

## CHAPTER 6 [CE] REFERENCED STANDARDS

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### AAMA

American Architectural  
Manufacturers Association  
1827 Walden Office Square  
Suite 550  
Schaumburg, IL 60173-  
4268

**AAMA/WDMA/CSA 101/I.S.2/A 440—17: North American Fenestration Standard/Specifications for  
Windows, Doors and Unit  
Skylights**

Table C402.5.2

<https://www.wdma.com/window-entry-door-and-skylight-standards>

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### AHAM

Association of Home  
Appliance Manufacturers  
1111 19th Street NW, Suite  
402  
Washington, DC 20036

**ANSI/AHAM RAC-1—2015: Room Air Conditioners**

Table C403.3.2(3)

[https://webstore.ansi.org/Standards/AHAM/ANSIAHAMRA  
C2015](https://webstore.ansi.org/Standards/AHAM/ANSIAHAMRA C2015)

**AHAM HRF-1—2016: Energy, Performance and Capacity of Household Refrigerators, Refrigerator-  
Freezers and Freezers**

Table C403.10.1

[https://webstore.ansi.org/Standards/AHAM/AHAMH  
RF2016?source=blog&\\_ga=2.40943588.731630646.  
1668790694-603282858.1668790693](https://webstore.ansi.org/Standards/AHAM/AHAMH RF2016?source=blog&_ga=2.40943588.731630646.1668790694-603282858.1668790693)

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### AHRI

Air-Conditioning, Heating, &  
Refrigeration Institute  
2111 Wilson Blvd, Suite  
500  
Arlington, VA 22201

**ISO/AHRI/ASHRAE 13256-1 (2017): Water-to-Air and Brine-to-Air Heat Pumps—Testing and Rating for  
Performance**

Table C403.3.2(2)

[https://www.techstreet.com/standards/ashrae-13256-1-1998-ra-2012?product\\_id=1843289](https://www.techstreet.com/standards/ashrae-13256-1-1998-ra-2012?product_id=1843289)

**ISO/AHRI/ASHRAE 13256-2 (1998 RA2014): Water-to-Water and Brine-to-Water Heat Pumps —Testing and Rating for Performance**

Table C403.3.2(2)

[https://www.techstreet.com/standards/iso-13256-2-2021?product\\_id=2222355](https://www.techstreet.com/standards/iso-13256-2-2021?product_id=2222355)

**210/240—2017 and 2023: Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment**

Table C403.3.2(1), Table C403.3.2(2)

<https://www.ahrinet.org/search-standards/ahri-210240-2023-2020-performance-rating-unitary-air-conditioning-air-source-heat>

**310/380—2017 (CSA-C744-17): Standard for Packaged Terminal Air Conditioners and Heat Pumps**

Table C403.3.2(3)

<https://www.ahrinet.org/search-standards/ahri-310380-2017-packaged-terminal-air-conditioners-and-heat-pumps-csa-c744-17>

**340/360—2019: Performance Rating of Commercial and Industrial Unitary Air-conditioning and Heat Pump Equipment**

Table C403.3.2(1), Table C403.3.2(2)

<https://www.ahrinet.org/search-standards/ahri-340360-i-p2022-performance-rating-commercial-and-industrial-unitary-air>

**365(I-P)—2009: Commercial and Industrial Unitary Air-conditioning Condensing Units**

Table C403.3.2(1), Table C403.3.2(6)

<https://www.ahrinet.org/search-standards/ahri-365-i-p2009-commercial-and-industrial-unitary-air-conditioning-condensing-units>

**390 (I-P)—2003: Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps**

Table C403.3.2(3)

<https://www.ahrinet.org/search-standards/ahri-390-i-p2021-performance-rating-single-package-vertical-air-conditioners-and-heat-pumps>

**400 (I-P)—2015: Performance Rating of Liquid to Liquid Heat Exchangers**

Table C403.3.2(10)

<https://www.ahrinet.org/search-standards/ahri-400-i-p2015-performance-rating-liquid-liquid-heat-exchangers>

