

**ENERGY STAR® 2024 Emerging Technology Award Requirements:  
Modular Packaged Commercial Refrigeration Systems**

<b>Product Type:</b> This award is intended for closed, self-contained commercial refrigerator and freezer products that contain a modular refrigeration system.		
<b>Criteria</b>		<b>Test Method/Required Documentation</b>
<b>Product Characteristics</b>		
<b>Energy Efficiency</b>	Unit must outperform the Maximum Daily Energy Consumption (MDEC) for <a href="#">ENERGY STAR Version 5.0 Commercial Refrigerators and Freezers</a> by a minimum of 8%	Perform the <a href="#">10 CFR Part 431 Subpart C - Commercial Refrigerators, Freezers and Refrigerator-Freezers</a> test method
	Provide documentation of the model information and test results for the product being submitted for consideration	
	Energy measurements must be performed at an EPA-recognized accredited lab <sup>1</sup> or manufacturer laboratories that are EPA-recognized through enrolling in a Certification Body's witnessed or supervised testing laboratory (WMTL or SMTL) program	
	All models submitted for consideration must be ENERGY STAR certified to Version 5.0, or above, and listed on the <a href="#">ENERGY STAR Certified Commercial Refrigerators and Freezers   EPA ENERGY STAR</a> Product Finder list with Daily Energy Consumption (DEC) at least 8% less than the MDEC for the eligible CRE product class.	
<b>Low-GWP Refrigerant</b>	Contains refrigerant with a Global Warming Potential (GWP) not to exceed 5 and approved for use in the U.S. market	Listed as Acceptable by the U.S. EPA Significant New Alternatives Policy (SNAP) Program for refrigerants. <sup>2</sup> Product documentation listing the refrigerants and foams contained within the product
<b>Interior Volume</b>	All volumes	Calculated in accordance with the DOE test procedure at 10 CFR Part 431, Subpart C, Appendix B
<b>Configuration</b>	Vertical or Horizontal, solid or transparent door, self-contained refrigerator and/or freezer	
<b>Additional Product Requirements</b>		
<b>Warranty Minimum</b>	One year parts and labor	Copy of warranty agreement
<b>Certification</b>	Must meet all applicable U.S. electrical safety requirements	Copy of case files
<b>Additional Company Requirements</b>		
<b>Commercial Status</b>	This program recognizes only products available for sale in the U.S.	

<sup>1</sup> [Third-Party Certification | ENERGY STAR](#)

<sup>2</sup> [List of acceptable and unacceptable refrigerants in stand-alone commercial refrigerators and freezers Substitutes in Stand-alone Equipment | US EPA](#)