

Standards

ASHRAE Standards Binder

Price: \$22 (ASHRAE Member: \$22)

Product code: 86998

Standard 15-2019, Safety Standard for Refrigeration Systems (packaged w/ Standard 34-2019 -- Designation and Classification of Refrigerants)*

Price: \$149 (ASHRAE Member: \$119)

Product code: 86015

Standard 16-2016, Method of Testing for Rating Room Air Conditioners and Packaged Terminal Air Conditioners*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86313

Standard 17-2015, Method of Testing Capacity of Thermostatic Refrigerant Expansion Valves*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86032

Standard 18-2008 (RA 2013), Methods of Testing for Rating Drinking-Water Coolers with Self-Contained Mechanical Refrigeration*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86034

Standard 20-2019, Methods of Laboratory Testing Remote Mechanical-Draft Air-Cooled Refrigerant Condensers*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86085

Standard 22-2018, Methods of Testing for Rating Water-Cooled Refrigerant Condensers*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86040

Standard 23.1-2019, Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Pressures of the Refrigerant* **NEW!**

Price: \$66 (ASHRAE Member: \$53)

Product code: 86086

Standard 23.2-2019, Methods of Test for Rating the Performance of Positive Displacement Compressors that Operate at Supercritical Pressures of the Refrigerants* **NEW!**

Price: \$66 (ASHRAE Member: \$53)

Product code: 86050

Standard 24-2019, Methods of Testing for Rating Evaporators Used for Cooling Liquids*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86052

Standard 25-2018, Methods of Testing Forced-Circulation Free-Delivery Unit Coolers for Refrigeration*

Price: \$66 (ASHRAE Member: \$53)

Product code: 87133

Standard 26-2010, Mechanical Refrigeration and Air-Conditioning Installations aboard Ship*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86055

Standard 28-1996 (RA 2010), Method of Testing Flow Capacity of Refrigerant Capillary Tubes*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86072

Standard 29-2015 (RA 2018), Method of Testing Automatic Ice Makers*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86117

Standard 30-2019, Methods of Testing Liquid-Chilling Packages*

Price: \$94 (ASHRAE Member: \$75)

Product code: 86087

Standard 32.1-2017, Methods of Testing for Rating Vending Machines for Bottled, Canned and Other Sealed Beverages*

Price: \$69 (ASHRAE Member: \$59)

Product code: 86310

Standard 32.2-2018, Methods of Testing for Rating Premix and Postmix Beverage Dispensing Equipment*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86180

Standard 33-2016, Methods of Testing Forced Circulation Air Cooling and Air Heating Coils*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86083

Standard 34-2019, Designation and Safety Classification of Refrigerants (packaged w/ Standard 15-2019, Safety Standard for Refrigeration Systems)*

Price: \$149 (ASHRAE Member: \$119)

Product code: 86015

Standard 35-2014, Method of Testing Desiccants for Refrigerant Drying*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86079

Standard 37-2009 (RA2019), Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump Equipment*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86118

Standard 40-2014, Methods of Testing for Rating Heat-Operated Unitary Air-Conditioning and Heat-Pump Equipment*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86112

Standard 41.1-2015 (RA 2018), Standard Methods for Volatile Refrigerant Mass Flow Measurement Using Flowmeters*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86110

Standard 41.2-2018, Standard Methods for Air Velocity and Airflow Measurement*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86123

Standard 41.3-2014, Standard Method for Pressure Measurement*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86126

Standard 41.4-2015, Standard Method for Measurement of Proportion of Lubricant in Liquid Refrigerant*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86113

Standard 41.6-2014, Standard Method for Measurement of Moist Air Properties*

Price: \$66 (ASHRAE Member: \$21.00)

Product code: 86111

Standard 41.7-2015 (RA 2018), Standard Methods for Gas Flow Measurement*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86131

Standard 41.8-2016 (RA 2019), Standard Methods of Measurement of Flow of Liquids in Pipes Using Orifice Flowmeters*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86204

Standard 41.9-2018, Standard Methods for Refrigerant Mass Flow Measurements Using Calorimeters*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86186

Standard 41.10-2013, Standard Methods for Volatile Refrigerant Mass Flow Measurements Using Flowmeters*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86140

Standard 41.11-2014, Standard Methods for Power Measurement*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86124

