

## Criteria for ENERGY STAR Qualified Light Commercial HVAC

**Qualifying Products:** For the purposes of ENERGY STAR, light commercial HVAC equipment includes the following: air-source air conditioners, air-source heat pumps, and gas/electric package units. As mentioned above, both split system and single package units rated at 65,000 Btu/h or up to 250,000 Btu/h are eligible for the ENERGY STAR label. As it is used primarily in commercial settings, three-phase equipment rated below 65,000 Btu/h may also qualify for the label.

**Energy-Efficiency Specification for Qualifying Products:** 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

**Test Procedure:** The manufacturer shall perform energy-efficiency tests, or have tests performed by outside testing labs, as necessary, to determine which products comply. Based on the results of these tests, the manufacturer shall self-certify those products that it determines are compliant with the specification outlined above. Light commercial air conditioners and heat pumps shall qualify under rating conditions in accordance with ARI 210/240 or ARI 340/360, as appropriate. The test procedure for each equipment type and size category is provided in Tables 1 and 2 above.