



S-CLASS™

Commercial Air Conditioners
and Heat Pumps

SSB/SPB Models

The most energy-efficient commercial
split system*



LENNOX
Innovation never felt so good.™

SUPERIOR EFFICIENCY FOR MORE OF WHAT YOU WANT, LESS OF WHAT YOU DON'T

S-Class™ split systems at a glance:

Redesigned split systems with the highest energy efficiency you can buy* reduce utility bills while maintaining comfort

Improved temperature and humidity control creates a more comfortable indoor environment

Easy-to-clean coils, with SmartHinge™ louvered panels on all sides and refrigerant service valves, reduce costs of installation and maintenance

Environmentally friendlier R-410A refrigerant provides excellent performance while lessening the impact on the environment

Quiet design reduces sound levels to as low as 76 dB, eliminating much of the noise of commercial split systems

ENERGY STAR® qualified

Now you can create a better indoor environment while reducing energy bills. With efficiency ratings up to 16.5 SEER and 8.5 HSPF, the new S-Class™ SSB/SPB split system units from Lennox are the most energy-efficient commercial split systems you can buy.*

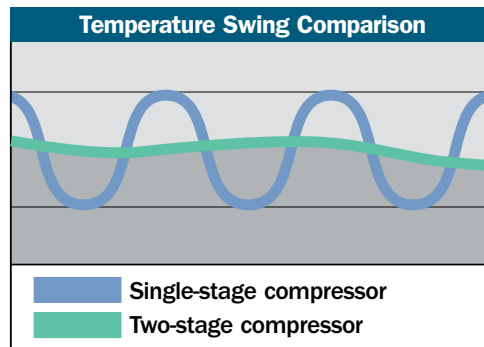
The new S-Class split systems are available with chlorine-free R-410A, an environmentally friendlier refrigerant. Factory options include a variety of voltages for increased flexibility, several field-installed accessories, such as low ambient kit options, and heat pump-specific kits such as outdoor thermostats and monitoring kits.

Like all Lennox® equipment, S-Class units feature durable materials and advanced construction for a quality system designed to provide years of superior service.

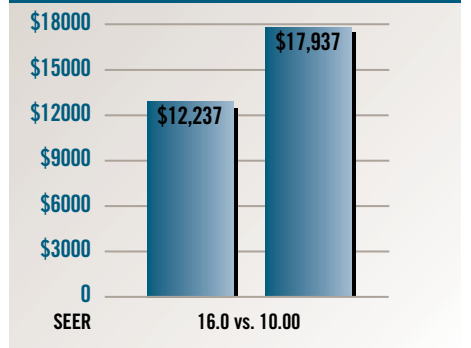
One compressor provides two-compressor benefits

Each model has two operating stages, so a single-compressor unit performs like a two-compressor system, using only the amount of energy necessary to keep occupants comfortable.

Using a two-stage scroll compressor, the S-Class units eliminate temperature swings while providing just the right amount of cooling and dehumidification or heating needed.



Estimated 3-Year Cooling Cost for 20 Units



Illustrates the 3-year cooling costs you can expect from twenty 3-ton S-Class air conditioners versus twenty units with lower efficiency ratings. Actual savings may vary depending on system settings, equipment maintenance, local weather, actual construction, installation of equipment, duct system, hours of operation, local fuel rates and other factors.

Utility rate source: U.S. Department of Energy national average energy rates

Building type: School (year-round)

City: Dallas

Software: Lennox Lifecycle Cost Calculator, version 3.0.9

Efficiency Rating

Up to 16.5 Seasonal Energy Efficiency Ratio (SEER) and 8.5 Heating System Performance Factor (HSPF)

Warranty

5-Year Limited Warranty
on compressor

1-Year Limited Warranty
on covered components

See actual warranty certificate for details.

*Refers to commercial split system (AC and HP) 3- to 5-ton 208-230/3 phase or 460-volt product line when compared to other non-Lennox brands. Lennox model number SSB036H41Y ranks highest in energy efficiency when compared to other non-Lennox split system units. Established through internal review of competitive literature available to the general public in March 2007. Efficiency ratings established per ARI's test standards: ANSI/ARI 210/240-94.



Improve humidity control

Humidity is harder to control on mild-temperature days, when less cooling is needed. S-Class units were designed to remove more moisture than many other systems by shifting to a lower-capacity stage on mild days to match the heat load, then running long enough to reduce both temperature and humidity.