Standard 51-2016, Laboratory Methods of Testing Fans for Aerodynamic Performance Rating (AMCA Standard 210-16)*
Price: \$108 (ASHRAE Member: \$86)
Product code: 86119

Standard 52.2-2017, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size*
Price: \$81 (ASHRAE Member: \$65)
Product code: 86178

Standard 55-2017, Thermal Environmental Conditions for Human Occupancy*
Price: \$125 (ASHRAE Member: \$100; Student Member: \$55)
Product code: 86181

Standard 55 User's Manual: Based on Standard 55-2013, Thermal Environmental Conditions for Human Occupancy
Price: \$138 (ASHRAE Member: \$110; Student Member: \$45)
Product code: 90129

Standard 62.1-2019, Ventilation for Acceptable Indoor Air Quality* **NEW!**
Price: \$118 (ASHRAE Member: \$94; Student Member: \$45)
Product code: 86170

Standard 62.1-2016, Ventilation for Acceptable Indoor Air Quality*
Price: \$118 (ASHRAE Member: \$94; Student Member: \$45)
Product code: 86655

Standard 62.1 User's Manual: Based on Standard 66.1-2016, Ventilation for Acceptable Indoor Air Quality
Price: \$93 (ASHRAE Member: \$74)
Product code: 90160

Standard 62.2-2019, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings* **NEW!**
Price: \$94 (ASHRAE Member: \$75)
Product code: 86212

Standard 62.2-2016, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
Price: \$81 (ASHRAE Member: \$65)
Product code: 86198

Standard 62.2 User's Manual: Based on Standard 66.2-2016, Ventilation and Acceptable Indoor Air Quality in Residential Buildings
Price: \$71 (ASHRAE Member: \$57)
Product code: 90153

Standard 63.1-1995 (RA 2001), Method of Testing Liquid Line Refrigerant Driers*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86165

Standard 63.2-2017, Method of Testing Liquid Line Filter Drier Filtration Capability*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86193

Standard 64-2011, Methods of Testing Remote Mechanical-Draft Evaporative Refrigerant Condensers*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86173

Standard 70-2006 (RA 2011), Method of Testing for Rating the Performance of Air Outlets and Air Inlets*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86185

Standard 72-2018, Method of Testing Open and Closed Commercial Refrigerators and Freezers*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86197

Standard 78-1985 (RA 2017), Method of Testing Flow Capacity of Suction Line Filters and Filter-Driers*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86609

Standard 79-2015, Method of Testing for Rating Fan-Coil Conditioners*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86611

Standard 84-2013, Method of Testing Air-to-Air Heat/Energy Exchangers*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86619

Standard 86-2013 (RA 2016), Methods of Testing the Floc Point of Refrigeration Grade Oils*
Price: \$66 (ASHRAE Member: \$53)
Product code: 86663

Standard 90.1 Portal
Price: \$149 (ASHRAE Member: \$127)
To subscribe, go to: 901portal.ashrae.org

Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings* (IES co-sponsored) **NEW!**
Price: \$166 (ASHRAE Member: \$133; Student Member: \$66)
Product code: 86270 (I-P); 86272 (SI)

Standard 90.1-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings* (IES co-sponsored)
Price: \$166 (ASHRAE Member: \$133; Student Member: \$66)
Product code: 86274 (I-P); 86276 (SI)

Standard 90.1 User's Manual: Based on Standard 90.1-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings
Price: \$138 (ASHRAE Member: \$110)
Product code: 90319

Standard 90.1-2013 Appendix G 2013: Performance Rating Method (Excerpt from ANSI/ASHRAE/IES Standard 90.1-2013)
Price: \$66 (ASHRAE Member: \$53)
Product code: 86003

Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings* (IES co-sponsored)
Price: \$166 (ASHRAE Member: \$133; Student Member: \$60)
Product code: 86273 (I-P); 86275 (SI)

Standard 90.1-2013 User's Manual
Price: \$138 (ASHRAE Member: \$110)
Product code: 90321

Standard 90.2-2018, Energy-Efficient Design of Low-Rise Residential Buildings*

Price: \$118 (ASHRAE Member: \$94)

Product code: 86256**Standard 90.4-2019, Energy Standard for Data Centers* **NEW!****

