2013 ASHRAE Standards & Guidelines CD

Contents

ANSI/ARI/ASHRAE ISO 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

ANSI/ARI/ASHRAE ISO 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

ANSI/ASHRAE Standard 15-2010

Safety Standard for Refrigeration Systems

ANSI/ASHRAE Standard 16-1983 (RA 2009)

Method of Testing for Rating Room Air Conditioners and Packaged Terminal Air Conditioners

ANSI/ASHRAE Standard 17-2008

Method of Testing Capacity of Thermostatic Refrigerant Expansion Valves

ANSI/ASHRAE Standard 18-2008

Methods of Testing for Rating Drinking-Water Coolers with Self-Contained Mechanical Refrigeration

ANSI/ASHRAE Standard 20-1997 (RA 2006)

Method of Testing for Rating Remote Mechanical-Draft Air-Cooled Refrigerant Condensers

ANSI/ASHRAE Standard 22-2007 Methods of Testing for Rating Water-Cooled Refrigerant Condensers

ANSI/ASHRAE Standard 23.1-2010

Methods of Testing for Rating the Performance of Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Temperatures of the Refrigerant

ANSI/ASHRAE Standard 24-2009

Methods of Testing for Rating Liquid Coolers

ANSI/ASHRAE Standard 25-2001 (RA 2006)

Methods of Testing Forced Convection and Natural Convection Air Coolers for Refrigeration

ANSI/ASHRAE Standard 26-2010

Mechanical Refrigeration and Air-Conditioning Installations Aboard Ship

ANSI/ASHRAE Standard 28-1996 (RA 2010)

Method of Testing Flow Capacity of Refrigerant Capillary Tubes

ANSI/ASHRAE Standard 29-2009

Methods of Testing Automatic Ice Makers

ASHRAE Standard 30-1995

Method of Testing Liquid-Chilling Packages

ANSI/ASHRAE Standard 32.1-2010

Methods of Testing for Rating Vending Machines for Bottled, Canned, and Other Sealed Beverages

ANSI/ASHRAE Standard 32.2-2003 (RA 2011)

Methods of Testing for Rating Pre-Mix and Post-Mix Beverage Dispensing Equipment

ASHRAE Standard 33-2000 Method of Testing Forced Circulation Air Cooling and Air Heating Coils

ANSI/ASHRAE Standard 34-2010 Designation and Safety Classification of Refrigerants

ANSI/ASHRAE Standard 35-2010 Method of Testing Desiccants for Refrigerant Drying

ANSI/ASHRAE Standard 37-2009 Methods of Testing for Rating Electrically Driven

Unitary Air-Conditioning and Heat Pump Equipment

ANSI/ASHRAE Standard 40-2002 (RA 2006)

Methods of Testing for Rating Heat-Operated Unitary Air-Conditioning and Heat Pump Equipment

ANSI/ASHRAE Standard 41.1-1986 (RA 2006)

Standard Method for Temperature Measurement

ASHRAE Standard 41.2-1987 (RA 1992)

Standard Methods for Laboratory Airflow Measurement

ASHRAE Standard 41.3-1989

Standard Method for Pressure Measurement

ANSI/ASHRAE Standard 41.4-1996 (RA 2006)

Standard Method for Measurement of Proportion of Lubricant in Liquid Refrigerant

ANSI/ASHRAE Standard 41.6-1994 (RA 2006) Standard Method for Measurement of Moist Air Properties

ANSI/ASHRAE Standard 41.7-1984 (RA 2006)

Method of Test for Measurement of Flow of Gas

ASHRAE Standard 41.8-1989

Standard Methods of Measurement of Flow of Liquids in Pipes Using Orifice Flowmeters

ANSI/ASHRAE Standard 41.9-2011

Calorimeter Test Methods for Mass Flow Measurements of Volatile Refrigerants

ANSI/ASHRAE Standard 41.10-2008

Standard Methods for Volatile-Refrigerant Mass Flow Measurements Using Flowmeters

ANSI/ASHRAE Standard 51-2007 (ANSI/AMCA 210-07)

Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating

ANSI/ASHRAE Standard 52.2-2007

Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size

ANSI/ASHRAE Standard 55-2010

Thermal Environmental Conditions for Human Occupancy

ANSI/ASHRAE Standard 58-1986 (RA 2009)

Method of Testing for Rating Room Air Conditioner and Packaged Terminal Air Conditioner Heating Capacity

ANSI/ASHRAE Standard 62.1-2010

Ventilation for Acceptable Indoor Air Quality ANSI/ASHRAE Standard 62.1-2010 User's Manual

Click here to access supporting files.

