

CERTIFICATION Notice

An Urgent Bulletin from CSA Group

Heating and Cooling Equipment No. 11B

(Supersedes Notice Heating and Cooling Equipment No. 11A,
Ref No: N19-015)

See Attachment 1 for Effective Dates.

Date: January 15, 2020

See Attachment 1 for Application Due Dates

Announcing: Publication of Bi-national standard CSA-C22.2 No. 60335-2-40:17/UL 60335-2-40, Second Edition, Safety of Household and Similar Electrical Appliances - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers

See Attachment 2 for affected Class Numbers.

To purchase the Standard, visit us at store.csagroup.org

Who is affected?

Manufacturers of electrical heat pumps, air-conditioners and dehumidifiers.

What do you do?

1. CSA Group Service Delivery staff will contact you to address compliance with each revision as applicable to the product designs covered in your affected Certification Reports. In addition to updates to your Certificate(s) of Compliance & Report(s), testing may be required to comply with these revisions.
2. Please respond within thirty (30) days of receiving CSA Group's "Application for CSA Certification Services" and "Quotation" communication. You must respond no later than the application dates listed in Attachment 1 in order to guarantee the update to your

certification is completed by the corresponding effective dates shown in the same attachment. If testing is needed, we will inform you of the samples required.

Approvals:

This Notice announces publication of Bi-national standard CAN/CSA-C22.2 No. 60335-2-40:17/UL 60335-2-40, Second Edition. The requirements are based on IEC 60335-2-40, Edition 5.0 with Canadian and U.S. deviations. This Standard is intended to be used in conjunction with CAN/CSA-C22.2 No. 60335-1:16/UL 60335-1 Sixth Edition.

Major Revisions:

See attachment 3

Background and Rationale:

See attachment 4

For questions specific to your file or products contact your CSA Group technical staff associate.

Go to <https://www.csagroup.org/testing-certification/product-listing/> and enter your Master Contract # and the class numbers associated with this Notice to determine which of your products are affected.

For technical questions on this Certification Notice

Contact Whitman Gao
by phone 86-20-87320648 ext.921, fax 86 (20) 8732 0306
or e-mail Whitman.Gao@csagroup.org

The standard edition or amendments announced in this Notice may be used for certification as of the date of issue of this Notice. The "Effective date" in this Notice is the date on which the current requirements, applicable to Certified products listed in the affected class numbers, expire and the standard edition or amendments announced in this Notice become the only requirements that may be used for certification.

In the event that currently certified products do not comply with the latest requirements outlined in this Notice after the "effective date", the certification of such models may be discontinued.



Visit us at www.csagroup.org where you can click on "Contact Us" for the online phone listing of our Offices and Partners.

ATTACHMENT 1

Effective Dates

After January 1, 2024, all new and previously certified electrical heat pumps, air-conditioners and dehumidifiers covered by CSA standards C22.2 No.117, C22.2 No.236, CAN/CSA C22.2 No. 60335-2-40:12, and UL standards UL 484, UL1995, UL 60335-2-40 First Edition shall comply with CAN/CSA C22.2 No. 60335-2-40:17/UL 60335-2-40 Second Edition.

To ensure that the evaluations of products to the new standard are completed by the effective date of January 1, 2024, manufacturers shall apply no later than January 1, 2023.

ATTACHMENT 2

Affected Class Numbers

Class No:

1211 02, COMFORT CONDITIONING EQUIPMENT - Air Conditioning Apparatus
1211 03, COMFORT CONDITIONING EQUIPMENT - Central Type, Air Handling Equipment
1211 05, COMFORT CONDITIONING EQUIPMENT - Heat Pumps
1211 30, COMFORT CONDITIONING EQUIPMENT - Components, Parts and Subassemblies
1211 55, COMFORT CONDITIONING EQUIPMENT - (ELECTRICAL) Heat Pumps
1211 80, COMFORT CONDITIONING EQUIPMENT - Components, Parts and Subassemblies Certified to US Standard
1211 82, COMFORT CONDITIONING EQUIPMENT - Air Conditioning Apparatus - Certified to US Standards
1211 83, COMFORT CONDITIONING EQUIPMENT - Central Type Air Handling Equipment - Certified to US Standards
1211 85, COMFORT CONDITIONING EQUIPMENT - Heat Pumps - Certified to US Standards
1212 01, COMFORT CONDITIONING EQUIPMENT (ELECTRICAL) - Central Type, Combination Cooling/Heating
1212 81, COMFORT CONDITIONING EQUIPMENT (ELECTRICAL) - Central Type, Combination Cooling/Heating - Certified to US
1224 02, REFRIGERATION EQUIPMENT - Refrigerating Machines - Condensing Units
1224 82, REFRIGERATION EQUIPMENT - Condensing Units - Certified to US Standards
1231 01, WATER HEATERS - Heat Pump Heated
1231 81, WATER HEATERS - Heat Pump Heated - Certified to US Standards
1501 01, COMFORT CONDITIONING (GAS) - Combination Gas Heat/Air Conditioning Appliances
1501 03, COMFORT CONDITIONING (GAS) - Air Handling Units
1501 81, COMFORT CONDITIONING (GAS) - Combination Gas Heat/Air Conditioning Appliances - Certified to US Standards
1511 01, FURNACES (GAS) - Central - Residential
1511 02, FURNACES (GAS) - Central - Commercial
1511 81, FURNACES (GAS) - Central - Residential - Certified to US Standards
1511 82, FURNACES (GAS) - Central - Commercial - Certified to US Standards
1512 01, FURNACES (GAS) - WALL - Direct Vent
1512 02, FURNACES (GAS) - WALL - Vented
1512 81, FURNACES (GAS) - WALL - Direct Vent - Certified to US Standards
1512 82, FURNACES (GAS) - WALL - Certified to US Standards
2811 01, COMFORT CONDITIONING EQUIPMENT (ELECTRICAL) - Warm Air Furnaces
2811 81, COMFORT CONDITIONING EQUIPMENT (ELECTRICAL) - Warm Air Furnaces - Certified to US Standards

