

## STANDARD INFORMATION

**If your product is an electrically-operated log splitter, then this SUN applies.**

### Standards:

Electric Gardening Appliances [UL 82]  
Stationary and Fixed Electric Tools [UL 987]  
Electric Bench Tools [CSA C22.2#71.2]  
Motor-Operated Gardening Appliances [CSA C22.2#147]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date: August 1, 2023**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

### Impact Statement:

An electrically-operated log splitter can be used in different environments, such as garden or forestry. It also can be used by professional or ordinary personnel.

Therefore, apart from the electrical safety evaluations which are required for an electrically-operated log splitter, other areas such as mechanical hazards, stability, and safety operation control of the equipment shall be considered and evaluated during the assessment of the product.

For the US, the primary standards used in the past for evaluating this type of product are the following:  
UL 987, edition 8 (Standard for safety – stationary and fixed electric tools)  
UL 82, edition 9 (Standard for safety – electric gardening appliances)

For Canada, the primary standards used in the past for evaluating this type of product are the following:  
CSA C22.2#71.2-08 (Electric bench tools)  
CSA C22.2#147:15 (Motor-operated gardening appliances)

The above standards do not adequately address all hazards/risks with specific construction and test requirements as they are quite general and not specifically written for electrically-operated log splitters.

ANSI has published a standard that focuses on and addresses the hazards for this type of product which is ANSI B71.7-2018, title “Power consumer ram-type log splitter – safety specifications”.

This standard addresses the areas which the existing UL and CSA standards do not cover, such as requirements for the splitting control (clause 5.3), for the operator zone (clause 6), stability (clause 7) and the requirement of the ram movement (clause 11).

This standard also provides very detailed information for safety signs, safety instructions and safety symbols for this type of product.



## Client Action Required:

### cETLus Certification

1. UL 987, CSA C22.2#71.2 and CSA C22.2#147 shall be used as the primary applicable electrical safety standards.
2. In addition to the standards mentioned in Item 1, the relevant clauses of standard ANSI B71.7 shall be applied for the evaluation and testing of the product in order to cover the areas which the standards in item 1 do not address.
3. The following clauses of ANSI B71.7 shall be considered and reviewed during the evaluation and testing the product:
  - Clause 5 – Controls, especially clause 5.3, the requirements of splitting control
  - Clause 6 – Operator zone
  - Clause 7 – Stability test
  - Clause 8 – Shields and guarding requirements
  - Clause 11 – additional requirement, especially 11.1 regarding the ram movement requirements.
  - Clause 12 – Servicing
  - Clause 14 – Safety message that including the requirements of on-product safety signs, safety instructions and safety symbols
  - Figure 6 – Safety instructions for power consumer ram-type log splitters.
4. ANSI B71.7, clause 9 – hydraulic device, will be applicable if the product incorporates hydraulic device(s), such as a hydraulic control lever.

### For existing cETLus certified products to UL 82:

As per UL 82 Scope Clause 1.7, this standard does not cover electrically operated log splitters. Products currently certified to UL 82 shall be re-evaluated to UL 987 and as described above in items 2 to 4.

***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.***