To enhance humidity control even further, choose the optional Humiditrol® dehumidification system. The patented dehumidification system controls temperature and humidity independently, reducing moisture and helping curb the spread of airborne contaminants such as mold.

Minimum system requirements include:

- Humiditrol dehumidification system
- ComfortSense™ touchscreen thermostat
- Lennox variable-speed furnace or air handler
- Lennox air conditioner or heat pump with R-410A refrigerant

Reduce installation and service hours

S-Class units feature contractor-friendly designs to reduce service time and help businesses control costs. Arriving fully charged with refrigerant and ready for installation, S-Class units have factory-wired control boxes and factory-tested coils.

The SmartHinge™ louvered panel design allows quick, easy access to interior components from all sides, so the unit can be serviced in minimal time. For easy access to the refrigerant system, the units include central refrigerant line connections and fully serviceable brass valves. The suction valve can be fully shut off during service while the liquid valve may be front-seated to manage refrigerant charge.

Lennox products are built to last

Superior engineering, durable components and complete testing mean split systems that operate dependably at start-up and for years to come. Lennox products are built with a wide range of durable components and safety features, including corrosion-resistant cabinets, drainage holes and enhanced fan guards. The SmartHinge louvered panels provide superior coil protection, eliminating the need for coil or hail guards.

Each unit features a two-stage scroll compressor with internal overload protection, a three-pole contractor and an enhanced coil and manifold design for excellent performance and reliability.

Low ambient control kits allow cooling as low as 30°F to meet most commercial applications. Rigorous testing and ISO 9001-2000 building standards assure dependability.



SSB/SPB



Humiditrol®
Dehumidification
System

*Not for use with zoning applications.

S-CLASS™ R-410A AIR CONDITIONER AND HEAT PUMP PERFORMANCE SPECIFICATIONS

				COOLING DATA ^{2, 3}			HEATING DATA ⁴			PHYSICAL DATA	
	Nominal Tonnage	Model	Sound Rating dB ¹	ARI Rated Cap. [Btuh]	Efficiency [SEER] ⁵	Efficiency [EER]	Efficiency [HSPF] ⁶	Capacity [Btuh]	COP	Dimensions H x W x L [inches]	Ship. Wt. [lbs.]
AIR CONDITIONERS	3	SSB036H4	76	35,200	16.00	12.00	—	—	—	35 x 30.5 x 30.5	238
	4	SSB048H4	76	48,000	16.00	12.00	—	—	—	35 x 30.5 x 38.5	268
	5	SSB060H4	78	60,000	15.00	11.70	—	—	—	39.4 x 35.5 x 38.5	323
HEAT PUMPS	3	SPB036H4	76	35,600	16.00	11.70	8.20	33,200	3.40	35 x 30.5 x 34.5	265
	4	SPB048H4	76	47,500	16.00	12.00	8.20	44,000	3.34	35 x 30.5 x 44.5	309
	5	SPB060H4	78	57,000	15.50	11.50	8.20	52,500	3.28	39.4 x 35.5 x 38.5	345

¹Sound rating number in accordance with test conditions included in ARI Standard 270.

²5-ton-and-under equipment certified in accordance with ULE certification program, which is based on ARI Standard 210/240.

³Cooling ratings, 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.

⁴High-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.

⁵Up to 16.5 SEER when the S-Class™ SSB036H4 split system is matched with the CBX32MV-048 air handler.

⁶Up to 8.5 HSPF when the S-Class SPB060H4 split system is matched with the CR33-50/60C-F 4 coil and G60FV-60C-090 furnace.

