



**Most Efficient  
2024**  
www.energystar.gov

## Recognition Criteria Dehumidifiers

### Scope

*Included products:* Portable and Whole-Home Dehumidifiers, as defined below, are eligible for ENERGY STAR® Most Efficient recognition in 2024.

**Dehumidifier:**<sup>1</sup> A product, other than a portable air conditioner, room air conditioner, or packaged terminal air conditioner, that is a self-contained, electrically operated, and mechanically encased assembly consisting of: (a) a refrigerated surface (evaporator) that condenses moisture from the atmosphere; (b) a refrigerating system, including an electric motor; (c) an air-circulating fan; and (d) means for collecting or disposing of the condensate.

- **Portable:** A dehumidifier designed to operate within the dehumidified space without the attachment of additional ducting, although means may be provided for optional duct attachment.
- **Whole Home:** A dehumidifier designed to be installed with ducting to deliver return process air to its inlet and to supply dehumidified process air from its outlet to one of more locations in the dehumidified space.

*Excluded products.* The following products are not eligible for ENERGY STAR Most Efficient recognition in 2024:

- Dehumidifiers with capacities greater than 155 U.S. pints/day as measured per Appendix X1 to 10 CFR Part 430, Subpart B.

### 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 Dehumidifiers. Product performance must be certified by a certification body recognized by the U.S. Environmental Protection Agency (EPA).

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<sup>1</sup> All definitions are identical to the definitions in 10 Code of Federal Regulations (CFR) Part 430.2.

2) Product must meet the following applicable minimum Integrated Energy Factor (IEF)<sup>2</sup>

Type, size	Integrated Energy Factor
Portable, capacity ≤ 25.00 pints/day	≥ 1.75
Portable, capacity 25.01 to 50.00 pints/day	≥ 2.01
Portable, capacity > 50.00 pints/day	≥ 3.40
Whole Home, case volume ≤ 8.0 ft <sup>3</sup>	≥ 2.22
Whole Home, case volume > 8.0 ft <sup>3</sup>	≥ 3.81

### Recognition Period

EPA will add qualifying models to the ENERGY STAR Most Efficient 2024 product list for dehumidifiers from January 1, 2024 through December 31, 2024. The ENERGY STAR Most Efficient 2024 designation may be used in association with models recognized during this period for as long as the model remains on the market.

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<sup>2</sup> Capacity and Integrated Energy Factor determined per Appendix X1 to 10 CFR Part 430, Subpart B.