Price: \$149 (ASHRAE Member: \$119)

Product code: 86302**Standard 94.2-2010, Method of Testing Thermal Storage Devices with Electrical Input and Thermal Output Based on Thermal Performance***

Price: \$66 (ASHRAE Member: \$53)

Product code: 86661**Standard 95-1993, Methods of Testing to Determine the Thermal Performance of Solar Domestic Water Heating Systems***

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Product code: 86265**Standard 96-1980 (RA 1989), Methods of Testing to Determine the Thermal Performance of Unglazed Flat-Plate Liquid-Type Solar Collectors***

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Product code: 86331**Standard 111-2008 (RA 2017), Practices for Measurement, Testing, Adjusting, and Balancing of Building Heating, Ventilation, Air-Conditioning and Refrigeration Systems***

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Product code: 86332**Standard 113-2013, Method of Testing for Room Air Diffusion***

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Product code: 86342**Standard 116-2010, Methods of Testing for Rating Seasonal Efficiency of Unitary Air Conditioners and Heat Pumps***

Price: \$81 (ASHRAE Member: \$65)

Product code: 86350**Standard 118.1-2012, Method of Testing for Rating Commercial Gas, Electric, and Oil Service Water Heating Equipment***

Price: \$66 (ASHRAE Member: \$53)

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Product code: 86371**Standard 125-2016, Method of Testing Thermal Energy Meters for Liquid Streams in HVAC Systems***

Price: \$66 (ASHRAE Member: \$53)

Product code: 86378**Standard 126-2016, Method of Testing HVAC Air Ducts* (SMACNA co-sponsored)**

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Product code: 86384**Standard 127-2012, Method of Testing for Rating Computer and Data Processing Room Unitary Air Conditioners***

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Product code: 86404**Standard 129-1997 (RA 2002), Measuring Air Change Effectiveness***

Price: \$66 (ASHRAE Member: \$53)

Product code: 86423**Standard 130-2016, Methods of Testing for Rating Ducted Air Terminal Units***

Price: \$81 (ASHRAE Member: \$65)

Product code: 86385**Standard 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* (ARI and ISO sponsored)**

Price: \$66 (ASHRAE Member: \$53)

Product code: 87102**Standard 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* (ARI and ISO sponsored)**

Price: \$66 (ASHRAE Member: \$53)

Product code: 87104**Standard 133-2015, Method of Testing Direct Evaporative Air Coolers* (ARI and ISO sponsored),**

Price: \$66 (ASHRAE Member: \$53)

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Price: \$106 (ASHRAE Member: \$85)

Product code: D-86451**Standard 135.1-2019, Method of Test for Conformance to BACnet®***

Price: \$148 (ASHRAE Member: \$118)

Product code: 86437

Standard 137-2013 (RA 2017), Methods of Testing for Efficiency of Space-Conditioning/Water-Heating Appliances that Include a Desuperheater Water Heater*

Price: \$81 (ASHRAE Member: \$65)

Product code: 86457

Standard 138-2013 (RA 2016), Method of Testing for Rating Ceiling Panels for Sensible Heating and Cooling*

Price: \$66 (ASHRAE Member: \$53)

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Standard 139-2019, Method of Testing for Rating Desiccant Dehumidifiers Utilizing Heat for the Regeneration Process*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86535

Standard 140-2017, Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs*

Price: \$118 (ASHRAE Member: \$94)

Product code: 86727

Standard 143-2015, Method of Test for Rating Indirect Evaporative Coolers*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86514

Standard 145.1-2015, Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Loose Granular Media*

Price: \$81 (ASHRAE Member: \$65)

Product code: 86532

Standard 145.2-2016, Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Air Cleaning Devices*

Price: \$81 (ASHRAE Member: \$65)

Product code: 86381

Standard 146-2011, Methods of Testing and Rating Pool Heaters*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86483

Standard 147-2019, Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems*NEW!****

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Standard 150-2019, Method of Testing the Performance of Cool Storage Systems *

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Product code: 86114

Standard 152-2014, Method of Test for Determining the Design and Seasonal Efficiencies of Residential Thermal Distribution Systems*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86520

Standard 153-2015, Method of Test for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86522

Standard 154-2016, Ventilation for Commercial Cooking Operations*

Price: \$81 (ASHRAE Member: \$65)