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



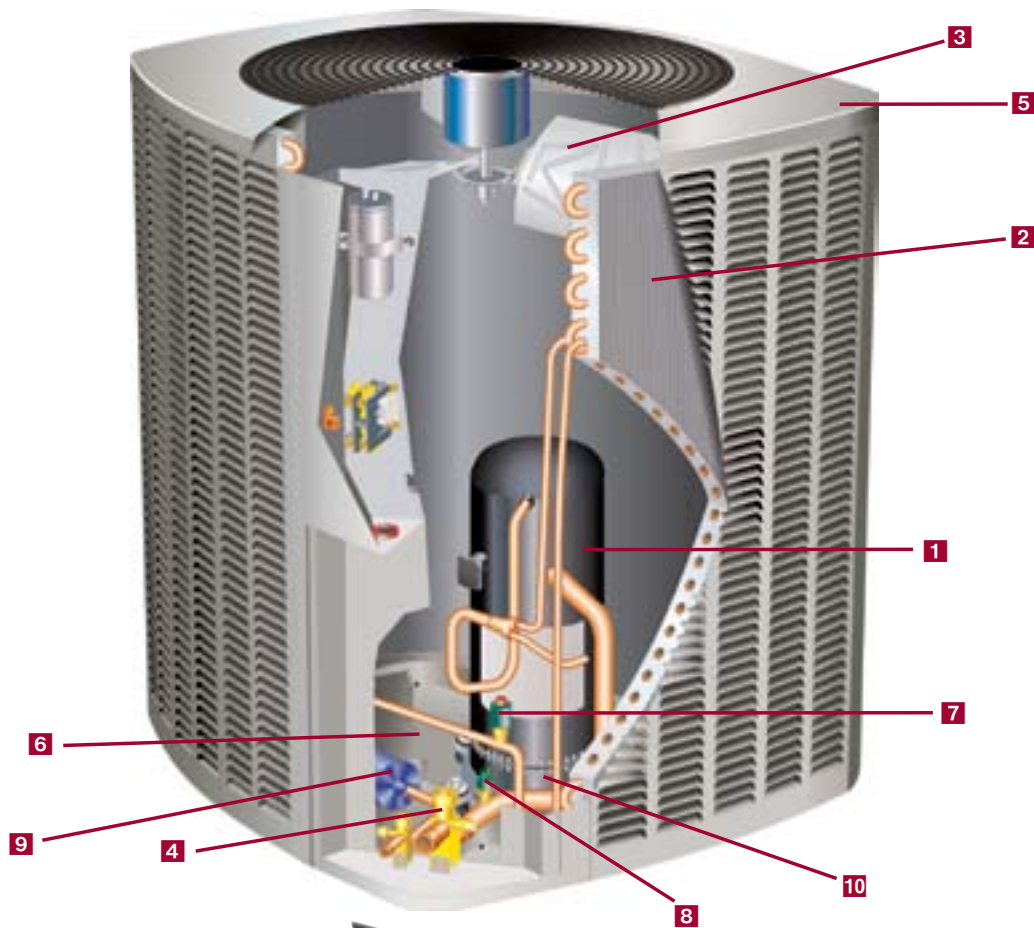
Choose ENERGY STAR® qualified products to reduce energy spending and conserve natural resources. Lennox has developed a wide range of products that meet ENERGY STAR guidelines for energy efficiency.*



S-Class™ split system units feature R-410A, an environmentally friendlier refrigerant.

*Proper sizing and installation of equipment are critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

HIGH EFFICIENCY WITH EXCELLENT TEMPERATURE AND HUMIDITY CONTROL



SmartHinge™ Louvered Coil Protection—

Allows quick, easy access to interior components from all sides, so the unit can be serviced in minimal time.



Quiet and efficient operation

- 1 Two-Stage Scroll Compressor**—Operates on low stage most of the time for quieter, more consistent comfort and better humidity control.
- 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.

Reliable performance

- 5 Corrosion-Resistant Cabinet**—Galvanized steel under a two-layer painted surface protects against rust and corrosion.
- 6 Drainage Holes**—Prevent damaging moisture from collecting inside the basepan.
- 7 High-Pressure Switch**—Extends the life of the unit by providing a safeguard against excessive pressure.
- 8 Low-Pressure Switch**—Extends the life of the compressor by safeguarding against loss of charge.
- 9 High-Capacity Liquid Line Filter/Drier**—Extends the life of the unit by trapping moisture and dirt that could contaminate the system.
- 10 Crankcase Heater**—Protects the compressor against refrigerant migration that can occur during low ambient operations.

SOLUTIONS FOR CUSTOMIZED COMFORT



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

Packaged Units

- Strategos™ Rooftop Units
- S-Class™ Rooftop Units
- Landmark™ Rooftop Units
- L Series® Rooftop Units
- T-Class™ Rooftop Units

Split Systems

- S-Class Air Conditioners/Heat Pumps
- T-Class Air Conditioners/Heat Pumps
- Air Conditioners/Heat Pumps
- Air Handlers
- Indoor Coils

Heating

- T-Class Unit Heaters
- Unit Heaters
- Duct Furnaces
- Furnaces

Commercial Controls

- L Connection® Network
- Systems Integration Solutions
- Commercial Thermostats

Indoor Air Quality

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



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