


<p>List of accredited standards Test Laboratory Refrigeration, Air-Conditioning, Combustion and Heating Systems PL-14153-04-00</p>	 Industrie Service
Integriertes Managementsystem	

Test in the field:

Air conditioning and refrigeration, transport refrigeration - firing, heating and exhaust technology for gaseous, solid and liquid fuels - gas consumer installation in scope of the product safety act (ProdSG) and the directive 2009/142/EC - testing of space heaters fired by solid and liquid fuel in scope of the Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Building Product Act);
Technical acoustics and vibration measurements; building automation

Locations:

M – Ridlerstraße 65, 80339 Munich, Germany
O – Geiselbullacher Straße 2, 82140 Olching, Germany


not flexible accredited standards are marked with *

1 Laboratory area air conditioning and refrigeration, transport refrigeration


1.1 Refrigeration products

DIN EN 327 2014-11	Heat exchangers - Forced convection air cooled refrigerant condensers - Test procedures for establishing performance	M, O
DIN EN 328 2014-11	Heat exchangers - Forced convection unit air coolers for refrigeration - Test procedures for establishing the performance	M, O
DIN EN 378-2 2018-04	Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation	M, O
DIN EN 810 1997-06	Dehumidifiers with electrically driven compressors - Rating tests, marking, operational requirements and technical data sheet	M, O
DIN EN 1048 2014-11	Heat exchangers - Air cooled liquid coolers ('dry coolers') - Test procedures for establishing the performance	M, O
DIN EN 1117 2003-04	Heat exchangers - Liquid cooled refrigerant condensers - Test procedures for establishing the performance	M, O
DIN EN 1118 2003-04	Heat exchangers - Refrigerant cooled liquid coolers - Test procedure for establishing the performance	M, O


Combustion and Heating Systems TÜV SÜD TÜV SÜD (tuvsud.com)		Building Services TÜV SÜD (tuvsud.com)	
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DIN EN 1148 1998-12	Heat exchangers - Water to water heat exchangers for district heating - Test procedures for establishing the performance data	M, O
AS 1731 Part 1 2003 Reconfirmed 2013	Refrigerated display cabinets Part 1: Terms and definitions	M, O
AS 1731 Part 4 2003 Reconfirmed 2013	Refrigerated display cabinets Part 4: General test conditions	M, O
AS 1731 Part 5 2003 Reconfirmed 2013	Refrigerated display cabinets Part 5: Temperature test	M, O
AS 1731 Part 6 2003 Reconfirmed 2013	Refrigerated display cabinets Part 6: Classification according to temperatures	M, O
AS 1731 Part 9 2003 Reconfirmed 2013	Refrigerated display cabinets Part 9: Electrical energy consumption test	M, O
AS 1731 Part 13 2003 Reconfirmed 2013	Refrigerated display cabinets Part 13: Test report	M, O
AS 1731 Part 14 2003 Reconfirmed 2013	Refrigerated display cabinets Part 14: Minimum energy performance standard (MEPS) requirements	M, O
DIN 8976 2017-03	Performance testing of compression type refrigerating systems	M, O
DIN EN 12309-1 2015-03	Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 1: Terms and definitions	M, O
DIN EN 12309-2 2016-04	Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 2: Safety	M, O
DIN EN 12309-3 2015-03	Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 3: Test conditions	M, O

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DIN EN 12309-4 2015-03 +B1:2015-10	Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 4: Test methods	M, O
DIN EN 12309-5 2015-03	Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 5: Requirements	M, O
DIN EN 12309-6 2015-03	Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 6: Calculation of seasonal performances	M, O
DIN EN 12309-7 2015-03	Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 7: Specific provisions for hybrid appliances	M, O
DIN EN 13215 2020-12	Condensing units for refrigeration - Rating conditions, tolerances and presentation of manufacturer's performance data	M, O
DIN EN 13771-1 2017-04	Compressors and condensing units for refrigeration - Performance testing and test methods - Part 1: Refrigerant compressors	M, O
DIN EN 13771-2 2017-11	Compressors and condensing units for refrigeration - Performance testing and test methods - Part 2: Condensing units	M, O
DIN EN 14511-1 2019-07	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions	M, O
DIN EN 14511-2 2019-07	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions	M, O
DIN EN 14511-3 2019-07	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods	M, O
DIN EN 14511-4 2019-07	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements	M, O
DIN EN 14705 2005-10	Heat exchangers - Method of measurement and evaluation of thermal performances of wet cooling towers	M, O

