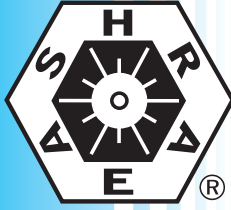


ANSI/ASHRAE Addendum h to
ANSI/ASHRAE Standard 62.1-2004



ASHRAE STANDARD

Ventilation for Acceptable Indoor Air Quality

Approved by the ASHRAE Standards Committee on January 27, 2007; by the ASHRAE Board of Directors on March 2, 2007; and by the American National Standards Institute on March 3, 2007.

This standard is under continuous maintenance 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. The change submittal form, instructions, and deadlines may be obtained in electronic form from the ASHRAE Web site, <http://www.ashrae.org>, or in paper form from the Manager of Standards. The latest edition of an ASHRAE Standard may be purchased from ASHRAE Customer Service, 1791 Tullie Circle, NE, Atlanta, GA 30329-2305. E-mail: orders@ashrae.org. Fax: 404-321-5478. Telephone: 404-636-8400 (worldwide), or toll free 1-800-527-4723 (for orders in US and Canada).

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ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

ASHRAE Standards are prepared by a Project Committee appointed specifically for the purpose of writing the Standard. The Project Committee Chair and Vice-Chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Standard. Every effort is made to balance the concerned interests on all Project Committees.

The Manager of Standards of ASHRAE should be contacted for:

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- b. participation in the next review of the Standard,
- c. offering constructive criticism for improving the Standard, or
- d. permission to reprint portions of the Standard.

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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum adds requirements for residential spaces into the ventilation rate table (Table 6-1) in the body of the standard. It also deletes Tables E-2 and E-3 from Appendix E, which provided ventilation requirements for residences and vehicles. The ventilation rates for residential spaces differ from those included in ANSI/ASHRAE Standard 62.2-2004 because that standard assumes that some ventilation will be provided through infiltration and it requires operable windows to provide extra ventilation when needed. Standard 62.1-2004 rates are independent of infiltration and operable windows, which are not always applicable in high-rise construction, so the area based rates are increased significantly relative to the rates in Standard 62.2-2004.

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

Addendum h to 62.1-2004

Add the following to Table 6-1:

(**Note:** The rest of Table 6-1 remains unchanged.)

TABLE 6-1 Minimum Ventilation Rates in Breathing Zone
(This table is not valid in isolation; it must be used in conjunction with the accompanying notes.)

Occupancy Category	People Outdoor Air Rate R_P		Area Outdoor Air Rate R_A		Notes	Default Values			Air Class
	cfm/person	L/s•person	cfm/ft ²	L/s•m ²		Occupant Density (see Note 4)	Combined Outdoor Air Rate (see Note 5)		
						#/1000 ft ² or #/100 m ²	cfm/person	L/s•person	
Residential									
<u>Dwelling unit</u>	<u>5</u>	<u>2.5</u>	<u>0.06</u>	<u>0.3</u>	<u>F, G</u>	<u>F</u>			<u>1</u>
<u>Common corridors</u>	=	=	<u>0.06</u>	<u>0.3</u>					<u>1</u>

Modify Note 7 to Table 6-1 as follows:

7 ~~Residential facilities, Health care facilities and Vehicles:~~ Rates shall be determined in accordance with Appendix E.

Add the following to the Item-Specific Notes for Table 6-1:

F Default occupancy for dwelling units shall be two persons for studio and one-bedroom units, with one additional person for each additional bedroom.

G. Air from one residential dwelling shall not be recirculated or transferred to any other space outside of that dwelling.

Add the following to Table 6-4:

(**Note:** The rest of Table 6-4 remains unchanged.)

TABLE 6-4 Minimum Exhaust Rates

Occupancy Category	Exhaust Rate, cfm/unit	Exhaust Rate, cfm/ft ²	Notes	Exhaust Rate, L/s-unit	Exhaust Rate, L/s-m ²	Air Class
<u>Residential kitchen</u>	<u>50/100</u>	=	<u>G</u>	<u>25/50</u>	=	<u>2</u>

Add the following note to Table 6.4:

G For continuous system operation, the lower rate may be used. Otherwise use the higher rate.

Delete Tables E-2 and E-3 from normative Appendix E, including all associated notes.

**POLICY STATEMENT DEFINING ASHRAE'S CONCERN
FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES**

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.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating standards and guidelines.

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.