**440—2008: Performance Rating of Room Fan Coils—with Addendum 1**

C403.11.3

<https://www.ahrinet.org/search-standards/ahri-440-2008-performance-rating-room-fan-coils-addendum-1>

**460—2005: Performance Rating of Remote Mechanical-draft Air-cooled Refrigerant Condensers**

Table C403.3.2(8)

<https://www.ahrinet.org/search-standards/ahri-460-2005-performance-rating-remote-mechanical-draft-air-cooled-refrigerant>

**550/590 (I-P)—2018: Performance Rating of Water-chilling and Heat Pump Water-heating Packages Using the Vapor Compression Cycle**

C403.3.2.1, Table C403.3.2(7)

<https://www.ahrinet.org/search-standards/ahri-550590-i-p2020-performance-rating-water-chilling-and-heat-pump-water-heating-packages-using>

**560—2018: Absorption Water Chilling and Water Heating Packages**

Table C403.3.2(7)

<https://www.ahrinet.org/search-standards/ahri-560-2000-absorption-water-chilling-and-water-heating-packages>

**910—2014: Performance Rating of Indoor Pool Dehumidifiers**

Table C403.3.2(11)

<https://www.ahrinet.org/search-standards/ahri-910-i-p2014-performance-rating-indoor-pool-dehumidifiers>

**920—2015: Performance Rating of DX-Dedicated Outdoor Air System Units**

Table C403.3.2(12), Table C403.3.2(13)

<https://www.ahrinet.org/search-standards/ahri-920-i-p2020-performance-rating-direct-expansion-dedicated-outdoor-air-system>

**1160 (I-P) —2014: Performance Rating of Heat Pump Pool Heaters (with Addendum 1)**

Table C404.2

<https://www.ahrinet.org/search-standards/ahri-1160-i-p2014-performance-rating-heat-pump-pool-heaters-addendum-1>

**1200 (I-P)—2013: Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets**

C403.10, Table C403.10.1(1), Table C403.10.1(2)

<https://www.ahrinet.org/search-standards/ahri-1200-i-p2013-performance-rating-commercial-refrigerated-display-merchandisers>

**1230—2014: Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air Conditioning and Heat Pump Equipment (with Addendum 1)**

Table C403.3.2(9)

<https://www.ahrinet.org/search-standards/ahri-1230-i-p-2021-performance-rating-variable-refrigerant-flow-vrf-multi-split>

**1250 (I-P)—2014: Standard for Performance Rating in Walk-in Coolers and Freezers**

Table C403.11.2.1(3)

<https://www.ahrinet.org/search-standards/ahri-1250-i-p2020-performance-rating-walk-coolers-and-freezers>

**1360—2017: Performance Rating of Computer and Data Processing Room Air Conditioners**

Table C403.3.2(10), Table C403.3.2(16)

<https://www.ahrinet.org/search-standards/ahri-1360-i-p2017-performance-rating-computer-and-data-processing-room-air>

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# AMCA

Air Movement and Control  
Association International  
30 West University Drive  
Arlington Heights, IL 60004-  
1806

**208—18: Calculation of the Fan Energy Index**

C403.8.3

<https://webstore.ansi.org/Standards/AMCA/ANSIAMCA20818>

**220—19: Laboratory Methods of Testing Air Curtain Units for Aerodynamic Performance Rating**

C402.5.6

<https://webstore.ansi.org/Standards/AMCA/ANSIAMCA22021>

**500D—18: Laboratory Methods for Testing Dampers for Rating**

C403.7.7

<https://webstore.ansi.org/Standards/AMCA/ANSIAMCA50018>

**230—15: Laboratory Methods of Testing Air Circulating Fans for Rating and Certification**

C403.9

<https://webstore.ansi.org/Standards/AMCA/ANSIAMCA23015>

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# ANSI

American National Standards  
Institute  
25 West 43rd Street, 4<sup>th</sup> Floor  
New York, NY 10036

**Z21.10.3/CSA 4.3—17: Gas Water Heaters, Volume III—Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating Tank and Instantaneous**