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DIN EN 14825 2019-07	Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling, commercial and process cooling - Testing and rating at part load conditions and calculation of seasonal performance	M, O
DIN EN 16147 2017-08	Heat pumps with electrically driven compressors - Testing, performance rating and requirements for marking of domestic hot water units	M, O
DIN EN 16754 2016-05	Artisan Gelato and ice cream machinery - Performance characteristics and energy consumption	M, O
DIN EN 16764 2016-05	Soft ice cream machines - Performance and evaluation of energy consumption	M, O
DIN EN 16825 2016-12	Refrigerated storage cabinets and counters for professional use - Classification, requirements and test conditions	
DIN EN 16825/A1 2019-06	Refrigerated storage cabinets and counters for professional use - Classification, requirements and test conditions Modification A1:2019	M, O
DIN EN 16838 2019-09	Refrigerated display scooping cabinets and pozzetto for gelato - Classification, requirements, performance and energy consumption testing	M, O
DIN EN 16901 2017-04	Ice-cream freezers - Classification, requirements and test conditions	M, O
DIN EN 16902 2017-04	Commercial beverage coolers - Classification, requirements and test conditions	M, O
DIN EN 16905-1 2017-09	Gas-fired endothermic engine driven heat pumps - Part 1: Terms and definitions	M, O
DIN EN 16905-2 2020-03	Gas-fired endothermic engine driven heat pumps - Part 2: Safety	M, O
DIN EN 16905-3 2017-09	Gas-fired endothermic engine driven heat pumps - Part 3: Test conditions	M, O
DIN EN 16905-4 2017-09	Gas-fired endothermic engine driven heat pumps - Part 4: Test methods	M, O

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DIN EN 16905-5 2017-06	Gas-fired endothermic engine driven heat pumps - Part 5: Calculation of seasonal performances in heating and cooling mode	M, O
DIN EN 17032 2018-03	Blast chillers and freezers cabinets for professional use - Classification, requirements and test conditions	M, O
DIN EN 17032/A1 2019-06	Blast chillers and freezers cabinets for professional use - Classification, requirements and test conditions A1:2019	M, O
E DIN EN ISO 22041* 2018-05	Refrigerated storage cabinets and counters for professional use - Performance and energy consumption (ISO/DIS 22041:2018)	M, O
DIN EN ISO 23953-1 2016-03	Refrigerated display cabinets - Part 1: Vocabulary	M, O
DIN EN ISO 23953-2 2016-03	Refrigerated display cabinets - Part 2: Classification, requirements and test conditions	M, O
DIN EN 62552 2013-10	Household refrigerating appliances - Characteristics and test methods	M, O
EN 62552-1 2020-04	Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements (IEC 62552-1:2015 , modified)	M, O
EN 62552-2 2020-04	Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements (IEC 62552-2:2015 , modified)	M, O
EN 62552-3 2020-04	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume (IEC 62552-3:2015 , modified)	M, O
IEC 62552-1 2015-02	Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements	M, O
IEC 62552-2 2015-02	Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements	M, O
IEC 62552-3	Household refrigerating appliances - Characteristics and test	M, O

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2015-02 methods - Part 3: Energy consumption and volume

Within the framework of the following Eurovent programs only tests


Eurovent ECP-02 HE 2020-06	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - HEAT EXCHANGERS	M, O
Eurovent ECP 07 RDC 2021-03	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - REMOTE REFRIGERATED DISPLAY CABINETS	M, O
Eurovent ECP 17 Eu- rovent HP 2020-05	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - Eurovent Heat Pump (Eu- rovent HP)	M, O
Eurovent ECP 27 CDU 2021-09	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - CONDENSING UNITS	M, O
Eco design-Regu- lation (EU) 2015/1095 2015-05	COMMISSION REGULATION (EU) 2015/1095 of 5 May implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for pro- fessional refrigerated storage cabinets, blast cabinets, condensing units and process chillers	M, O