Product code: 86524

Standard 158.1-2019, Methods of Testing Capacity of Refrigerant Solenoid Valves*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86537

Standard 158.2-2018, Method of Testing Capacity of Refrigerant Pressure Regulators*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86649

Standard 160-2016, Criteria for Moisture-Control Design Analysis in Buildings*

Price: \$81 (ASHRAE Member: \$53)

Product code: 86361

Standard 161-2018, Air Quality within Commercial Aircraft*

Price: \$94 (ASHRAE Member: \$75)

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Standard 164.1-2012 (RA 2016), Method of Testing for Residential Central-System Humidifiers*

Price: \$66 (ASHRAE Member: \$53)

Product code: 87151

Standard 164.2-2012 (RA 2016), Method of Test for Residential Self-Contained Humidifiers*

Price: \$66 (ASHRAE Member: \$53)

Product code: 87153

Standard 164.3-2015, Method of Test for Residential Self-Contained Humidifiers*

Price: \$66 (ASHRAE Member: \$53)

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Standard 169-2013, Climate Data for Building Design Standards*

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Standard 170-2017, Ventilation of Health Care Facilities* (ASHE co-sponsored)

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Standard 171-2008, Method of Testing Seismic Restraint Devices for HVAC&R Equipment*

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Product code: 86500

Standard 172-2017, Method of Test for Insoluble Materials in Synthetic Lubricants and HFC Refrigerant Systems*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86542

Standard 173-2012 (RA 2016), Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors (BSR/ASHRAE Approved)*

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Product code: 87161

Standard 174-2018, Method of Test for Rating Desiccant-Based Dehumidification Equipment*

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Product code: 86309

Standard 180-2018, Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems* (ACCA Approved)

Price: \$94 (ASHRAE Member: \$75)

Product code: 86508

Standard 181-2018, Methods of Testing for Rating Liquid-to-Liquid Heat Exchangers*

Price: \$66 (ASHRAE Member: \$53)

Product code: 86551

Standard 182-2008 (RA 2013), Method of Testing Absorption Water-Chilling and Water-Heating Package*

Price: \$66 (ASHRAE Member: \$53)

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Standard 183-2007 (RA 2017), Peak Cooling and Heating Load Calculations in Buildings except Low-Rise Residential Buildings*

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Price: \$94 (ASHRAE Member: \$75)

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Product code: 86508**Standard 211-2018, Standard for Commercial Building Energy Audits (ACCA Co-sponsored)***

Price: \$94 (ASHRAE Member: \$75)

Product code: 86637**Standard 212-2019, Method of Test for Determining Energy Performance and Water-Use Efficiency of Add-On Evaporative Precoolers for Unitary Air-Conditioning Equipment***

Price: \$66 (ASHRAE Member: \$53)

Product code: 86202**Standard 214-2017, Standard for Determining and Expressing Building Energy Performance in a Rating Program***

Price: \$81 (ASHRAE Member: \$65)

Product code: 86505**Standard 215-2018, Method of Test to Determine Leakage of Operating HVAC Air Distribution Systems***

Price: \$66 (ASHRAE Member: \$53)

Product code: 86539**Standard 218-2019, Method of Test for Lubricant and Refrigerant Miscibility Determination***

Price: \$66 (ASHRAE Member: \$53)

Product code: 86301**Standard 222-2018, Method of Test for Electrical Power Drive Systems***

Price: \$66 (ASHRAE Member: \$53)

Product code: 86532**ICC/ASHRAE 700-2015, National Green Building Standard***

Price: \$24 (ASHRAE Member: \$19)

Product code: 96818

Guidelines

Guideline 0-2019, The Commissioning Process

Price: \$94 (ASHRAE Member: \$75)

Product code: 86856

Guideline 0.2-2015, Commissioning Process for Existing Systems and Assemblies

Price: \$94 (ASHRAE Member: \$75)

Product code: 86847

Guideline 1.1-2007, HVAC&R Technical Requirements for the Commissioning Process

Price: \$81 (ASHRAE Member: \$65)

Product code: 86812

Guideline 1.2-2019, Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies

Price: \$81 (ASHRAE Member: \$65)

Product code: 86868

Guideline 1.3-2018, Building Operations and Maintenance Training for the HVAC&R Commissioning