Table C404.2

<https://webstore.ansi.org/Standards/CSA/CSAANSIZ2110192019>

**Z21.47/CSA 2.3—16: Gas-fired Central Furnaces**

Table C403.3.2(4)

<https://webstore.ansi.org/Standards/CSA/CSAANSIZ2147212021>

**Z83.8/CSA 2.6—16: Gas Unit Heaters, Gas Packaged Heaters, Gas Utility Heaters and Gas-fired Duct Furnaces**

Table C403.3.2(4)

<https://webstore.ansi.org/Standards/CSA/CSAANSIZ832016R2021>

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# APSP

The Association of Pool & Spa  
Professionals  
2111 Eisenhower Avenue,

**14—2019: American National Standard for Portable Electric Spa Energy Efficiency**

C404.10

<https://webstore.ansi.org/Standards/APSP/ANSIAPSPICC142019>

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# ASABE

American Society of  
Agricultural and Biological  
Engineers  
2950 Niles Road  
St. Joseph, MI 49085

**S640—2017: Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms)**

C405.4

<https://webstore.ansi.org/Standards/ASABE/ANSIASABES640JUL2017R2022>

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# ASHRAE

ASHRAE  
1791 Tullie Circle NE  
Atlanta, GA 30329

**ANSI/ASHRAE/ACCA Standard 183—2007 (RA2017): Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings**

C403.1.1

<https://webstore.ansi.org/Standards/ASHRAE/ANSIASHRAEACCA1832007R2020>

**ANSI/ASHRAE Standard 62.1—2022: Ventilation for Acceptable Indoor Air Quality**

C201.3, C403.2.2, C403.6.1, C403.7.1, C403.7.4,  
C403.7.7, C403.8.5.1, C406.6, C501.4

<https://webstore.ansi.org/Standards/ASHRAE/ANSIASHRAE622022>

**ASHRAE—2020: ASHRAE HVAC Systems and Equipment Handbook—2020**

C403.1.1

<https://webstore.ansi.org/Standards/ASHRAE/2020ASHRAEHandbookHVACSysEq>

**ISO/AHRI/ASHRAE 13256-1 (1998 RA2014): Water-to-Air and Brine-to-Air Heat Pumps—Testing and Rating for Performance**

Table C403.3.2(2)

<https://webstore.ansi.org/Standards/ISO/ISO132562021>

**ISO/AHRI/ASHRAE 13256-2 (1998 RA2014): Water-to-Water and Brine-to-Water Heat Pumps—Testing and Rating for Performance**

Table C403.3.2(2)

<https://webstore.ansi.org/Standards/ISO/ISO132562021-2440446>

**55—2017: Thermal Environmental Conditions for Human Occupancy**

Table C407.5.1

<https://webstore.ansi.org/Standards/ASHRAE/ANSIASHRAE552020>

**90.1—2019: Energy Standard for Buildings Except Low-rise Residential Buildings**

C401.2, Table C402.1.3, Table C402.1.4, C406.2,  
Table C407.6.1, C502.1, C503.1, C504.1

<https://webstore.ansi.org/Standards/ASHRAE/ANSIASHRAEIES902019>

**90.4—2016: Energy Standard for Data Centers**

C403.1.2, C405.2.4

<https://webstore.ansi.org/Standards/ASHRAE/ANSIASHRAE902019>

**140—2014: Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs**

C407.6.1

<https://webstore.ansi.org/Standards/ASHRAE/ansiashraestandard1402014>

**146—2011: Testing and Rating Pool Heaters**

Table C404.2

<https://webstore.ansi.org/Standards/ASHRAE/ANSIASHRAE1462020>

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# ASME

American Society of  
Mechanical Engineers  
Two Park Avenue  
New York, NY 10016-5990

**ASME A17.1—2019/CSA B44—19: Safety Code for Elevators and Escalators**

C405.8.2

<https://webstore.ansi.org/Standards/CSA/CSAASMEA172013B44>

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# ASTM

ASTM International  
100 Barr Harbor Drive, P.O.  
Box C700  
West Conshohocken, PA  
19428-2959

