

S-CLASS[®]

High efficiency and dependability

Commercial Air Conditioners and Heat Pumps SSB/SPB Models

UP TO 16.5 SEER
AND 9.5 HSPF



LENNOX[®]
Innovation never felt so good.[®]

Superior efficiency for more of what you want, less of what you don't

Now you can create a better indoor environment while reducing energy bills. With efficiency ratings up to 16.5 SEER and 9.5 HSPF, the S-Class® SSB/SPB split-system units offer superior efficiency you can rely on.

S-CLASS® SPLIT SYSTEMS AT A GLANCE:

Energy-efficient split systems reduce utility bills while maintaining comfort

Temperature and humidity controls create a more comfortable indoor environment

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

Quiet design reduces sound levels to 74 dB, eliminating much of the noise of commercial split systems

ENERGY STAR® qualified

The S-Class® split systems are available with a wide range of factory options, including a variety of voltages for increased flexibility. Field-installed accessories include low ambient kit options and heat pump-specific kits, like outdoor thermostats and monitoring kits. The versatility of the S-Class unit makes it the right choice for countless commercial applications.

Like all Lennox® equipment that features durable materials and advanced construction, S-Class units are high-quality systems designed to provide years of superior service.



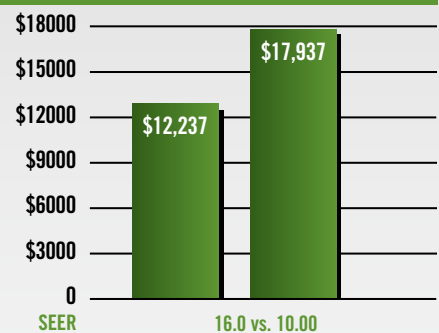
S-Class air conditioners and heat pumps are ENERGY STAR® qualified products, helping to reduce energy spending and conserve natural resources. In addition to S-Class units, Lennox has developed a wide range of products that meet ENERGY STAR guidelines for energy efficiency.

High-efficiency units save year after year

The S-Class split systems feature efficiencies up to 16.5 SEER and are ENERGY STAR qualified, which can significantly reduce utility bills.

The chart illustrates the 3-year cooling costs you can expect from 20 3-ton S-Class air conditioners versus 20 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.

Estimated 3-Year Cooling Cost for 20 Units



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 9.5 Heating Seasonal Performance Factor (HSPF)

WARRANTIES

5-Year Limited Warranty on compressor

1-Year Limited Warranty on covered components and units

See warranty certificate for actual details.

Moisture Control

Removing moisture improves IAQ



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.



Humiditrol®
Dehumidification
System

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 mold and other airborne contaminants.

Minimum system requirements include:

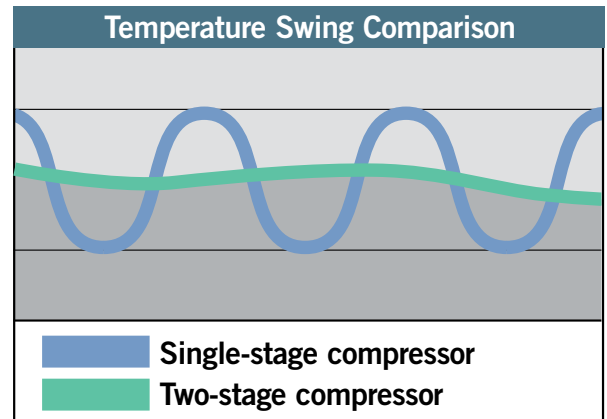
- Humiditrol dehumidification system
- iComfort WiFi® touchscreen thermostat**
- Lennox® variable-speed furnace or air handler
- Lennox air conditioner or heat pump

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 and 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 completely shut off during service, while the liquid valve may be front-seated to manage refrigerant charge.

Temperature Swing Comparison



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 and provide just the right amount of cooling, dehumidification or heating.

*Not for use with zoning applications.

**Select units will also require the Electronic Interface Module.

S-Class[®] air conditioner and heat pump performance specifications

	NOM TON.	MODEL	SOUND RATING dB ¹	COOLING DATA ^{2, 3}			HEATING DATA ⁴			PHYSICAL DATA	
				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	74	37,600	16.0	12.5	—	—	—	31 x 30.5 x 35	243
	4	SSB048H4	74	47,500	16.5	12.5	—	—	—	39 x 30.5 x 35	268
	5	SSB060H4	74	57,500	16.0	12.2	—	—	—	45 x 35.5 x 39.5	332
HEAT PUMPS	3	SPB036H4	76	38,000	16.5	13.5	9.5	36,800	3.44	39 x 30.5 x 35	273
	4	SPB048H4	76	48,500	16.0	12.5	9.5	45,500	3.62	35 x 35.5 x 39.5	294
	5	SPB060H4	78	60,000	16.0	12.2	8.5	61,500	3.62	45 x 35.5 x 39.5	353

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 SSB048H4 split system is matched with the CX34-62C coil and SL280UH090V60C furnace.

⁶Up to 9.5 HSPF when the S-Class SPB048H4 split system is matched with the EL180DF110E60C furnace.

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



Lennox[®] products are built to last

Superior engineering, durable components, and complete testing are combined to create split systems that operate dependably at start-up and for many 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 contactor and an enhanced coil and manifold design for excellent performance and reliability.

Low ambient control kits allow cooling at temperatures as low as 30°F to meet most commercial applications. ISO 9001-2000 building standards and rigorous testing practices assure quality and reliability.

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 primarily on low stage, for more quiet and consistent comfort and 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 and 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 healthy and comfortable environment.



Packaged Units

- Emergence® Rooftop Units
- Strategos® Rooftop Units
- Landmark® Rooftop Units
- Raider® Rooftop Units



Commercial Controls

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



Solar Ready

- SunSource® Commercial Energy System



Indoor Air Quality

- Humiditrol® Dehumidification System
- Demand Control Ventilation
- Air Filters
- UVC Lamps



Split Systems

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



Heating

- Unit Heaters
- Duct Furnaces
- Furnaces



Innovation never felt so good.®

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Litho U.S.A.