ANSI/ASHRAE Standard 62.2-2010

Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings ANSI/ASHRAE Standard 62.2-2010 User's Manual

ANSI/ASHRAE Standard 63.1-1995 (RA 2001)

Method of Testing Liquid Line Refrigerant Driers

ANSI/ASHRAE Standard 63.2-1996 (RA 2010)

Method of Testing Liquid Line Filter-Drier Filtration Capability

ANSI/ASHRAE Standard 64-2011

Methods of Laboratory Testing Remote Mechanical-Draft Evaporative Refrigerant Condensers

ANSI/ASHRAE Standard 68-1997 (ANSI/AMCA 330-97) Laboratory Method of Testing to Determine the Sound Power in a Duct

ANSI/ASHRAE Standard 70-2006 (RA 2011)

Method of Testing for Rating the Performance of Air Outlets and Inlets

ANSI/ASHRAE Standard 72-2005

Method of Testing Commercial Refrigerators and Freezers

ASHRAE Standard 74-1988

Method of Measuring Solar-Optical Properties of Materials

ANSI/ASHRAE Standard 78-1985 (RA 2007)

Method of Testing Flow Capacity of Suction Line Filters and Filter-Driers

ANSI/ASHRAE Standard 79-2002 (RA 2006)

Method of Testing for Rating Fan-Coil Conditioners

ANSI/ASHRAE Standard 84-2008

Method of Testing Air-to-Air Heat/Energy Exchangers

ANSI/ASHRAE Standard 86-1994 (RA 2006)

Methods of Testing the Floc Point of Refrigeration Grade Oils

ANSI/ASHRAE Standard 87.2-2009

In-Situ Method of Testing Propeller Fans for Reliability

ANSI/ASHRAE Standard 87.3-2001 (RA 2010)

Method of Testing Propeller Fan Vibration-Diagnostic Test Methods

ANSI/ASHRAE/IES Standard 90.1-2010

Energy Standard for Buildings Except Low-Rise Residential Buildings (I-P Edition)

ANSI/ASHRAE/IES Standard 90.1-2010

Energy Standard for Buildings Except Low-Rise Residential Buildings (SI Edition) ANSI/ASHRAE/IES Standard 90.1-2010 User's Manual

ANSI/ASHRAE Standard 90.2-2007

Energy-Efficient Design of Low-Rise Residential Buildings

ANSI/ASHRAE Standard 93-2010

Methods of Testing to Determine the Thermal Performance of Solar Collectors

ANSI/ASHRAE Standard 94.1-2010

Method of Testing Active Latent-Heat Storage Devices Based on Thermal Performance

ANSI/ASHRAE Standard 94.2-2010

Method of Testing Thermal Storage Devices with Electrical Input and Thermal Output Based on Thermal Performance

ANSI/ASHRAE Standard 94.3-2010

Method of Testing Active Sensible Thermal Energy Devices Based on Thermal Performance

ASHRAE Standard 95-1987

Methods of Testing to Determine the Thermal Performance of Solar Domestic Water Heating Systems

ANSI/ASHRAE Standard 96-1980 (RA 1989)

Methods of Testing to Determine the Thermal Performance of Unglazed Flat-Plate Liquid-Type Solar Collectors

ANSI/ASHRAE Standard 97-2007

Sealed Glass Tube Method to Test the Chemical Stability of Materials for Use within Refrigerant Systems

ANSI/ASHRAE Standard 99-2006

Refrigeration Oil Description

ANSI/ASHRAE/IESNA Standard 100-2006

Energy Conservation in Existing Buildings

ANSI/ASHRAE Standard 103-2007

Method of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers

ANSI/ASHRAE Standard 105-2007

Standard Methods of Measuring and Expressing Building Energy Performance

Click here to access supporting files.