**C90—2016A: Specification for Load-bearing Concrete Masonry Units**

Table C401.3

[https://global.ihs.com/doc\\_detail.cfm?&input\\_doc\\_number=&input\\_doc\\_title=&document\\_name=ASTM%20C90&item\\_s\\_key=00015193&item\\_key\\_date=830016&origin=DSSC](https://global.ihs.com/doc_detail.cfm?&input_doc_number=&input_doc_title=&document_name=ASTM%20C90&item_s_key=00015193&item_key_date=830016&origin=DSSC)

**C1363—11: Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus**

C303.1.4.1, Table C402.1.4, 402.2.7  
<https://webstore.ansi.org/Standards/ASTM/ASTMC136311>

**C1371—15: Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers**

Table C402.3  
<https://webstore.ansi.org/Standards/ASTM/ASTMC13711520>  
[22](#)

**C1549—2016: Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer**

Table C402.3  
<https://webstore.ansi.org/Standards/ASTM/ASTMC15491620>  
[22](#)

**D1003—13: Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics**

C402.4.2.2  
<https://webstore.ansi.org/Standards/ASTM/ASTMD100313>

**D8052/D8052M—2017: Standard Test Method for Quantification of Air Leakage in Low-Sloped Membrane Roof Assemblies**

C402.5.1.4  
<https://webstore.ansi.org/Standards/ASTM/ASTMD8052D8052M17>

**E283—2004(2012): Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen**

C402.5.1.2.2, Table C402.5.2, C402.5.7  
<https://webstore.ansi.org/Standards/ASTM/ASTME28304201>  
[2](#)

**E408—13: Test Methods for Total Normal Emittance of Surfaces Using Inspection-meter Techniques**

Table C402.3  
<https://webstore.ansi.org/Standards/ASTM/ASTME40813201>  
[9](#)

**E779—10(2018): Standard Test Method for Determining Air Leakage Rate by Fan Pressurization**

C402.5  
<https://webstore.ansi.org/Standards/ASTM/ASTME77919>

**E903—2012: Standard Test Method Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres (Withdrawn 2005)**

Table C402.3  
<https://webstore.ansi.org/Standards/ASTM/ASTME90312>

**E1677—11: Specification for Air Barrier (AB) Material or Systems for Low-rise Framed Building Walls**

C402.5.1.2.2  
<https://webstore.ansi.org/Standards/ASTM/ASTME167711>

**E1827—2011(2017): Standard Test Methods for Determining Airtightness of Building Using an Orifice Blower Door**

C402.5, C406.9, C606.4

<https://webstore.ansi.org/Standards/ASTM/ASTME18271120>  
[17](#)

**E1918—06(2016): Standard Test Method for Measuring Solar Reflectance of Horizontal or Low-sloped Surfaces in the Field**

Table C402.3

<https://webstore.ansi.org/Standards/ASTM/ASTME191816>

**E1980—11: Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-sloped Opaque Surfaces**

Table C402.3, C402.3.2

<https://webstore.ansi.org/Standards/ASTM/ASTME198011>

**E2178—13: Standard Test Method for Air Permanence of Building Materials**

C402.5.1.2.1

<https://webstore.ansi.org/Standards/ASTM/ASTME217813>

**E2357—2018: Standard Test Method for Determining Air Leakage of Air Barriers Assemblies**

C402.5.1.2.2

<https://webstore.ansi.org/Standards/ASTM/ASTME235718>

**E3158—2018: Test Method for Measuring the Air Leakage Rate of a Large or Multizone Building**

Section C402.5.3

<https://webstore.ansi.org/Standards/ASTM/ASTME315818>

**F1281—2017: Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe**

Table C404.5.2.1

<https://webstore.ansi.org/Standards/ASTM/ASTMF128217>

**F1361—2017: Standard Test Method for Performance of Open Deep Fat Fryers**

Table C406.12(1)

<https://webstore.ansi.org/Standards/ASTM/ASTMF136117>

**F1484—2018: Standard Test Method for Performance of Steam Cookers**

Table C406.12(2)