1.2 Ventilation and air conditioning


DIN EN 305 1997-07	Heat exchangers - Definitions of performance of heat exchangers and the general test procedure for establishing performance of all heat exchangers	M,O
DIN EN 306 1997-07	Heat exchangers - Methods of measuring the parameters necessary for establishing the performance	M,O
DIN EN 307 1998-12	Heat exchangers - Guidelines to prepare installation, operating and maintenance instructions required to maintain the performance of each type of heat exchanger	M,O
DIN EN 308 1997-06	Heat exchangers - Test procedures for establishing performance of air to air and flue gases heat recovery devices	M,O
DIN EN 1216 2003-04	Heat exchangers - Forced circulation air-cooling and air-heating coils - Test procedure for establishing the performance (includes amendment A1:2002)	M,O

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DIN EN 1397 2015-11	Heat exchangers - Hydronic room fan coil units - Test procedures for establishing the performance	M,O
DIN EN 1397 Corrigendum 1 2016-11	Heat exchangers - Hydronic room fan coil units - Test procedures for establishing the performance	M,O
DIN EN 1507 2006-07	Ventilation for buildings - Sheet metal air ducts with rectangular section - Requirements for strength and leakage	M,O
DIN EN 1751 2014-06	Ventilation for buildings - Air terminal devices - Aerodynamic testing of damper and valves	M,O
DIN EN 1886 2009-07	Ventilation for buildings - Air handling units - Mechanical performance	M,O
DIN EN ISO 5801 2018-04	Fans - Performance testing using standardized airways (ISO 5801:2017)	O
DIN EN 12237 2003-07	Ventilation for buildings - Ductwork - Strength and leakage of circular sheet metal ducts	M,O
DIN EN 13053 2020-05	Ventilation for buildings - Air handling units - Rating and performance for units, components and sections	M,O
DIN EN 13141-1 2019-04	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 1: Externally and internally mounted air transfer devices	M,O
DIN EN 13141-2 2010-12	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 2: Exhaust and supply air terminal devices	M,O
DIN EN 13141-3 2004-04	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 3: Range hoods for residential use without fan	M,O
DIN EN 13141-3 2017-09	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 3: Range hoods for residential use without fan	M,O

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DIN EN 13141-4 2011-09	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 4: Aerodynamic, electrical power and acoustic performance of unidirectional ventilation units	M,O
DIN EN 13141-6 2015-02	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 6: Exhaust ventilation system packages used in a single dwelling	M,O
DIN EN 13141-7 2011-01	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 7: Performance testing of ducted mechanical supply and exhaust ventilation units (including heat recovery)	M,O
DIN EN 13141-8 2014-09	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 8: Performance testing of non-ducted mechanical supply and exhaust ventilation units (including heat recovery)	M,O
DIN EN 13141-9 2008-10	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 9: Externally mounted humidity controlled air transfer device	M,O
DIN EN 13141-10 2008-10	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 10: Humidity controlled extract air terminal device	M,O
DIN EN 13141-11 2015-07	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 11: Supply ventilation units	M,O
DIN EN 13142 2013-06	Ventilation for buildings - Components/products for residential ventilation - Required and optional performance characteristics	M,O
DIN EN 13180 2002-03	Ventilation for buildings - Ductwork - Dimensions and mechanical requirements for flexible ducts	M,O
DIN EN ISO 13350 2016-02	Ventilatoren - Leistungsmessung von Strahlventilatoren (ISO 13350:2015); Deutsche Fassung EN ISO 13350:2015	O
DIN EN 15650 2010-09	Ventilation for buildings - Fire dampers	M,O
E DIN EN 15650* 2020-04	Ventilation for buildings - Fire dampers	M,O

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DIN EN 15727 2010-10	Ventilation for buildings - Ducts and ductwork components, leakage classification and testing	M,O
DIN EN 16573 2017-04	Ventilation for Buildings - Performance testing of components for residential buildings - Multifunctional balanced ventilation units for single family dwellings, including heat pumps	M,O
E DIN EN 17166* 2017-10	Fans - Procedures and methods to determine the energy efficiency for the electrical input power range of 125 W up to 500 kW	M,O
DIN EN 17192 2019-06	Ventilation for buildings - Ductwork - Non-metallic ductwork - Requirements and test methods	M,O
DIN 18017-3 2020-05	Ventilation of bathrooms and toilet rooms without outside windows - Part 3: Ventilation by fans	M,O
DIBt- LÜ-A 20 2002-10	Test program for central ventilation units with recuperative heat exchangers	M,O
DIBt- LÜ-A 21-1 2014-12	Preliminary test program for central ventilation units Part 1 - Recuperative heat exchanger	M,O
DIBt- LÜ-A 21-2 2014-12	Preliminary test program for central ventilation units Part 2 - Regenerative heat exchange	M,O
DIBt- LÜ-A 22-1 2016-03	Preliminary test program for decentralized ventilation units Part 1 - Recuperative heat exchanger	M,O
DIBt- LÜ-A 22-2.1 2020-04	Preliminary test program for decentralized ventilation units Part 2.1 - Regenerative heat exchanger (alternating fan rotation direction)	M,O
DIBt- LÜ-A 23 2016-02	Preliminary test program for air supply units	M,O