ASHRAE Standard 110-1995

Method of Testing Performance of Laboratory Fume Hoods

ANSI/ASHRAE Standard 111-2008

Practices for Measurement, Testing, Adjusting, and Balancing of Building Heating, Ventilation, Air-Conditioning, and Refrigeration Systems

ANSI/ASHRAE Standard 113-2009

Method of Testing for Room Air Diffusion

ANSI/ASHRAE Standard 116-2010

Methods of Testing for Rating Seasonal Efficiency of Unitary Air Conditioners and Heat Pumps

ANSI/ASHRAE Standard 118.1-2012

Method of Testing for Rating Commercial Gas, Electric, and Oil Service Water Heating Equipment

ANSI/ASHRAE Standard 118.2-2006

Method of Testing for Rating Residential Water Heaters

ANSI/ASHRAE Standard 120-2008

Method of Testing to Determine Flow Resistance of HVAC Ducts and Fittings

ANSI/ASHRAE Standard 124-2007

Methods of Testing for Rating Combination Space-Heating and Water-Heating Appliances

ANSI/ASHRAE Standard 125-1992 (RA 2011)

Method of Testing Thermal Energy Meters for Liquid Streams in HVAC Systems

ANSI/ASHRAE/SMACNA Standard 126-2008

Method of Testing HVAC Air Ducts and Fittings

ANSI/ASHRAE Standard 127-2012 Method of Testing for Rating Computer and Data Processing Room Unitary Air-Conditioners

ANSI/ASHRAE Standard 128-2011 Method of Rating Unitary Spot Air Conditioners

ANSI/ASHRAE Standard 129-1997 (RA 2002) Measuring Air-Change Effectiveness

ANSI/ASHRAE Standard 130-2008 Methods of Testing Air Terminal Units

ANSI/ASHRAE Standard 133-2008 Method of Testing Direct Evaporative Air Coolers

ANSI/ASHRAE Standard 134-2005 Graphic Symbols for Heating, Ventilation, Air-Conditioning, and Refrigeration Systems

Click here to access supporting files.

ANSI/ASHRAE Standard 135-2010 BACnet®: A Data Communication Protocol for Building Automation and Control Networks

ANSI/ASHRAE Standard 135.1-2011 Method of Test for Conformance to BACnet®

ANSI/ASHRAE Standard 136-1993 (RA 2006) A Method of Determining Air Change Rates in Detached Dwellings

ANSI/ASHRAE Standard 137-2009

Methods of Testing for Efficiency of Space-Conditioning/Water-Heating Appliances that Include a Desuperheater Water Heater

ANSI/ASHRAE Standard 138-2009

Method of Testing for Rating Ceiling Panels for Sensible Heating and Cooling

ANSI/ASHRAE Standard 139-2007

Method of Testing for Rating Desiccant Dehumidifiers Utilizing Heat for the Regeneration Process

ANSI/ASHRAE Standard 140-2011

Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs

Click here to access supporting files.

ANSI/ASHRAE Standard 143-2007

Method of Test for Rating Indirect Evaporative Coolers

ANSI/ASHRAE Standard 145.1-2008

Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Loose Granular Media

ANSI/ASHRAE Standard 145.2-2011

Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Air-Cleaning Devices

ANSI/ASHRAE Standard 146-2011

Method of Testing and Rating Pool Heaters

ANSI/ASHRAE Standard 147-2002

Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems

ANSI/ASHRAE Standard 149-2000 (RA 2009)

Laboratory Methods of Testing Fans Used to Exhaust Smoke in Smoke Management Systems

ANSI/ASHRAE Standard 150-2000 (RA 2004)

Method of Testing the Performance of Cool Storage Systems

ANSI/ASHRAE Standard 151-2010

Practices for Measuring, Testing, Adjusting, and Balancing Shipboard HVAC&R Systems