<https://webstore.ansi.org/Standards/ASTM/ASTMF148418>

**F1495—2014a: Standard Specification for Combination Oven Electric or Gas Fired**

Table C406.12(4)

<https://webstore.ansi.org/Standards/ASTM/ASTMF149514a>

**F1496—2013: Standard Test Method for Performance of Convection Ovens**

Table C406.12(4)

<https://webstore.ansi.org/Standards/ASTM/ASTMF149613>

**F1696—2018: Standard Test Method for Energy Performance of Stationary-Rack, Door-Type Commercial Dishwashing Machines**

Table C406.12(3)

<https://webstore.ansi.org/Standards/ASTM/ASTMF169615>

**F1920—2015: Standard Test Method for Performance of Rack Conveyor Commercial Dishwashing Machines**

Table C406.12(3)

<https://webstore.ansi.org/Standards/ASTM/ASTMF192015>



**F2093—2018: Standard Test Method for Performance of Rack Ovens**  
Table C406.12(4)  
<https://webstore.ansi.org/Standards/ASTM/ASTMF209318>

**F2144—2017: Standard Test Method for Performance of Large Open Vat Fryers**  
Table C406.12(1)  
<https://webstore.ansi.org/Standards/ASTM/ASTMF214417>

**F2861—2017: Standard Test Method for Enhanced Performance of Combination Oven in Various Modes**  
Table C406.12(4)  
<https://webstore.ansi.org/Standards/ASTM/ASTMF286117>

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## CRRC

Cool Roof Rating Council  
2435 North Lombard Street  
Portland, OR 97217

**ANSI/CRRC-S100—2020: Standard Test Methods for Determining Radiative Properties of Materials**  
Table C402.3, C402.3.1  
[https://coolroofs.org/documents/ANSI-CRRC-S100-2021\\_Final.pdf](https://coolroofs.org/documents/ANSI-CRRC-S100-2021_Final.pdf)

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## CSA

CSA Group  
8501 East Pleasant Valley Road  
Cleveland, OH 44131-5516

**AAMA/WDMA/CSA 101/I.S.2/A440—17: North American Fenestration Standard/Specification for Windows, Doors and Unit Skylights**  
Table C402.5.2  
<https://webstore.ansi.org/Standards/CSA/CSAA4402018>

**CSA B55.1—2015: Test Method for Measuring Efficiency and Pressure Loss of Drain Water Heat Recovery Units**  
C404.8  
<https://webstore.ansi.org/Standards/CSA/CSAB552015>

**CSA B55.2—2015: Drain Water Heat Recovery Units**  
C404.8  
<https://webstore.ansi.org/Standards/CSA/CSAB552015-1533305>

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## CTI

Cooling Technology Institute  
P. O. Box 681807  
Houston, TX 77268

**ATC 105—2019: Acceptance Test Code for Water Cooling Tower**  
Table C403.3.2(8)  
[https://global.ihs.com/doc\\_detail.cfm?&input\\_doc\\_number=&input\\_doc\\_title=&document\\_name=CTI%20ATC%2D105&items\\_key=00024769&item\\_key\\_date=770331&origin=DSSC](https://global.ihs.com/doc_detail.cfm?&input_doc_number=&input_doc_title=&document_name=CTI%20ATC%2D105&items_key=00024769&item_key_date=770331&origin=DSSC)

**ATC 105DS—2018 : Acceptance Test Code for Dry Fluid Coolers**  
Table C403.3.2(7)

[https://global.ihs.com/doc\\_detail.cfm?&item\\_s\\_key=00847031&item\\_key\\_date=810531&input\\_doc\\_number=105DS&input\\_doc\\_title=](https://global.ihs.com/doc_detail.cfm?&item_s_key=00847031&item_key_date=810531&input_doc_number=105DS&input_doc_title=)

**ATC 105S—11: Acceptance Test Code for Closed Circuit Cooling Towers**

Table C403.3.2(8)

