

ENERGY STAR[®] for Light Commercial HVAC Fact Sheet for Architects and Engineers

What is ENERGY STAR?

ENERGY STAR is a voluntary program that promotes comprehensive energy management by identifying and labeling enhanced performance products that save money and help protect the environment by saving energy.

The ENERGY STAR label is placed on products that meet or exceed energy-efficiency guidelines set by the US Environmental Protection Agency (EPA) and the US Department of Energy (DOE). ENERGY STAR labeled light commercial HVAC products are designed for enhanced performance to help save money on utility costs and provide more efficient heating and cooling comfort.

By specifying ENERGY STAR labeled light commercial HVAC equipment, architects and engineers can provide benefits to their clients while ameliorating use of cutting edge technology.

What are the benefits to my business?

Cutting edge technology. When you specify ENERGY STAR labeled light commercial HVAC products your company is perceived as cutting edge, understanding the need to protect the environment and realizing the importance of conserving energy.

Value to your clients. By specifying ENERGY STAR labeled light commercial HVAC products you are communicating to your clients that you are providing an HVAC system for the building that will operate efficiently, save them money on utility costs, and increase their comfort.

Enhanced recognition. Specifying ENERGY STAR labeled products can provide you with recognition within the energy industry. This increased exposure from your design specifications, marketing materials and promotional events can increase the visibility of your firm with clients seeking energy efficient design for their buildings.

What are the benefits to my customers?

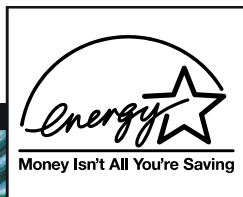
ENERGY STAR labeled light commercial HVAC products use about 15 to 20% less energy per year than conventional models. This signifies an energy-efficient solution that will save your customers money on their energy bill while providing them efficient comfort and protecting the environment for future generations.

How does it help save money and the environment?

Saves Money and Energy. According to the US EPA, about \$40 billion is spent annually in the US to air condition buildings—one-sixth of all electricity generated in a year! Energy is typically the largest operating expense for commercial buildings. ENERGY STAR labeled light commercial HVAC products save money.

Decreased Pollution in Urban Areas. Reduced energy demand means less burning of fossil fuels, which results in less pollution from power plants. Less pollution means cleaner air and reduced greenhouse gas emissions—pollutants that are linked to global climate change. ENERGY STAR products are better for the environment!

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What are the specifications for ENERGY STAR light commercial HVAC?

Central AC – Split or single packaged units (65,000 to 250,000 Btu/h)
<65,000 Btu/h must be ≥12 SEER (3 phase)
≥65,000 to <135,000 Btu/h must be ≥11.0 EER and 11.4 IPLV
≥135,000 to ≤250, 000 Btu/h must be ≥10.8 EER and 11.2 IPLV

Gas Packs – Must meet the appropriate cooling specifications for central AC based on its size category.

Heat Pumps – Split or single packaged units (65,000 to 250,000 Btu/h)
<65,000 Btu/h must be ≥12 SEER and 7.6 HSPF (3 phase)
≥65,000 to <135,000 Btu/h must be ≥10.1EER (10.4 IPLV) and 3.2 COP
≥135,000 to ≤250, 000 Btu/h must be ≥9.3 EER (9.5 IPLV) and 3.1 COP

For detailed information about the specifications, please call or e-mail one of the contacts below.

What light commercial HVAC products are eligible?

Any product that meets the above specifications can be eligible for the ENERGY STAR label. Contact your preferred manufacturer to find out if they have any labeled light commercial HVAC products. Or, visit www.energystar.gov for a list of labeled HVAC products.

How can I participate in ENERGY STAR?

- Educate your customers about the benefits of ENERGY STAR labeled HVAC products, including the potential savings on their utility bill.
- Offer your clients' quality ENERGY STAR labeled HVAC products and energy-efficient improvements in their overall duct systems.
- Provide your clients with information on potential savings available from incentive programs for installation of high efficiency equipment.
- Submit case studies and articles about your projects to highlight the benefits of energy efficient light commercial HVAC equipment. Your submission may be added to the ENERGY STAR Web site!

How do I join?

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www.energystar.gov
ENERGY STAR Web Site Address

1-888-STAR-YES (1-888-782-7937)
Toll-free Hotline