

**ENERGY STAR® 2024 Emerging Technology Award Requirements:  
Commercial HVAC Electric Motors**

<b>Product Type:</b> This award is intended for mid-sized electric motors that meet the Ultra Premium Efficiency IE5 performance tier with a target end use of commercial HVAC, in new systems or as replacement motors.		
<b>Criteria</b>		<b>Test Method/Required Documentation</b>
<b>Product Characteristics</b>		
<b>Energy Efficiency</b>	Unit must meet IE5 classification	As outlined in IEC TS 60034-30-2:2016 reference document in accordance to IEC 60034 – 2-1: 2014 test method
	Provide documentation of the model information and test results for the product being submitted for consideration	
	Energy measurements must be performed at a lab that has been externally certified to test motors for energy performance using IEC 60034 – *-*.	
<b>Output Power</b>	5-50 kW	
<b>Voltage</b>	230 – 690 V	Calculated in accordance with IEC 60034 – 2-1: 2014 test method
<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.	