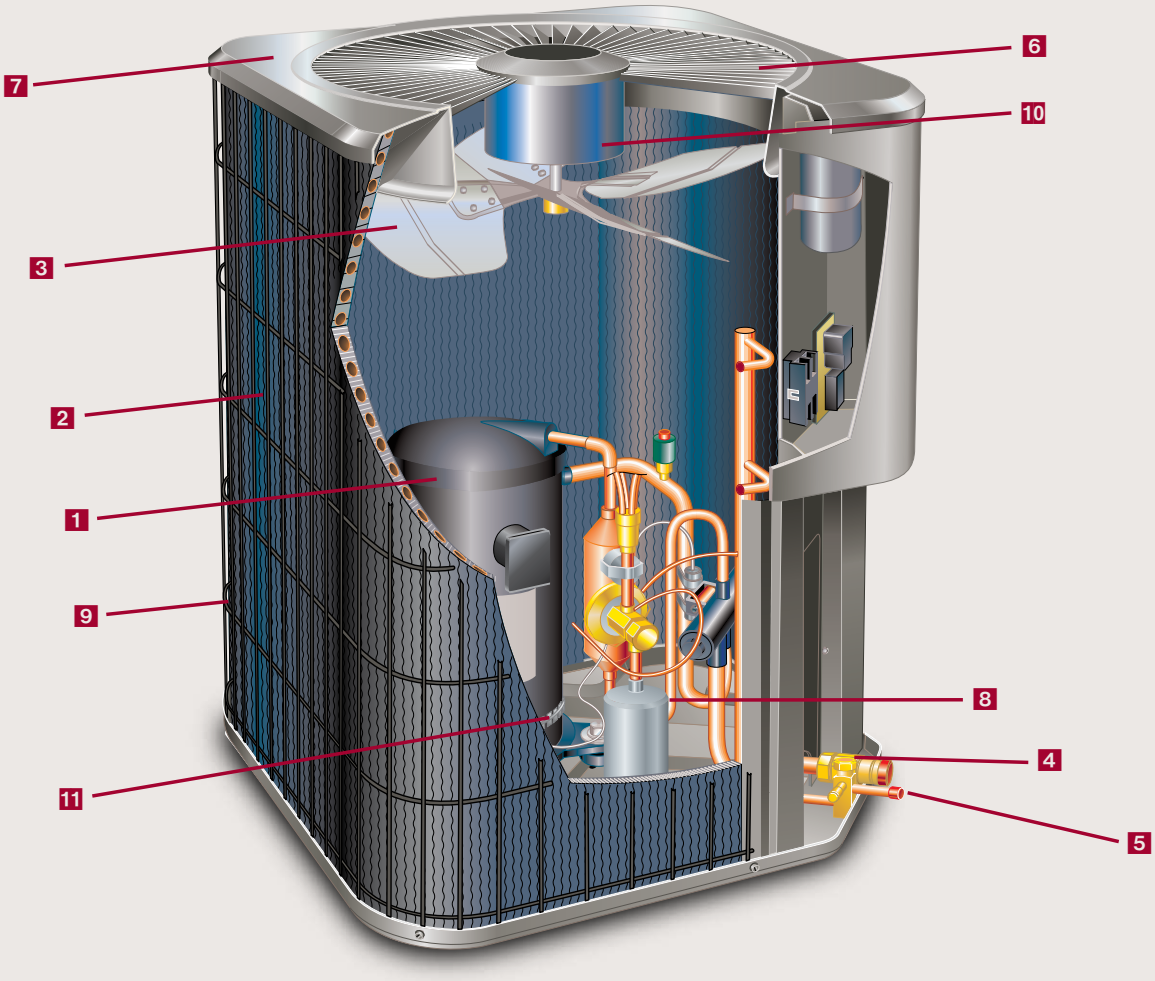
				COOLING[1]		HEATING (HIGH TEMP)[2]		HEATING (LOW TEMP)		PHYSICAL DATA	
	Nominal [kW]	Model	Sound rating db	Net Capacity [kW]	Efficiency [EER]	Capacity [kW]	COP	Net Capacity [kW]	COP	Dimensions [mm]	Ship weight [kg]
AIR CONDITIONERS	10.5	TSA036S4N41M	76	9.0	9.85	—	—	—	—	743 x 718 x 718	61
	14	TSA048S4N41M	76	13.3	10.30	—	—	—	—	946 x 718 x 718	88
	17.5	TSA060S4N41M	80	17.0	9.90	—	—	—	—	845 x 718 x 718	99
HEAT PUMPS	10.5	TPA036S4N41M	76	9.2	9.55	9.7	3.36	6.1	2.28	845 x 616 x 616	82
	14	TPA048S4N41M	80	11.6	10.30	11.6	3.42	7.3	2.26	940 x 718 x 718	113
	17.5	TPA060S4N41M	80	14.4	10.15	14.4	3.46	9.0	2.42	1099 x 718 x 718	116

[2]Cooling ratings, 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.[1]

[3]High-temperature heating ratings, 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) entering indoor coil air.

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

HIGH EFFICIENCY WITH INTELLIGENT DESIGN AND HIGH-QUALITY COMPONENTS



Quiet and efficient operation

1 **Scroll Compressor**—Provides smooth, efficient and quiet operation.

2 **High-Efficiency Outdoor Coil**—Provides exceptional heat transfer and low air resistance for high-efficiency operation.

3 **Quiet, Direct-Drive Fan**—Precision-balanced, direct-drive fan is designed to run slower for an enhanced level of quiet operation.

Easy installation and maintenance

4 **Brass Service Valves**—Isolate the refrigeration system in outdoor units and allow for simple access.

5 **Refrigerant Line Connections and Electrical Inlets**—Located in one central area of cabinet for easy access.

Reliable performance

6 **Fan Guard**—Heavy-duty guard increases safety.

7 **Corrosion-Resistant Cabinet**—Galvanized steel under a two-layer painted surface protects against rust and corrosion.

8 **Drainage Holes**—Prevent damaging moisture from collecting inside the basepan.

9 **Enhanced Coil Guard**—Protects the outdoor coil, maintaining the efficiency of the unit. Heavy-gauge steel construction and non-corrosive PVC coating assure long-lasting protection.

10 **Fan Motor**—Features a fully enclosed design with a rain shield to provide maximum protection from weather, dust, corrosion and moisture.

11 **Crankcase Heaters**—Protect the compressor against refrigerant migration that can occur during low ambient operations.

Solid-State Defrost Control—Monitors the condition of the coil. Quickly and efficiently clears the buildup of frost on the coil (heat pump unit only, not shown).

SOLUTIONS FOR CUSTOMIZED COMFORT



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

Packaged Units

- Strategos™ Rooftop Units
- Energence™ Rooftop Units
- Landmark™ Rooftop Units
- Single-phase residential packaged units*

Heating

- Gas Furnaces
- Unit Heaters
- Duct Furnaces

Split Systems

- S-Class™ Air Conditioners and Heat Pumps
- T-Class Air Conditioners and Heat Pumps
- R-410A Condensing Units
- 10 SEER R-22 Vertical and Horizontal Condensing Units*
- Mini-Split Systems*
- Universal Mounts*
- Indoor Coils
- Uncased Fan Coils*
- Air Handlers

Controls

- Prodigy™ Control System
- L Connection® Network
- Systems Integration
- Thermostats

Indoor Air Quality

- Humiditrol® Dehumidification System
- Demand Control Ventilation
- Energy Recovery Ventilators/Systems
- Air Filters
- UVC Germicidal Lights

**Export only.*

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