



## Proposed Recognition Criteria Ductless Split Air Conditioners and Heat Pumps

### Scope

*Included products.* Residential mini-split and multiple-split non-ducted air conditioners and heat pumps, as defined below, are eligible for ENERGY STAR® Most Efficient recognition in 2014.

**Mini-split Air Conditioners and Heat Pumps<sup>1</sup>:** Systems that have a single outdoor section and one or more indoor sections. The indoor sections cycle on and off in unison in response to a single indoor thermostat.

**Multiple-split Air Conditioners and Heat Pumps<sup>1</sup>:** Systems that have two or more indoor sections. The indoor sections operate independently and can be used to condition multiple zones in response to multiple indoor thermostats.

**Non-ducted Air Conditioner or Heat Pump<sup>1</sup>:** A system that is designed to be permanently installed equipment and directly heats or cools air within the conditioned space using one or more indoor coils that are mounted on room walls and/or ceilings. The unit may be of a modular design that allows for combining multiple outdoor coils and compressors to create one overall system. Non-ducted systems eligible for ENERGY STAR Most Efficient 2014 are all split systems.

*Excluded products.* The following products are not eligible for ENERGY STAR Most Efficient recognition in 2014:

- Units that run on three-phase power.
- Units rated for more than 65,000 Btu/hr of cooling.
- Ducted and packaged units are eligible for ENERGY STAR Most Efficient 2014 recognition, with different requirements.

### Recognition Criteria

1) Product must be ENERGY STAR certified consistent with applicable ENERGY STAR Partner Commitments and the requirements set forth in the Version 4.1 ENERGY STAR Program Requirements Product Specification for Central Air Conditioners/Air-Source Heat Pumps. Product performance must be certified by a certification body recognized by the U.S. Environmental Protection Agency (EPA).

2) Products must meet the following cooling and heating performance levels: 20 SEER, 12.5 EER and (for heat pumps) 9.6 HSPF

3) Non-ducted air conditioners and heat pumps must have an indicator that the filter needs checking and/or cleaning, and an indicator that the system is in need of service by a certified technician. It is recommended that these indicators display in plain text on the consumer

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<sup>1</sup> 10 CFR Part 430, Subpart B, Appendix M - Uniform Test Method for Measuring the Energy Consumption of Central Air Conditioners and Heat Pumps.

control.

#### **Recognition Period**

Upon review and approval of applications received from ENERGY STAR Partners, EPA will add qualifying models to the ENERGY STAR Most Efficient 2014 product list for non-ducted air conditioners and heat pumps from January 1, 2014 through December 30, 2014. The ENERGY STAR Most Efficient 2014 designation may be used in association with models recognized during this period for as long as the model remains on the market.