ADDENDA

ANSI/ASHRAE Addendum f to
ANSI/ASHRAE Standard 62.2-2010

Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings

Approved by the ASHRAE Standards Committee on January 21, 2012; by the ASHRAE Board of Directors on January 25, 2012; and by the American National Standards Institute on January 26, 2012.

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FOREWORD

This addendum modifies Table 5.3 to correct some errors and extend the table to higher airflows. These changes extend the application range of Table 5.3 and include some updated values based on newer data.

***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 f to Standard 62.2-2010

[Note: Table 5.3 includes currently published errata posted at www.ashrae.org/technology/page/120.]
[Revise Table 5.3 as follows:]

TABLE 5.3 Prescriptive Duct Sizing

Duct Type	Flex Duct								Smooth Duct							
Fan Airflow Rating cfm @ 0.25 in. wg (L/s @ 62.5 Pa)	50 (25)	80 (40)	100 (50)	125 (65)	150 (75)	200 (100)	250 (125)	300 (150)	50 (25)	80 (40)	100 (50)	125 (65)	150 (75)	200 (100)	250 (125)	300 (150)
Diameter[1], in. (mm)	Maximum Length[2,3,4] ft. (m)															
3 (75)	X	X	X	X	X	X	X	X	5(2)	X	X	X	X	X	X	X
4 (100)	56 (17) ~~70 (21)~~	4 (1) ~~3 (1)~~	X	X	X	X	X	X	114 (35) ~~105 (32)~~	31 (9) ~~35 (11)~~	10 (3) ~~5(2)~~	X	X	X	X	X
5 (125)	NL	81 (25) ~~70 (21)~~	42 (9) ~~35 (11)~~	16 (5) ~~20 (7)~~	2 (0.6)	X	X	X	NL	152 (46) ~~135 (42)~~	91 (28) ~~85 (26)~~	51 (16) ~~55 (17)~~	28 (9)	4 (1)	X	X
6 (150)	NL	NL	158 (48) ~~135 (42)~~	91 (28) ~~95 (29)~~	55 (17)	18 (5)	1 (0.3)	X	NL	NL	NL	168 (51) ~~145 (45)~~	112 (34)	53 (16)	25 (8)	9 (3)
7 (175) ~~and above~~	NL	NL	NL	NL	161 (49)	78 (24)	40 (12)	19 (6)	NL	NL	NL	NL	NL	148 (45)	88 (27)	54 (16)
8 (200) and above	NL	NL	NL	NL	NL	189 (58)	111 (34)	69 (21)	NL	NL	NL	NL	NL	NL	198 (60)	133 (41)

1. For noncircular ducts, calculate the diameter as four times the cross-sectional area divided by the perimeter.
2. This table assumes no elbows. Deduct 15 ft (5 m) of allowable duct length for each elbow.
3. NL = no limit on duct length of this size.
4. X = not allowed; any length of duct of this size with assumed turns and fitting will exceed the rated pressure drop.

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.

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