



**Most Efficient
2019**
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Proposed Criteria Dehumidifiers

Scope

Included products: Dehumidifiers, as defined below, are eligible for ENERGY STAR® Most Efficient recognition in 2019.

Dehumidifier: 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.

Per ENERGY STAR Version 4.0:

- **Stand Alone:** A portable unit designed to provide dehumidification within the confined living space where it is placed and plugged into an electrical outlet.
- **Whole House:** A unit designed to be incorporated into the home's HVAC system, or installed with its own duct system, and provide dehumidification for all conditioned spaces within the building enclosure.

Per ENERGY STAR Version 5.0 (once available for early certification):

- **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 2019:

- Dehumidifiers with capacity of 75 pints/day or higher (per ENERGY STAR Version 4.0)
- Portable dehumidifiers with capacity of 50.01 pints/day or higher and whole home dehumidifiers with case volume greater than 8 cubic feet (per ENERGY STAR Version 5.0)

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).

2) Product must meet at least one of the following applicable efficiency criteria:

- a) Minimum Energy Factor (EF) per ENERGY STAR Specification for Dehumidifiers, Version 4.0:

Type	Energy Factor
Stand Alone	≥ 2.20
Whole House	≥ 2.30

- b) Minimum Integrated Energy Factor (IEF) per ENERGY STAR Specification for Dehumidifiers, Version 5.0 (once available for early certification):

Type, size	Integrated Energy Factor
Portable, capacity ≤ 25 pints/day	≥ 1.57
Portable, capacity 25.01 to 50.00 pints/day	≥ 1.80
Whole Home	≥ 2.09

Recognition Period

EPA will add qualifying models to the ENERGY STAR Most Efficient 2019 product list for dehumidifiers from January 1, 2019 through December 31, 2019. The ENERGY STAR Most Efficient 2019 designation may be used in association with models recognized during this period for as long as the model remains on the market.