[https://global.ihs.com/doc\\_detail.cfm?&item\\_s\\_key=00646292&item\\_key\\_date=880531&input\\_doc\\_number=105S&input\\_doc\\_title=](https://global.ihs.com/doc_detail.cfm?&item_s_key=00646292&item_key_date=880531&input_doc_number=105S&input_doc_title=)

**ATC 106—11: Acceptance Test for Mechanical Draft Evaporative Vapor Condensers**

Table C403.3.2(8)

[https://global.ihs.com/doc\\_detail.cfm?&item\\_s\\_key=00453671&item\\_key\\_date=880531&input\\_doc\\_number=ACCEPTANCE%20TEST%20FOR%20MECHANICAL%20DRAFT%20EVAPORATIVE%20VAPOR%20CONDENSERS&input\\_doc\\_title=](https://global.ihs.com/doc_detail.cfm?&item_s_key=00453671&item_key_date=880531&input_doc_number=ACCEPTANCE%20TEST%20FOR%20MECHANICAL%20DRAFT%20EVAPORATIVE%20VAPOR%20CONDENSERS&input_doc_title=)

**STD 201—11: Standard for Certification of Water Cooling Towers Thermal Performances**

Table C403.3.2(8)

[https://global.ihs.com/doc\\_detail.cfm?&document\\_name=CTI%20STD%20201%20OM&item\\_s\\_key=00611936&item\\_key\\_date=780231](https://global.ihs.com/doc_detail.cfm?&document_name=CTI%20STD%20201%20OM&item_s_key=00611936&item_key_date=780231)

**CTI STD 201 RS(17): Performance Rating of Evaporative Heat Rejection Equipment**

Table C403.3.2(8)

[https://global.ihs.com/doc\\_detail.cfm?&item\\_s\\_key=00611937&item\\_key\\_date=801031&input\\_doc\\_number=STD%20201&input\\_doc\\_title=](https://global.ihs.com/doc_detail.cfm?&item_s_key=00611937&item_key_date=801031&input_doc_number=STD%20201&input_doc_title=)

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## DASMA

Door & Access Systems  
Manufacturers Association,  
International  
1300 Sumner Avenue  
Cleveland, OH 44115-2851

**105—2017: Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors**

<https://www.dasma.com/wp-content/uploads/2022/03/ANSI-DASMA-105-2017-DASMA.pdf>

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## DOE

U.S. Department of Energy  
c/o Superintendent of  
Documents  
1000 Independence Avenue  
SW  
Washington, DC 20585

**10 CFR, Part 430—2015: Energy Conservation Program for Consumer Products: Test Procedures and Certification and Enforcement Requirement for Plumbing Products; and Certification and Enforcement Requirements for Residential Appliances; Final Rule**

Table C403.3.2(4), Table C403.3.2(5), Table C404.2

<https://ecfr.io/Title-10/pt10.3.430>

**10 CFR, Part 430, Subpart B, Appendix N—(2015): Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers**

C202

<https://ecfr.io/Title-10/pt10.3.430>

**10 CFR, Part 431—2015: Energy Efficiency Program for Certain Commercial and Industrial Equipment: Test Procedures and Efficiency Standards; Final Rules**

Table C403.3.2(5), C405.6, Table C405.6, C405.7

<https://ecfr.io/Title-10/pt10.3.431>

**10 CFR 431 Subpart B App B: Uniform Test Method for Measuring Nominal Full Load Efficiency of Electric Motors**

C403.8.4, Table C405.7(1), Table C405.7(2), Table C405.7(3), C405.7(4)

<https://ecfr.io/Title-10/pt10.3.431>

**NAECA 87—(88): National Appliance Energy Conservation Act 1987 [Public Law 100-12 (with Amendments of 1988-P.L. 100-357)]**

Table C403.3.2(1), Table C403.3.2(2), Table C403.3.2(4)

<https://appliance-standards.org/federal-legislation/national-appliance-energy-conservation-act-1987>

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## HVI

Home Ventilating Institute  
1740 Dell Range Blvd Ste  
H, PMB 45  
Cheyenne, WY 82009

