



**Most Efficient  
2021**  
www.energystar.gov

**Recognition Criteria  
Room Air Conditioners**

**Scope**

*Included products:* Room air conditioners are eligible for ENERGY STAR® Most Efficient recognition in 2021.

**Recognition Criteria**

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

2) Product must have a Combined Energy Efficiency Ratio (CEER) that outperforms the U.S. Department of Energy (DOE) Federal Minimum Standard by the percentages in the table below, as determined by the DOE test procedure 10 CFR 430, Subpart B, Appendix F or a DOE-approved test procedure waiver pursuant to 10 CFR Part 430.27.

Cooling Capacity (BTU/hour)	Percent Better than the Federal Standard (%)
< 14,000	25%
≥ 14,000	35%

3) Product must have a sound pressure level at or below the sound level requirement of 45 dB(A) for the lowest operational mode<sup>1</sup> available demonstrated in accordance with an internationally recognized ISO or ANSI test procedure measuring sound pressure with any adjustments documented and submitted at the time of certification for each basic model.

**Recognition Period**

EPA will add qualifying models to the ENERGY STAR Most Efficient 2021 product list for room air conditioners from January 1, 2021 through December 31, 2021. The ENERGY STAR Most Efficient 2021 designation may be used in association with models recognized during this period for as long as the model remains on the market.

<sup>1</sup> Lowest operational mode means the compressor and fan are still in operation, but at the lowest cooling output level.