



**BSR/ASHRAE Addendum t
to ANSI/ASHRAE Standard 62.2-2022**

Public Review Draft

Proposed Addendum t to Standard 62.2-2022, Ventilation and Acceptable Indoor Air Quality in Residential Buildings

**First Public Review (May 2025)
(Draft shows Proposed Changes to Current Standard)**

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FOREWORD

This proposed addendum provides a second option for prescriptive duct sizing: use of a nominal installed airflow (NIA) rating and confirmation that the duct system complies with the nominal duct system assumed for an NIA rating.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum t to 62.2-2022

Add new definition to Section 3.1 as shown below. The remainder of Section 3.1 is unchanged.

3. DEFINITIONS

3.1 Terms

nominal installed airflow (NIA): an airflow rating determined in accordance with HVI 920, or equivalent, from the working point, which is the intersection of a test report airflow curve and the nominal duct system curve at the same duct dimension.

Revise Section 5.4 as shown below.

5.4 Airflow Measurement. The airflow required by this section is the quantity of indoor air exhausted by the ~~ventilation-exhaust~~ system as installed and ~~shall be measured according to the ventilation equipment exhaust system~~ manufacturer instructions, or by using integrated diagnostic equipment, a flow hood, flow grid, or other airflow measuring device at the ~~mechanical ventilation-exhaust~~ system's terminals/grilles or in the connected ~~ventilation~~ ducts.

Exceptions to 5.4:

1. Manufacturer design criteria or the prescriptive requirements of Table 5-3 shall be permitted in place of a measurement. ~~When~~ using Table 5-3, the airflow rating according to Section 7.1 shall ~~meet or exceed~~ be at a static pressure ~~of not less than~~ 0.25 in. of water (62.5 Pa). Use of Table 5-3 is limited to duct systems ~~not exceeding more than~~ 25 ft (8.76 m) in length, ~~duct systems with the pressure drop of all bends not exceeding that associated with no more than three (3) 90° elbows, and duct systems with an exterior termination fittings having an equivalent diameter greater than or equal to not less than the minimum duct and fan outlet equivalent diameters and not less than the equivalent diameter of the fan outlet.~~
2. An NIA rating shall be permitted in place of a measurement for duct systems complying with all of the following:
 - a. The duct length is not more than 10 ft (3.0 m).

- b. The pressure drop of all bends does not exceed that associated with two 90° elbows.
- c. The equivalent diameter of the duct and of the exterior termination fitting's inlet are not less than the equivalent diameter of the NIA rating.

Revise Section 10 References as shown below. The remainder of Section 10 is unchanged.

10. References

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HVI Publication 920 (20202024)

Product Performance Certification and Surveillance Procedure ~~Including~~ 3.1, 7.1
~~Verification and Challenge~~
