Light Commercial HVAC

Now you can purchase ENERGY STAR Labeled HVAC equipment for your building! Building on the success of ENERGY STAR Residential HVAC products, ENERGY STAR has recently introduced light commercial equipment, including air-source air conditioners, air-source heat pumps, and packaged units. ENERGY STAR Labeled Light Commercial HVAC equipment is designed to help save money on your utility bills and reduce energy waste.

- Which products qualify? (Coming Soon)
- Where can I get one?
- What can ENERGY STAR labeled light commercial HVAC save my business?
- Which manufacturers make ENERGY STAR labeled light Commercial HVAC?
- What are the key product efficiency criteria?

Did You Know?

According to the Consortium for Energy Efficiency, light commercial HVAC equipment has significant energy-savings potential. Space cooling accounts for 15.4 % of electricity used in commercial buildings, second to lighting (DOE, 2001).

What can ENERGY STAR Labeled Light Commercial HVAC save my business?
ENERGY STAR Labeled Light Commercial HVAC products can save your business approximately $3 - $4* per square foot over the lifetime of the equipment. For example, by purchasing an ENERGY STAR Labeled Light Commercial HVAC product, a 12,000** square foot building could save $36,000 to $48,000 over the lifetime of the equipment.

According to the Consortium of Energy Efficiency, studies show that at least 25 percent of all rooftop units are oversized resulting in increased energy costs and increased equipment wear. Properly sized equipment dramatically cuts energy costs, increases the life of the equipment, cuts utility bills, and reduces pollution.

*These facts were developed by the Climate Change Action Plan and Lawrence Berkeley Laboratory research.

**Based on the 1995 Commercial Buildings Energy Consumption Survey (CBECS) data.

Where can I get one?
To find a heating and cooling product (HVAC) dealer near you, visit our partners' Web sites (Web master note: link to manufacturer names) and use their dealer locator tools.

What are the key product efficiency criteria?
Products outlined in Tables 1 and 2 below may qualify as ENERGY STAR. Please note that where applicable products must meet both the EER and IPLV* specification in order to be labeled as ENERGY STAR qualified.

Table 1: Criteria for ENERGY STAR Qualified Light Commercial Air Conditioners*

Equipment Type	Size Category	Specification	Test Procedure
Air-Source Air Conditioner (3 phase)	<65,000 Btu/h	∃12 SEER (as of Jan. 1, 2002) ∃13 SEER (as of Jan. 1, 2004)	ARI 210/240
Air-Source Air Conditioner	∃65,000 Btu/h – <135,000 Btu/h	∃11.0 EER; 11.4 IPLV	ARI 210/240
Air-Source Air Conditioner	∃135,000 Btu/h – #250,000 Btu/h	∃10.8 EER; 11.2 IPLV	ARI 340/360

Gas/Electric Package Unit Note: To qualify for the ENERGY STAR label, a gas/electric package unit must meet the appropriate air conditioner specification based on its size category.

Table 2: Criteria for ENERGY STAR Qualified Light Commercial Heat Pumps*

Equipment Type	Size Category	Specification	Test Procedure
Air-Source Heat Pump (3 phase)	<65,000 Btu/h	∃12 SEER; 7.6 HSPF (as of Jan. 1, 2002) ∃13 SEER; 7.7 HSPF (as of Jan. 1, 2004)	ARI 210/240
Air-Source Heat Pump	∃65,000 Btu/h – <135,000 Btu/h	∃10.1 EER (10.4 IPLV); 3.2 COP	ARI 210/240 COP rated at 47° F
Air-Source Heat Pump	∃135,000 Btu/h – #250,000 Btu/h	∃9.3 EER (9.5 IPLV); 3.1 COP	ARI 340/360 COP rated at 47° F

*EER and SEER are measures of cooling efficiency. HSPF and COP are measures of heating efficiency. IPLV is a measure of part-load performance.