Im Rahmen folgender Eurovent-Programme nur Prüfungen:

Eurovent ECP FCU 2021-08	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - FAN COIL UNITS	M,O
Eurovent ECP 05 AHU	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED	M,O

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2020-01	PERFORMANCE MARK - AIR HANDLING UNITS	
Eurovent ECP 05 AHU Appendix H for AHU 2021-07	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - HYGIENIC AIR HANDLING UNITS	M,O
Eurovent ECP 08 AAHE 2020-05	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - AIR TO AIR PLATE AND TUBE HEAT EXCHANGERS	M, O
Eurovent ECP 09 COIL 2021-03	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - FORCED CIRCULATION AIR COOLING AND HEATING COILS	M,O
Eurovent ECP 10 AARE 2020-05	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - Air To Air Regenerative Heat Exchangers	M,O
Eurovent OM-16-2018 2018-07	OPERATIONAL MANUAL for the CERTIFICATION of RESIDENTIAL AIR HANDLING UNITS	M,O
Eurovent RS15/C/001-2018 2018-07	Rating Standard for the Certification of Residential Air Handling Units	M,O
Eurovent OM-18-2017 2017-07	OPERATIONAL MANUAL for the CERTIFICATION of Heat Recovery Systems with intermediate heat transfer medium	M,O
Eurovent RS7/C/009-2017 2016-02	Rating Standard for the Certification of Heat Recovery Systems with intermediate heat transfer medium	M,O
Eurovent ECP 19 DUCTS 2021-09	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK - VENTILATION DUCTS	M,O
Eurovent ECP 24 EC 2021-08	TECHNICAL CERTIFICATION RULES OF THE EUROVENT CERTIFIED PERFORMANCE MARK – EVAPORATIVE COOLING	M,O


Under the following regulations only tests:

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Regulation (EU) Nr. 327/2011 2011-03	COMMISSION REGULATION (EU) No 327/2011 of 30 March 2011 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW	M,O
Regulation (EU) Nr. 1253/2014	COMMISSION REGULATION (EU) No 1253/2014 of 7 July 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for ventilation units	M,O
Regulation (EU) Nr. 1254/2014	COMMISSION DELEGATED REGULATION (EU) No 1254/2014 of 11 July 2014 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of residential ventilation units	M,O
Regulation (EU) Nr. 30/2010	Basis for supplementation by regulation (EU) Nr. 1254/2014	M,O

1.3 Technical acoustics


DIN EN ISO 3740 2019-08	Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (ISO 3740:2000)	M,O
DIN EN ISO 3744 2011-02	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (ISO 3744:2010)	O
DIN EN ISO 3745 2017-10	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms (ISO 3745:2012 + Amd 1:2017)	O
DIN EN ISO 3746 2011-03	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane (ISO 3746:2010)	O
DIN EN ISO 3747 2011-03	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering/survey methods for use in situ in a reverberant environment (ISO 3747:2010)	O

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DIN EN ISO 7779 2019-04	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment (ISO 7779:2018)	O
DIN EN ISO 9614-1 2009-11	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 1: Measurement at discrete points (ISO 9614-1:1993)	O
DIN EN ISO 9614-2 1996-12	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 2: Measurement by scanning (ISO 9614-2:1996)	M, O
DIN EN ISO 11200 2020-10	Acoustics - Noise emitted by machinery and equipment - Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions (ISO 11200:2014)	O
DIN EN ISO 11201 2010-10	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections (ISO 11201:2010)	O
DIN EN ISO 11202 2010-10	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental correction (ISO 11202:2010)	O
DIN EN ISO 11203 2010-01	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level (ISO 11202:1995)	M, O
DIN EN ISO 11204 2019-10	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections (ISO 11204:2010)	O
DIN EN ISO 11205 2009-12	Acoustics - Noise emitted by machinery and equipment - Engineering method for the determination of emission sound pressure levels in situ at the work station and at other specified positions using sound intensity (ISO 11205:2003)	O
DIN EN ISO 4871 2009-11	Acoustics - Declaration and verification of noise emission values of machinery and equipment (ISO 4871:1996)	O


