

STANDARD INFORMATION

If the project requires any changes to the Certification Data Report outside of Section 1, then this SUN applies.

Standard: UL 507

Standard ID: Electric Fans [UL 507:2017 Ed.10+R:22Aug2024]

Previous Standard ID: Electric Fans [UL 507:2017 Ed.10+R:24Aug2023]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: April 22, 2027

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: No action is required for currently certified products. If modifications to the product after the effective date require an evaluation and/or testing, then the product must undergo re-evaluation to the new requirements.

This standard contains Functional Safety requirements.

Overview of Changes:

- Added requirements for automatic starting devices for rangehoods
- Added requirement for fan motors provided with primary protection devices other than thermal cutoff
- Added new section for battery operated fans
- Added requirements for Class 2 low voltage ceiling insert fans

Specific details of new/revise requirements are found in table below

Note: If the listing references a Canadian standard, per the Canadian Electrical Code (CSA C22.2#0) Section titled Language of markings, Caution and Warning Markings shall be in English and French.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



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CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.
2	Info	Glossary
2.22	Info	Product terms
		<i>New clause added;</i>
2.2.8B	Info	CLASS 2 LOW VOLTAGE CEILING INSERT FAN – A low voltage ceiling insert fan with or without a light intended to be used in Class 2 power-limited circuits of building in accordance with Article 725 of the National Electrical Code, NFPA 70, and rated a maximum of 30 V rms (42.2 V peak) or 60 V dc. It does not include a ceiling insert fan which is provided with integrated Class 2 power units.
84	Info	User Servicing Instructions
		<i>New clause added;</i>
84.6		User instructions of portable and window mounted fans shall state that a fan shall not be modified by users, such as by adding supplemental filters to fans not intended to be used for air cleaning purposes.
	Info	FANS FOR USE IN COOKING AREAS
113	Info	Construction
		<i>New section added;</i>
113.14		Automatic starting device for rangehoods
113.14.1		An automatic starting device may be employed to start the product automatically. The control of the product shall include a means to override the automatic operation. Exception: An automatic starting device that operates to protect the product does not require an override for that function.
113.14.2		An automatic starting device that uses a CO detection method and emits an audible signal shall comply with the Standard for Single and Multiple Station Carbon Monoxide Alarms, UL 2034. Note: A device classified as a CO detector is one which meets the scope of UL 2034.
113.14.3		An automatic starting device that uses a smoke detection method and emits an audible signal shall comply with the Standard for Smoke Alarms, UL 217, or Standard for Smoke Detectors for Fire Alarm Systems, UL 268.



CLAUSE	VERDICT	COMMENT
		Note: A device classified as a smoke detector is one which meets the scope of UL 217 or UL 268.
113.14.4		An automatic starting device shall not provide with a feature to detect the combustible gas and vapor (e.g. natural gas, liquefied petroleum gas).
179A	Info	Performance
179A.1	Info	Fan motor heat aging
		The primary motor protection or the secondary protection device shall not operate during the heat aging period.
179A.1.4		<u>Each fan or motor sample shall be checked that it can still operate after heat aging test. The primary motor protection device may open during heat aging period but shall not open the motor circuit permanently. The secondary protection device shall not operate during the heat aging period.</u>
		<u>Note: For manually reset protector or single-operation device, they shall be reset in accordance with their reset instruction. If the protectors cannot be reset, it is considered that the motor circuit is opened permanently.</u>
	Info	BATTERY OPERATED FANS
		<i>New sections added;</i>
226		226 General
227		227 Construction
		See standard for details.
	Info	CLASS 2 LOW VOLTAGE CEILING INSERT FAN
		<i>New sections added;</i>
228		228 General
229		229 Construction
		230 Markings
		See standard for details.