

Definitions for Vending Machine Product Listing Column Headers

Column Header	Definition
ENERGY STAR Partner	An organization that signed a Partnership Agreement with EPA to manufacture or private label ENERGY STAR qualified products.
Brand	An identifier assigned by the manufacturer or private labeler to a product or family/series of products for sales and marketing purposes.
Model Name	An identifier assigned by the manufacturer or private labeler to a product or family/series of products for sales and marketing purposes.
Model Number	A distinguishing identifier, usually alphanumeric, assigned to a product by the manufacturer or private labeler.
Additional Model Information	This column includes for the qualified model or family, family members, additional model names, model numbers and other identifying information associated with a product or family/series of products for sales and marketing purposes. Other identifying information includes, but is not limited to, SKUs, UPC codes, retail numbers, and/or descriptions of models included/not included in the reported Model Family.
Door Type	Vending machines eligible for ENERGY STAR may have a closed front door, glass front door, live display door, or "other" door type.
Machine Use Designation	Indoor/outdoor machines may be suitable for outdoor use or suitable for protected locations. Indoor machines are suitable for indoor use only (per UL Standard 541).
Vendible Capacity	The maximum quantity of standard product that can be dispensed from one full loading of the vending machine without further reload operations when used as recommended by the manufacturer (per ANSI/ASHRAE 32.1).
Energy Consumption (kWh/day)	The measured Daily Energy Consumption value in kWh per day.
Energy Saving Component Type	The component type(s) as represented by the Component Model Numbers (e.g., fan assembly).
Energy Saving Kit or Component OEM	The OEM of the energy efficiency component(s)/kit installed to meet ENERGY STAR requirements.
Energy Saving Kit or Component Model Number	The model number of the energy efficiency component(s)/kit installed to meet ENERGY STAR requirements.
Date Available on Market	The date that the model is available for purchase.
Date Qualified	The date on which the product was confirmed to meet the ENERGY STAR specification.

Key Efficiency Criteria

Qualified models meet all ENERGY STAR requirements as listed in the Version 2.1 Tier II ENERGY STAR Program Requirements for Vending Machines that are effective as of July 1, 2007, or the Version 3.0 ENERGY STAR Program Requirements for Vending Machines that are effective as of March 1, 2013.

Version 2.1 Tier II Requirements New and Rebuilt Machines (effective July 1, 2007)

Maximum daily energy consumption:

$$Y = 0.45 [8.66 + (0.009 \times C)]$$

Where: Y = 24 hr energy consumption (kWh/day) after the machine has stabilized
C = vendible capacity

Note: The energy consumption equation is based on CAN/CSA C804-96 Energy Performance of Vending Machines (for Machine Type A).

Version 3.0 Requirements New and Rebuilt Machines (effective March 1, 2013)

Maximum daily energy consumption:

Class A: New and Rebuilt Machines: $0.0523V + 2.432$

Class B: New and Rebuilt Machines: $0.0657V + 2.844$

Where V = the refrigerated volume (cu ft) of the refrigerated bottled or canned beverage vending machine, as measured by the American National Standards Institute (ANSI)/ Association of Home Appliance Manufacturers (AHAM) HRF-1-2004, "Energy, Performance, and Capacity of Household Refrigerators, Refrigerator-Freezers and Freezers." Measurement of refrigerated volume must be in accordance with the methodology specified in Section 5.2, Total Refrigerated Volume (excluding subsections 5.2.2.2 through 5.2.2.4), of ANSI/AHAM HRF-1-2004.