



# ADDENDA

**ANSI/ASHRAE Addendum c to  
ANSI/ASHRAE Standard 55-2020**

# Thermal Environmental Conditions for Human Occupancy

Approved by ASHRAE and the American National Standards Institute on April 30, 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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## FOREWORD

*Addendum c to Standard 55-2020 changes the lower limit of average air speed when using the Elevated Air Speed Comfort Zone Method from 0.2 m/s to 0.1 m/s. The change is to avoid the step change in the comfort zone that results from changing models at 0.2 m/s from the PMV model to the SET model.*

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

### Addendum c to Standard 55-2020

***Modify Section 5.3.2.1 as shown.***

**5.3.2.1 Applicability.** It is permissible to apply the method in this section to all spaces within the scope of this standard where the occupants have activity levels that result in average metabolic rates between 1.0 and 2.0 met, clothing insulation  $I_{cl}$  between 0.0 and 1.5 clo, and average air speeds  $V_a$  greater than ~~0.20 m/s (40 fpm)~~ 0.10 m/s (20 fpm).

***Modify Section D1 as shown. The remainder of Section D1 is unchanged.***

## D1. CALCULATION OVERVIEW

Section 5.3 requires that the Elevated Air Speed Comfort Zone Method be used when average air speed  $V_a$  is greater than ~~0.20 m/s (40 fpm)~~ 0.10 m/s (20 fpm). The SET model shall be used to account for the cooling effect of air speeds greater than the maximum allowed in the Analytical Comfort Zone Methods. This appendix describes the calculation procedures for the Elevated Air Speed Comfort Zone Method.

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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.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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