**916-18 : Airflow Test Procedure**

C403.8.5

<https://docplayer.net/56830312-Hvi-airflow-test-procedure.html>

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## ICC

International Code Council,  
Inc.  
500 New Jersey Avenue NW  
6th Floor  
Washington, DC 20001

**ANSI/RESNET/ICC—19: Standard for Testing Airtightness of Building, Dwelling Unit and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems**

C402.5.2, C402.5.3

**IBC—21: International Building Code<sup>®</sup>**

C201.3, C303.2, C402.5.3, C501.4

<https://webstore.ansi.org/Standards/ICC/ICCIBC2021>

**ICC 500—2020: Standard for the Design and Construction of Storm Shelters**

C402.4.2

<https://shop.iccsafe.org/icc-500-2020-icc-nssa-standard-for-the-design-and-construction-of-storm-shelters.html>

**IFC—21: International Fire Code<sup>®</sup>**

C201.3, C501.4

<https://webstore.ansi.org/Standards/ICC/ICCIFC2021>

**IFGC—21: International Fuel Gas Code<sup>®</sup>**

C201.3, C501.4

<https://webstore.ansi.org/Standards/ICC/ICCIFGC2021>

**IPC—21: International Plumbing Code<sup>®</sup>**

C201.3, C501.4

<https://webstore.ansi.org/Standards/ICC/ICCIPC2021>

**IPMC—21: International Property Maintenance Code<sup>®</sup>**

C501.4

<https://shop.iccsafe.org/2021-international-property-maintenance-coder.html>

**IPSDC—21: International Private Sewage Disposal Code<sup>®</sup>**

C501.4

<https://shop.iccsafe.org/2021-international-property-maintenance-coder.html>

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## IEEE

Institute of Electrical and  
Electronic Engineers  
3 Park Avenue, 17<sup>th</sup> Floor  
New York, NY 10016

**IEEE 515.1—2012: IEE Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Commercial Applications**

C404.6.2

<https://webstore.ansi.org/Standards/IEEE/IEEE5152022>

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## IES

Illuminating Engineering Society  
120 Wall Street, 17th Floor  
New York, NY 10005-4001

**ANSI/ASHRAE/IESNA 90.1—2019: Energy Standard for Buildings, Except Low-rise Residential Buildings**

C401.2, Table C402.1.3, Table C402.1.4, C406.2, C502.1,  
C503.1, C504.1

<https://shop.iccsafe.org/ansi-ashrae-ies-standard-90-1-2019-energy-standard-for-buildings-except-low-rise-residential-buildings-i-p-edition.html>

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# ISO

International Organization for  
Standardization  
Chemin de Blandonnet 8, CP  
401, 1214 Vernier  
Geneva, Switzerland

## **ISO/AHRI/ASHRAE 13256-1(2017): Water-to-Air and Brine-to-Air Heat Pumps -Testing and Rating for Performance**

Table C403.3.2(2)

<https://shop.iccsafe.org/ansi-ari-ashrae-iso-13256-1-1998-ra-2012-water-source-heat-pumps-testing-and-rating-for-performance-part-1-water-to-air-and-brine-to-air-heat-pumps.html>

## **ISO/AHRI/ASHRAE 13256-2(2017): Water-to-Water and Brine-to-Water Heat Pumps -Testing and Rating for Performance**

C403.3.2(2)

<https://shop.iccsafe.org/ansi-ari-ashrae-iso-13256-2-1998-ra-2012-water-source-heat-pumps-testing-and-rating-for-performance-part-2-water-to-water-and-brine-to-water-heat-pumps.html>

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# NEMA

National Electrical  
Manufacturers Association  
1300 North 17th Street, Suite  
900  
Rosslyn, VA 22209

## **MG1—2016: Motors and Generators**

C202

[https://www.nema.org/docs/default-source/standards-document-library/ansi\\_nema-mg-1-2016-contents-and-foreword.pdf?sfvrsn=f27547b8\\_1](https://www.nema.org/docs/default-source/standards-document-library/ansi_nema-mg-1-2016-contents-and-foreword.pdf?sfvrsn=f27547b8_1)