ATTACHMENT 3

Major Revisions

Clause(s)	Changes	File Review Required
1	Limits the use refrigerants to only those classified in ISO 817 or ASHRAE 34.	No
1DV.1	Expended scope to cover partial units	No
1DV.2	Expended scope to cover products with rated voltage from 601 V to 15 000 V.	No
1DV.3	Clarifies Class A2 includes class A2L.	No
3.127	Added definition for “factory sealed appliance”.	No
3.128	Added definition for “single package unit”.	No
5.10DV	Added deviation to allow the interconnecting line to be greater than 7.5m	No
7	Marking requirements for flammable refrigerants have changed. Applies to flammable refrigerants only.	Yes
8.15	Added requirement to clarify the placement of installation panels during testing.	No
11.2.1	The 2nd paragraph was added to provide a reference to the applicable figures 101a and 101b.	Yes
19	This entire clause has been rewritten.	Yes
19.14DV	Clarifies that if contacts have been tested for 250K cycles, redundant contacts are not required.	Yes
21.2	Added transportation vibration requirements for flammable refrigerants. Applies to flammable refrigerants only.	Yes
22.14	Clarifies that the requirement in part 1 does not apply to metallic fins on heat exchangers.	No
22.46	Clarifies that PEC software inspection of software is limited to relevant source code only to protect the IP of the manufacturer	Yes
22.118	Allows use of mechanical connections with flammable refrigerants. Applies to flammable refrigerants only.	No
32	Made this section of Part 1 applicable.	No
Annex FF. 2.4	Revised calculation for calculating volume.	No
Annex FF. 2.5	Revision of allowable concentration of flammable refrigerant gas.	No
Annex HH	Added informative annex	No
Annex 101.DVF	Added annex of requirements for partial units.	Yes
Annex 101.DVG	Added annex of requirements for appliances with transcritical refrigerants	Yes

Clause(s)	Changes	File Review Required
Annex 101.DVH	Added annex of requirements for appliance rated over 601 V to 15 000 V.	Yes
Annex 101.DVI	Added annex of requirements for non-metallic material flammability in proximity to electrical connections.	Yes

ATTACHMENT 4

Background and Rationale

CSA Standards in the 60335-series consist of one “Part 1” (60335-1) and several Part 2 Standards (60335-2-XX). Each Part 2 is for a more specific product type and works in conjunction with Part 1 by accepting the content of the clause without change, or by adding to, amending or omitting it. The latest edition of the Part 1 is CAN/CSA-C22.2 No. 60335-1:16/UL 60335-1 Sixth Edition.

Standard CAN/CSA-C22.2 No. 60335-2-40:12/UL 60335-2-40, First Edition was published in 2012. The effective date of this standard was announced by CSA Notice Heating and Cooling Equipment No. 8. This Standard is based on IEC Standard 60335-2-40 Edition 4.2. Additional requirements from Canadian and U.S. deviations incorporated into this standard have been minimized to assist manufacturers in producing one product for worldwide use.

Update No.1 to standard CAN/CSA-C22.2 No. 60335-2-40-12 / UL 60335-2-40, First Edition was published on May 15, 2017, to incorporate the revisions and includes numerous editorial changes for clarification of requirements. The effective date of Update No.1 to standard CAN/CSA-C22.2 No. 60335-2-40-12 / UL 60335-2-40, First Edition was announced by CSA Notice Heating and Cooling Equipment No. 10.

In Certification Notice Heating and Cooling Equipment No. 11, the original effective date of CAN/CSA-C22.2 No. 60335-2-40:17/UL 60335-2-40, Second Edition was November 30, 2022. However, since the Certification Notice was issued, other market forces have necessitated the manufacturers to redesign their products, Therefore, at the request of industry, CSA extended the effective date for CAN/CSA-C22.2 No. 60335-2-40:17/UL 60335-2-40, Second Edition to January 1, 2024.

In Certification Notice Heating and Cooling Equipment No. 11A, the effective date was extended to January 1, 2024, but all new submittals or changes after November 30, 2020 were mandated to use CAN/CSA-C22.2 No. 60335-2-40:17/UL 60335-2-40, Second Edition. However, in consideration of the necessary time needed for the transition and with the 3rd edition to be published soon, CSA Group has decided that the mandatory date November 30, 2020 for all new submittals or changes is no longer required, and the effective date January 1, 2024 is not changed and applies to both new submittals and currently-certified products. Note that the apply by date has changed to ensure adequate time is available to complete updates prior to the effective date.

Standard CAN/CSA-C22.2 No. 60335-2-40:17 has been approved by the Standards Council of Canada (SCC) as a National Standard of Canada.