

STANDARD INFORMATION

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

Standard: UL 987

Standard ID: Stationary and Fixed Electric Tools [UL 987:2011 Ed.8+R:30Sep2025]

Previous Standard ID: Stationary and Fixed Electric Tools [UL 987:2011 Ed.8+R:09Apr2025]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: March 29, 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.

Overview of Changes: Revisions to add requirements specific to stationary and fixed table saws. 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>		
1	Info	Scope These requirements do not cover any of the following: a) Portable tools; b) Automated machine tools intended for production line use; c) Garage equipment with the exception of bench type brake lathes; d) Painting equipment; or 1.3 <u>e) Transportable tools covered by the UL 62841 Series Standards for Safety for Electric Motor- Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery;</u> <u>f) Woodworking machinery and accessory equipment, used in industrial and commercial applications, having a total connected power of 5 hp (3.7kw) or greater, or having 3-phase wiring, covered by ANSI O1 Series Standards for Safety Requirements for Woodworking Machinery; or</u> g) Other equipment covered by individual requirements.
<i>New section added;</i>		
Table Saws		
43A		A table saw shall be provided with a saw blade, hereafter referred to as a “saw blade” or “blade”, or other cutting tool recommended by the manufacturer. The table saw shall be constructed so that blades with diameters larger than what is recommended by the manufacturer of the saw cannot be used in the saw. See standard for details.
<i>New section added;</i>		
Miter Saws		
47A		These requirements cover chop and sliding type, miter saws, with and without compound action, provided with circular saw blades. See standard for details.



CLAUSE	VERDICT	COMMENT				
54	Info	Current Input Test				
Loads for input test						
Table 54.1		<table><tr><th>Tool</th><th>Test Procedure</th></tr><tr><td>14. Saw, miter</td><td>The test is to consist of cutting a soft pine board having a <u>thickness equal to 75 percent of the maximum capacity of the saw. The test is to be conducted with a force applied to the handle equal to 110 percent of the force required to cause the blade mechanism to travel the distance of a full cut when the saw is not energized.</u></td></tr></table>	Tool	Test Procedure	14. Saw, miter	The test is to consist of cutting a soft pine board having a <u>thickness equal to 75 percent of the maximum capacity of the saw. The test is to be conducted with a force applied to the handle equal to 110 percent of the force required to cause the blade mechanism to travel the distance of a full cut when the saw is not energized.</u>
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55	Info	Temperature Test				
55.3	Info	Operation for temperature test				
55.3.3		<p>A bandsaw, <u>a miter saw</u>, an abrasive cut-off saw, a drill press, a hacksaw, a planer, a jointer, a shaper, a router, a radial-arm or <u>table saw</u>, a belt or disc sander, or a lathe is to be operated continuously while loaded so that the current input equals the rated current input of the tool. Loading is to be by eddy-current brake, dynamometer, or the like. If the tool is provided with means for controlling the speed, the test is to be conducted:</p> <p>a) At the maximum speed setting of the control with the tool loaded so that the current input equals the current rating of the tool; and</p> <p>b) At any other speed setting that may result in a higher temperature with the tool loaded so that the current input equals the current measured at that speed during the current input test – see 54.1.</p>				
81	Info	Cautionary				
81.7	Info	Table saws				
<i>New clause added;</i>						
A table saw shall be marked with the following:						
WARNING						
For Your Own Safety Read Instruction Manual Before Operating Saw						
81.7.2		<p>a) Wear eye protection.</p> <p>b) Use saw-blade guard and spreader for every operation for which it can be used, including all through sawing.</p> <p>c) Keep hands out of the line of saw blade.</p> <p>d) Use a push-stick when required.</p> <p>e) Pay particular attention to instructions on reducing risk of kickback. (or "Know how to reduce risk of kickback.")</p> <p>f) Do not perform any operation freehand.</p> <p>g) Never reach around or over saw blade. (or "Never reach in back of or over saw blade.")</p>				



CLAUSE	VERDICT	COMMENT
<i>New clause added;</i>		
81.7.3		A table saw shall be permanently marked in a visible location on a fixed part of the saw with an arrow indicating the direction of rotation of the arbor.
<i>New section added;</i>		
Miter saws		
81.12A		A miter saw shall be marked with the following: See standard for details.
83	Info	Instructions Pertaining to a Risk of Injury
<i>New section added;</i>		
Miter saws		
83.9A		The instruction manual for a miter saw shall include the marking information required by 81.12A.1 and 81.12A.2. See standard for details.
<i>New section added;</i>		
Table saws		
83.15		The instruction manual for a table saw shall include the marking information required by 81.7.2, and the following: See standard for details.
	Info	ACCESSORIES AND ATTACHMENTS
84	Info	Scope
84.4		These requirements cover carbide-tipped saw blades intended for use with <u>table saws</u> , radial arm saws, <u>miter saws</u> , and carbide-tipped jointer cutters. Carbide-tipped drill bits, and solid (not carbide tipped) blades, cutters, and bits are not covered.
88	Info	Instructions
88.3	Info	Specific accessories
88.3.2		The following instructions, as applicable, shall appear either on the packaging of the accessory or in the instruction manual provided with the accessory: a) Dado Head – The instructions shall warn the user against cutting warped material with the convex side toward the table of a radial-arm <u>or a table saw</u> .



CLAUSE	VERDICT	COMMENT
Supplement SA	Info	BATTERY-POWERED STATIONARY AND FIXED ELECTRIC TOOLS AND BATTERY PACKS
SA19	Info	Switches and Controls
SA19.3		The disabling device in SA19.2 for a radial saw, <u>table saw</u> , <u>miter saw</u> , planer, jointer, or shaper shall also automatically return to the disabling condition after turning off the on-off switch.
SA47		<i>New section added;</i> Miter Saws
SA47.1		Modify 47A.3 by replacing the last paragraph with the following text: To determine compliance with 47A.3 a), the saw is to be operated at no load and at rated voltage for a period of 15 minutes with a fully charged battery prior to the test. Following the 15 minutes period the battery is replaced with a fully charged battery and the saw is then to be turned on and off 10 times, with a 30 s period between the blade stopping and the next actuation. In each case, the blade shall come to a complete stop in the time specified in 47A.3 a).