

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

Product Type: This award is intended for closed, self-contained commercial refrigerator and freezer products that contain compact cooling system technology.		
Criteria		Test Method/Required Documentation
Product Characteristics		
Energy Efficiency	Unit must outperform the Maximum Daily Energy Consumption (MDEC) for ENERGY STAR Version 5.0 Commercial Refrigerators and Freezers by a minimum of 8%	Perform the 10 CFR Part 431 Subpart C - Commercial Refrigerators, Freezers and Refrigerator-Freezers 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 ¹ 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 Version 5.0 certified and listed on the ENERGY STAR Certified Commercial Refrigerators and Freezers EPA ENERGY STAR Product Finder list to be eligible	
Low-GWP Refrigerant	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. ² Product documentation listing the refrigerants and foams contained within the product
Interior Volume	All volumes	Calculated in accordance with the DOE test procedure at 10 CFR Part 431, Subpart C, Appendix B
Configuration	Vertical or Horizontal, solid or transparent door, self-contained refrigerator and/or freezer	
Additional Product Requirements		
Warranty Minimum	One year parts and labor	Copy of warranty agreement
Certification	Must meet all applicable U.S. electrical safety requirements	Copy of case files
Additional Company Requirements		
Commercial Status	This program recognizes only products available for sale in the U.S.	

¹ [Third-Party Certification | ENERGY STAR](#)

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