

STANDARD INFORMATION

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

Standard: UL 60335-2-89 / CSA C22.2 No. 60335-2-89

Standard ID:

Household and Similar Electrical Appliances - Safety - Part 2-89: Particular Requirements for Commercial Refrigerating Appliances and Ice-Makers with an Incorporated or Remote Refrigerant Unit or Motor-Compressor [UL 60335-2-89:2021 Ed.2+R:10Sep2025]

Household and Similar Electrical Appliances - Safety - Part 2-89: Particular Requirements for Commercial Refrigerating Appliances and Ice-Makers with an Incorporated or Remote Refrigerant Unit or Motor-Compressor [CSA C22.2#60335-2-89:2021 Ed.2+U1]

Previous Standard ID:

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EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 10, 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:

- Covering Excessive Vibration in Appliances Using A2's or A3's
- Revisions to density values

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
22	Info	Construction <i>New section added;</i>
22.108DV		Appliances located indoors using A2 or A3 FLAMMABLE REFRIGERANTS and having a refrigerant charge within any refrigerating circuit exceeding 150 g of flammable refrigerant shall be constructed so that excessive vibration or resonance points do not occur in the refrigerant piping.
Annex 101.DVU	Info	Competence of service personnel
101.DVU.1	Info	General
101.DVU.1.2	Info	Releasable charge (mrel) determination General The maximum releasable charge shall be considered to be the largest value as calculated by Clauses 101.DVU.1.2.2 to 101.DVU.1.2.3 multiplied by 1.30 . The maximum releasable charge shall be calculated using the internal volume of all interconnecting tubing and all refrigeration appliances “downstream” of the safety shut-off valves. Internal volume of tubing shall be determined by multiplying the length of tubing times the internal volume per length specified in Table 101.DVU.1.
		Releasable charge in cooling mode
101.DVU.1.2.2		The value of ρ_{mix} has been modified. See standard for details.
		Releasable charge in off/standby/defrost mode
101.DVU.1.2.3		The value of ρ_{off} has been modified. See standard for details.