

**ERRATA SHEET FOR
ANSI/ASHRAE/IES STANDARD 90.1-2019 (SI Edition)
Energy Standard for Buildings Except Low-Rise Residential Buildings**

February 21, 2020

The corrections listed in this errata sheet apply to ANSI/ASHRAE/IES Standard 90.1-2019, SI Edition. The first printing is identified on the outside back cover of the standard as “Product code: 86272 1/20”. Shaded items have been added since the previously published errata sheet dated February 14, 2020 was distributed.

NOTICE: ASHRAE now has a list server for Standing Standards Project Committee 90.1 (SSPC 90.1). Interested parties can now subscribe and unsubscribe to the list server and be automatically notified via e-mail when activities and information related to the Standard and the User’s Manual is available. To sign up for the list server please visit **Project Committee List Servers for Standard** on the Technology / Standards section of the ASHRAE website at <https://www.ashrae.org/technical-resources/standards-and-guidelines/project-committee-list-servers>.

Page(s) Erratum

86 **6.4.1.3 Ceiling Fans.** Add the following informative note immediately following Section 6.4.1.3. (Note: Additions are shown in underline.)

6.4.1.3 Ceiling Fans

Large-diameter ceiling fans shall be rated in accordance with 10 CFR 430 Appendix U or AMCA 230. The following data shall be provided:

- a. Blade span (blade tip diameter)
- b. Rated airflow and power consumption at the maximum speed

Informative Note: See Informative Appendix F for the U.S. Department of Energy requirements for US applications.

147/148 **Table 6.8.9-17 Ceiling-Mounted Computer-Room Air Conditioners—Minimum Efficiency Requirements.** Change Table 6.8.9-17 to Table 6.8.1-17.

209 **Table 11.5.1 Modeling Requirements for Calculating Design Energy Cost and Energy Cost Budget (Continued).** Revise Section 13 of Table 11.5.1 as shown in the attached. (Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

291 **Informative Appendix F U.S. Department of Energy Minimum Energy Efficiency Requirements.** Revise Informative Appendix F as shown below. (Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

Informative Appendix F

U.S. Department of Energy Minimum Energy Efficiency Requirements, Test Procedures, and Definitions

In the United States, the U.S. Department of Energy establishes *efficiency* standards for products that it defines as “residential covered products.” Since these products are used in buildings covered by this standard, ~~the~~ DOE *efficiency* requirements are shown here for convenience. All DOE *efficiency* requirements for residential products are found in the U.S. *Code of Federal Regulations*, 10 CFR ~~Part 430 Subpart C, Section~~ 430.32.

DOE also establishes definitions and test procedures for covered products. These are found in 10 CFR 430.2 and 10 CFR 430.23, respectively.

[...]

F3 DOE Test Procedure and Definitions for Ceiling Fans

DOE definitions for ceiling fans are found in 10 CFR 430.2 and 10 CFR part 430, subpart B, appendix U. On or after January 23, 2017, manufacturers of ceiling fans must make any representations with respect to energy use or efficiency in accordance with the test procedure in 10 CFR part 430, subpart B, appendix U. DOE also specifies, in 10 CFR 430.32, design requirements for ceiling fans, and for ceiling fans manufactured on or after January 21, 2020, minimum efficiency requirements.

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Table G3.5.4 Performance Rating Method Electrically Operated Packaged Terminal Air Conditioners, Packaged Terminal Heat Pumps (efficiency ratings excluding supply fan power).
Deleting the superscript “a” in Minimum *Efficiency* in Table G3.5.4.

Table 11.5.1 Modeling Requirements for Calculating *Design Energy Cost* and *Energy Cost Budget* (Continued).

13. Refrigeration

Where refrigeration equipment in the proposed design is rated in accordance with AHRI 1200, the rated energy use shall be modeled. Otherwise, the proposed design shall be modeled using the actual equipment capacities and efficiencies.

Where refrigeration equipment is specified in the proposed design and listed in Table 6.8.1-~~13-11~~ the budget building design shall be modeled as specified in 6.8.1-~~13-11~~ using the actual equipment capacities.

If the refrigeration equipment is not listed in Table 6.8.1-~~13-11~~ the budget building design shall be modeled the same as the proposed design.