Price: \$81 (ASHRAE Member: \$65)

Product code: 86844

Guideline 1.4-2019, Preparing Systems Manuals for Facilities* **NEW!**

Price: \$94 (ASHRAE Member: \$75)

Product code: 86854

Guideline 1.5-2017, The Commissioning Process for Smoke Control Systems

Price: \$81 (ASHRAE Member: \$65)

Product code: 86841

Guideline 2-2010 (RA 2014), Engineering Analysis of Experimental Data

Price: \$66 (ASHRAE Member: \$53)

Product code: 86827

Guideline 4-2019, Preparation of Operations and Maintenance Documentation for HVAC&R Systems **NEW!**

Price: \$66 (ASHRAE Member: \$53)

Product code: 86853

Guideline 5-1994 (RA 2001), Commissioning Smoke Management Systems

Price: \$66 (ASHRAE Member: \$53)

Product code: 86805

Guideline 6-2015, Refrigerant Information Recommended for Product Development and Standards

Price: \$66 (ASHRAE Member: \$53)

Product code: 86829

Guideline 10-2016, Interactions Affecting the Achievement of Acceptable Indoor Environments

Price: \$66 (ASHRAE Member: \$53)

Product code: 86810

Guideline 11-2018, Field Testing of HVAC Controls Components

Price: \$66 (ASHRAE Member: \$53)

Product code: 86855

Guideline 12-2000, Minimizing the Risk of Legionellosis Associated with Building Water Systems

Price: \$66 (ASHRAE Member: \$53)

Product code: 86815

Guideline 13-2015, Specifying Direct Digital Control Systems

Price: \$148 (ASHRAE Member: \$118)

Product code: 86839

Guideline 14-2014, Specifying Direct Digital Control Systems

Price: \$148 (ASHRAE Member: \$118)

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Guideline 16-2018, Selecting Outdoor, Return, and Relief Dampers for Air-Side Economizer Systems

Price: \$81 (ASHRAE Member: \$65)

Product code: 86849

Guideline 20-2010 (RA 2016), Documenting HVAC&R Work Processes and Data Exchange Requirements

Price: \$66 (ASHRAE Member: \$53)

Product code: 86846

Guideline 21-2018, Guide for the Ventilation and Thermal Management of Batteries for Stationary Applications (IEEE Standard 1635-2012)

Price: \$66 (ASHRAE Member: \$53)

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Guideline 22-2012, Instrumentation for Monitoring Central Chilled-Water Plant Efficiency

Price: \$58 (ASHRAE Member: \$46)

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Guideline 23-2016, Instrumentation for Monitoring Central Chilled-Water Plant Efficiency

Price: \$66 (ASHRAE Member: \$53)

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Guideline 24-2015, Ventilation and Indoor Air Quality in Low-Rise Residential Buildings

Price: \$81 (ASHRAE Member: \$65)

Product code: 86837

Guideline 28-2016, Air Quality within Commercial Aircraft

Price: \$81 (ASHRAE Member: \$65)

Product code: 86852

Guideline 29-2019, Guideline for the Risk Management of Public Health and Safety in Buildings

Price: \$66 (ASHRAE Member: \$53)

Product code: 86867

Guideline 32-2018, Sustainable High-Performance Operations and Maintenance

Price: \$81 (ASHRAE Member: \$65)

Product code: 86852

Guideline 33-2013 (RA 2016), Documenting Airflow and Containment Transport Modeling Studies

Price: \$66 (ASHRAE Member: \$53)

Product code: 86866

Guideline 34-2019, Energy Guideline for Historic Buildings

Price: \$66 (ASHRAE Member: \$53)

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Guideline 36-2018, High-Performance Sequences of Operation for HVAC Systems

Price: \$88 (ASHRAE Member: \$75)

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Guideline 38-2018, Guideline for Using Metal Pressure Vessels to Test Materials used in Refrigeration Systems

Price: \$94 (ASHRAE Member: \$53)

Product code: 86859

Guideline 39-2017, Method of Test for Measuring Fractionated Compositions of Refrigerant Blends

Price: \$66 (ASHRAE Member: \$53)

Product code: 86366

Guideline 40-2017, Refrigeration Oil Description

Price: \$66 (ASHRAE Member: \$53)

Product code: 86869