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# NFPA

National Fire Protection  
Association  
1 Batterymarch Park  
Quincy, MA 02169-7471

## **70—20: National Electrical Code**

C501.4

<https://catalog.nfpa.org/NFPA-70-National-Electrical-Code-NEC-Softbound-P1194.aspx?icid=D729>

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# NFRC

National Fenestration Rating  
Council, Inc.  
6305 Ivy Lane, Suite 140  
Greenbelt, MD 20770

**100—2020: Procedure for Determining Fenestration Products *U*-factors**

C303.1.3, C402.2.1.1

<https://nfrcommunity.org/store/viewproduct.aspx?id=138059>

[1](#)

**200—2020: Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence**

C303.1.3, C402.4.1.1

<https://nfrcommunity.org/store/viewproduct.aspx?id=140211>

[6](#)

**203—2017: Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence**

C303.1.3

<https://nfrcommunity.org/store/viewproduct.aspx?id=140222>

[1](#)

**400—2020: Procedure for Determining Fenestration Product Air Leakage**

Table C402.5.2

<https://nfrcommunity.org/store/viewproduct.aspx?id=140243>

[1](#)

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# SMACNA

Sheet Metal and Air  
Conditioning Contractors'  
National Association, Inc.  
4021 Lafayette Center Drive  
Chantilly, VA 20151-1219

**SMACNA—2012: HVAC Air Duct Leakage Test Manual Second Edition**

C403.2.11.2.3

<https://store.smacna.org/hvac-air-duct-leakage-test-manual>

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# UL

UL LLC  
333 Pfingsten Road  
Northbrook, IL 60062-2096

**710—12: Exhaust Hoods for Commercial Cooking Equipment—with Revisions through November 2013**

C403.7.5

[https://standardscatalog.ul.com/standards/en/standard\\_710](https://standardscatalog.ul.com/standards/en/standard_710)

**727—18: Oil-fired Central Furnaces**

Table C403.3.2(4)

[https://standardscatalog.ul.com/standards/en/standard\\_727\\_1](https://standardscatalog.ul.com/standards/en/standard_727_1)

[0](#)

**731—18: Oil-fired Unit Heaters**

Table C403.3.2(4)

[https://standardscatalog.ul.com/standards/en/standard\\_731\\_6](https://standardscatalog.ul.com/standards/en/standard_731_6)

**1784—15: Air Leakage Tests of Door Assemblies—with Revisions through February 2015**

C402.5.3

[https://standardscatalog.ul.com/standards/en/standard\\_1784\\_4](https://standardscatalog.ul.com/standards/en/standard_1784_4)

**2202—2009: *Electric Vehicle (EV) Charging System- with revisions through February 2018***

C405.13

[https://standardscatalog.ul.com/ProductDetail.aspx?productId=UL2202\\_2\\_S\\_20091002](https://standardscatalog.ul.com/ProductDetail.aspx?productId=UL2202_2_S_20091002)

**2594—2016: Standard for Electric Vehicle Supply Equipment**

C405.13

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## US-FTC

United States-Federal Trade  
Commission  
600 Pennsylvania Avenue NW  
Washington, DC 20580

**CFR Title 16 (2015): *R-value Rule***

C303.1.4

<https://www.law.cornell.edu/cfr/text/16/part-460>

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## WDMA

Window and Door  
Manufacturers Association  
2025 M Street NW, Suite 800  
Washington, DC 20036-3309

**AAMA/WDMA/CSA 101/I.S.2/A440—17: North American Fenestration Standard/Specification for Windows, Doors and Unit Skylights**

Table C402.5.2

[https://webstore.ansi.org/Standards/CSA/AAMAWDMA/CSA101A4402017?qclid=EAlalQobChMIksGX9Ka5-wIVGo\\_ICh2zYwkpEAAYASAAEgJ3TvD\\_BwE](https://webstore.ansi.org/Standards/CSA/AAMAWDMA/CSA101A4402017?qclid=EAlalQobChMIksGX9Ka5-wIVGo_ICh2zYwkpEAAYASAAEgJ3TvD_BwE)