

Air-Cooled Chillers (ACCL) and Water-Cooled Chillers (WCCL) Certification Program Update

2022

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Air-Cooled Water Chilling Packages
AHRI Standards 550/590 and 551/591

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Water-Cooled Water Chilling and
Heat Pump Water-Heating Packages
AHRI Standards 550/590 and 551/591

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Air-Cooled Water Chilling Packages
EN Standards 14511 and 14825

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Water-Cooled Water Chilling and
Heat Pump Water-Heating Packages
EN Standards 14511 and 14825

Updated Sections of the ACCL and WCCL OMs (2022)

➤ **Effective January 1, 2022**

- Section 1.3.1 – Optional Certification
 - Updated requirements
 - Examples added in Appendix A (WCCL) / Appendix B (ACCL)
- Section 3.5.1 – Test Stand Approval
 - Allow Standalone Facility Inspections at NPLV conditions for units that cannot run at IPLV conditions.
- Section 9.2 – Changes to Directory Listings
 - Require participants to provide an explanation of proposed changes instead of submitting DS1 form.
 - Add lists of Directory fields that require AHRI approval or are not editable.

Section 1.3.1 – Optional Certification

- **Why:** It should be clear from looking at the AHRI Directory and a software output report exactly what is certified and what is not. If a product is not certified, it must be differentiable from certified products in the Directory.
- **What:** Updated requirements (see below) and added examples in Appendix A (WCCL) / Appendix B (ACCL).

1.3.1 Optional Certification. If Participants certify units within the optional certification scope of the program as defined in Table 1, the following requirements apply:

- Any product that falls within the classifications of a Participant's public AHRI Directory listing must be certified.
- If a Participant chooses to optionally not certify a product based on criteria that is not listed in the AHRI Directory, the non-certified product shall carry a different Model Designation from the AHRI certified product.
- If a Participant manufactures the same product in multiple countries, and the product is optionally not certified from one or more countries of origin, country of origin must be listed on the Primary Catalog / Selection Rating Application Output Report.
- All units certified to EN Standards shall also be certified to AHRI Standards.

Section 3.5.1 – Test Stand Approval

- **Why: Align with existing allowances for certification tests and facility inspections conducted concurrently with a certification test.**
- **What: For facility inspections not conducted with a certification tests, allow units that are unable to operate at Standard Rating Conditions to be run at NPLV conditions.**

If the Test Stand Inspection is not conducted in conjunction with an AHRI Certification Test, then the chiller shall be run at 100% and 25% IPLV conditions in accordance with the Standard and data shall be collected to verify Test Stand capabilities. Units that are not able to operate at Standard Rating Conditions shall be tested at 100% and 25% NPLV conditions.

Section 9.2 - Changes to Directory Listings – DS1 Form

- **Why: DS1 form is unnecessary because AHRI can see the same information when Directory changes are submitted.**
- **What: Remove requirement to submit DS1 form. Instead require an explanation of proposed changes.**

9.2 Changes to Directory Listings. AHRI shall be informed of changes to certified products prior to such changes being implemented. The Participant shall submit the following to AHRI for approval:

- ~~An updated ACCL-DS1 form showing the exact~~ An explanation of the changes proposed, indication of any effects on published ratings, and an approximate date on which production of the changed chiller(s) is to begin.
- Updated Primary Catalog / Selection Rating Application that includes the updated performance.]

Section 9.2 - Changes to Directory Listings – List of Fields

- **Why:** Provide transparency and help participants better understand the Directory update and approval process
- **What:** Add a list of Directory fields requiring AHRI approval for edits and a list of fields that are not editable for existing listings.

AHRI approval is required for newly created Directory listings or changes to the following information fields:

- Refrigerant Used per ASHRAE 34
- Compressor Model Series Information
- Nominal Capacity Units
- Nominal Capacity Range (Low or High)
- Certified to EN 14511 and EN 14825

The following information in the AHRI Directory may not be changed for existing listings. If changes are needed, the Participant must create new listings and, if applicable, discontinue the old listings.

- Brand Name
- Model Designation
- Compressor Type
- Hertz
- Country of Origin
- Application
- Manufacturing Location, City
- Variable Speed Compressor Control Available

For updates to the Primary Catalog / Selection Rating Application refer to Section 9.1.3.