ANSI/ASHRAE Standard 152-2004

Method of Test for Determining the Design and Seasonal Efficiencies of Residential Thermal Distribution Systems

ANSI/ASHRAE Standard 154-2011

Ventilation for Commercial Cooking Operations

ANSI/ASHRAE Standard 158.1-2012

Methods of Testing Capacity of Refrigerant Solenoid Valves

ANSI/ASHRAE Standard 158.2-2011

Methods of Testing Capacity of Refrigerant Solenoid Valves

ANSI/ASHRAE Standard 160-2009

Criteria for Moisture-Control Design Analysis in Buildings

ANSI/ASHRAE Standard 161-2007

Air Quality within Commercial Aircraft

ANSI/ASHRAE Standard 164.1-2012

Method of Test for Residential Central-System Humidifiers

ANSI/ASHRAE Standard 164.2-2012

Method of Test for Residential Self-Contained Humidifiers

ANSI/ASHRAE Standard 169-2006

Weather Data for Building Design Standards

Click here to access supporting files.

ANSI/ASHRAE/ASHE Standard 170-2008

Ventilation of Health Care Facilities

ANSI/ASHRAE Standard 171-2008

Method of Testing Seismic Restraint Devices for HVAC&R Equipment

ANSI/ASHRAE Standard 173-2012

Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors

ANSI/ASHRAE Standard 174-2009

Method of Test for Rating Desiccant-Based Dehumidification Equipment

ANSI/ASHRAE/ACCA Standard 180-2012

Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems

ANSI/ASHRAE Standard 182-2008

Method of Testing Absorption Water-Chilling and Water-Heating Packages

ANSI/ASHRAE/ACCA Standard 183-2007 (RA 2011)

Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings

ANSI/ASHRAE/USGBC/IES Standard 189.1-2011

Standard for the Design of High-Performance Green Buildings

ANSI/ASHRAE Standard 193-2010 Method of Test for Determining the Airtightness of HVAC Equipment

ANSI/ASHRAE Standard 194-2012 Method of Test for Direct-Expansion Ground-Source Heat Pumps

ASHRAE Guideline 0-2005 The Commissioning Process

ASHRAE Guideline 1.1-2007 HVAC&R Technical Requirements for The Commissioning Process

ASHRAE Guideline 1.5-2012 The Commissioning Process for Smoke Control Systems

ASHRAE Guideline 2-2010 Engineering Analysis of Experimental Data

ASHRAE Guideline 4-2008 Preparation of Operating and Maintenance Documentation for Building Systems

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

ASHRAE Guideline 6-2008 Refrigerant Information Recommended for Product Development and Standards

ASHRAE Guideline 8-1994 Energy Cost Allocation for Multiple-Occupancy Residential Buildings

ASHRAE Guideline 10-2011 Interactions Affecting the Achievement of Acceptable Indoor Environments ASHRAE Guideline 11-2009

Field Testing of HVAC Controls Components

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

ASHRAE Guideline 13-2007 Specifying Direct Digital Control Systems

Click here to access supporting files.

ASHRAE Guideline 14-2002 Measurement of Energy and Demand Savings

ASHRAE Guideline 16-2010 Selecting Outdoor, Return, and Relief Dampers for Air-Side Economizer Systems

ASHRAE Guideline 20-2010 Documenting HVAC&R Work Processes and Data Exchange Requirements

ASHRAE Guideline 21-2012 (IEEE Std 1635[™]-2012) IEEE/ASHRAE Guide for the Ventilation and Thermal Management of Batteries for Stationary Appliances

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

ASHRAE Guideline 24-2008 Ventilation and Indoor Air Quality in Low-Rise Residential Buildings

ASHRAE Guideline 26-2012

Guideline for Field Testing of General Ventilation Devices and Systems for Removal Efficiency In-Situ by Particle Size and Resistance to Flow

ASHRAE Guideline 28-2012

Air Quality within Commercial Aircraft

ASHRAE Guideline 29-2009

Guideline for the Risk Management of Public Health and Safety in Buildings

ASHRAE Guideline 32-2012

Sustainable, High-Performance Operations and Maintenance