ADDENDA

ANSI/ASHRAE/IES Addendum aj to
ANSI/ASHRAE/IES Standard 90.1-2019

Energy Standard for Buildings Except Low-Rise Residential Buildings

Approved by ASHRAE and the American National Standards Institute on September 30, 2021, and by the Illuminating Engineering Society on September 27, 2021.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (https://www.ashrae.org/continuous-maintenance).

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c. offering constructive criticism for improving the Standard, or
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FOREWORD

Addendum ae on dry-type transformer changes to Section 8.4.4 and Table 8.4.4 included a new clarifying footnote that the efficiency of transformers not listed in that table should be based on linear interpolation. This update to Appendix G Table G3.1 adds the same clarification to determining the baseline transformer performance. This update will better align the standard with federal regulations.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum aj to Standard 90.1-2019

Modify Table G-1 as shown (I-P and SI units).

Table G-1 Modeling Requirements for Calculating Proposed and *Baseline Building Performance*

No.	*Proposed Building Performance*	*Baseline Building Performance*
[. . .]		
15. Distribution *Transformers*		
	Low-voltage dry-type distribution *transformers* shall be modeled if the *transformers* in the *proposed design* exceed the *efficiency* required in Table 8.4.4.	Low-voltage dry-type distribution *transformers* shall be modeled only if the *proposed design transformers* exceed the *efficiency* requirements of Table 8.4.4. A *transformer* with a *kVA* rating not listed in the table shall have its minimum *efficiency* level calculated by a linear interpolation of the *kVA* and *efficiency* values listed in the table immediately above and below its *kVA* rating. If modeled, the *efficiency* requirements from Table 8.4.4 or the interpolated *efficiency* requirements shall be used. The ratio of the capacity to peak electrical load of the *transformer* shall be the same as the ratio in the *proposed design*.
[. . .]		

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ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

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The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

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9/21