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ISO 9296 2017-08	Acoustics - Declared noise emission values of information technology and telecommunications equipment	O
DIN EN ISO 1680 2014-04	Acoustics - Test code for the measurement of airborne noise emitted by rotating electrical machines (ISO 1680:2013)	O
DIN EN 12102 2013-10	Air conditioners, liquid chilling packages, heat pumps and dehumidifiers with electrically driven compressors for space heating and cooling. Measurement of airborne noise. Determination of the sound power level.	M, O
DIN EN 12102-1 2018-02	Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors - Determination of the sound power level - Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers	M, O
DIN EN 12102-2 2019-08	Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors - Determination of the sound power level - Part 2: Heat pump water heaters	M, O
ISO 13347-1 2004-08 + Technical Corrigendum 1 2006-10 + AMD 1:2010-11	Industrial fans - Determination of fan sound power levels under standardized laboratory conditions - Part 1: General overview	O
ISO 13347-3 2004-08 + Technical Corrigendum 1 2006-1 +AMD 1: 2010-11	Industrial fans - Determination of fan sound power levels under standardized laboratory conditions - Part 3: Enveloping surface methods	O
ISO 13347-4 2004-08 + Technical Corrigendum 1	Industrial fans - Determination of fan sound power levels under standardized laboratory conditions - Part 4: Sound intensity method	O

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2006-1

DIN EN 13487 2019-11	Heat exchanger - Forced convection air cooled refrigerant condensers and dry coolers - Sound measurement	0
DIN EN 15036-1 2006-12	Heating boilers - Test regulations for airborne noise emissions from heat generators - Part 1: Airborne noise emissions from heat generators	0
DIN EN 15036-2 2006-12	Heating boilers - Test regulations for airborne noise emissions from heat generators - Part 2: Flue gas noise emissions at the outlet of the heat generator	0
DIN EN 16583 2015-10	Heat exchangers - Hydronic room fan coils units - Determination of the sound power level	0
DIN EN ISO 20361 2020-08	Liquid pumps and pumps units - Noise test code - Grades 2 and 3 of accuracy (ISO 20361:2019)	0
DIN EN ISO 22868 2018-06	Forestry and gardening machinery - Noise test code for portable hand-held machines with internal combustion engine - Engineering method (Grade 2 accuracy)	0
DIN EN 60704-1 2010-12 A11:2013-10	Household and similar electrical appliances - Test code for the determination of airborne noise - Part 1: General requirements (IEC 60704-1:2010}	0
DIN EN 60704-2-1 2015-07	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for dry vacuum cleaners (IEC 60704-2-1:2014}	0
DIN EN 60704-2-1 2021-11	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for dry vacuum cleaners (IEC 60704-2-1:2020}	0
DIN EN 60704-2-5 2015-10	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-5: Particular requirements for electric thermal storage room heaters (IEC 60704-2-5:2005 + A1:2014)	0
DIN EN IEC 60704-2-7 2020-12	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-7: Particular requirements for fans (IEC 60704-2-7:2020}	0

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DIN EN 60704-2-11 2000-07	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-11: Particular requirements for electrically operated food preparation appliances (IEC 60704-2-11:1998)	0
DIN EN 60704-2-13 2018-01	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods and other cooking fume extractors (IEC 60704-2-13:2016)	0
DIN EN 60704-2-14 2020-05	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (IEC 60704-2-14:2013 + A1:2019)	0
DIN EN 60704-3 2020-07	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 3: Procedure for determining and verifying declared noise emission values (IEC 60704-3:2019, modified)	0
DIN EN 71-1 Teil 4.20 und Teil 8.28 2018-12	Safety of toys - Part 1: Mechanical and physical properties	0

Within the framework of the following regulations only tests:

Outdoor- Regulation 2000/14/EG 2000-06	DIRECTIVE 2000/14/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 May 2000 on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors selected tests of devices after article 12 & 13 appendix II part B according QMAA-IS-TAK-129 edition 2021-06	0
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1.4 Vibration measurement


DIN EN 1032 2009-02	Mechanical vibration - Testing of mobile machinery in order to determine the vibration emission value	0
ISO 2631-1 1997-05	Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 1: General requirements	0
DIN EN ISO 5349-1 2001-12	Mechanical vibration - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 1: General requirements (ISO 5349-1:2001)	0

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DIN EN ISO 20643 2012-10	Mechanical vibration - Hand-held and hand-guided machinery - Principles for evaluation of vibration emission (ISO 20643:2005 + Amd. 1:2012)	0
DIN EN ISO 22867 2020-09	Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles	0
DIN EN ISO 22867 2022-03	Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles	0
DIN EN 12096 1997-09	Mechanical vibration - Declaration and verification of vibration emission values	0
ISO 14695 2003-04	Industrial fans - Method of measurement of fan vibration	0
ISO 14695 Technical Corrigendum 1:2009-03	Industrial fans - Method of measurement of fan vibration; Technical Corrigendum 1	0

1.5 ATP test station / transport refrigeration


DIN 1815 2004-12	Cargo van with thermal insulated cargo space for the transport of food - Requirements and testing	0
DIN EN ISO 2233 2001-11	Packaging - Complete, filled transport packages and unit loads - Conditioning for testing (ISO 2233:2000)	M,O
DIN EN 8915 2006-10	Mobile cooling systems - Safety requirements and testing	M,O
DIN 8958-2 1998-11	Testing of cooling equipment for insulated means of transportation - Part 2: Transport refrigerating system with eutectic elements, dry ice and cryogenic liquid gas	M,O
DIN 8959 2000-09 Corrigendum 1 2001-03	Insulated food carriers - Requirements and testing	M,O
ISO 10263-4 2009-02	Earth-moving machinery - Operator enclosure environment - Part 4: Heating, ventilating and air conditioning (HVAC) test method and performance	0

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DIN EN 12830 2018-10	Temperature recorders for the transport, storage and distribution of temperature sensitive goods - Tests, performance, suitability	M,O
DIN EN 13485 2002-02	Thermometers for measuring the air and product temperature for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream - Test, performance, suitability	M,O
DIN EN 13486 2002-02	Thermometer recorders and thermometers for the transport, storage and distribution of chilled, frozen, deep-frozen/quick-frozen food and ice cream - Periodic verification	M,O
ISO 14269-2 1997-12	Tractors and self-propelled machines for agriculture and forestry - Operator enclosure environment - Part 2: Heating, ventilation and air-conditioning test method and performance	O
DIN EN 16440-1 2015-05	Testing methodologies of refrigerating devices for insulated means of transport - Part 1: Mechanical cooling device with forced air circulation evaporator with or without heating device	M,O
DIN EN 17066-1 2019-10	Insulated means of transport for temperature sensitive goods - Requirements and testing - Part 1: Container	M,O
DIN 55545-1 2018-11	Packagings - Packagings with insulating properties - Part 1: Test method for the determination of thermal performance	M,O
DIN SPEC 91323 2016-03	Temperature conditioned transport equipment used for the distribution of pharmaceutical products (for human beings or veterinary use) - Guidelines for qualification	O
ATP-Agreement 2020-07	Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)	O
ATP-Agreement 2022-06	Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be Used for such Carriage (ATP)	O

1.6 Independent test areas

Eco design regulation (EU) 2016/2281 2016-11	COMMISSION REGULATION (EU) 2016/2281 of 30 November 2016 implementing Directive 2009/125/EC of the European Parliament and of the Council establishing a framework for the setting of ecodesign requirements for energy-related products, with regard to	M,O
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ecodesign requirements for air heating products, cooling products,
high temperature process chillers and fan coil units
Annex III – Measurements and calculations

DIN EN 60335-2-24 2019-11	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appli- ances and ice makers	M, O
DIN EN 60335-2-40 2014-01	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	M,O
DIN EN 60335-2-65 2013-02 Supplement 1 2016-06	Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances	M, O
DIN EN 60335-2-88 2003-09	Household and similar electrical appliances - Safety - Part 2-88: Particular requirements for humidifiers intended for use with heating, ventilation, or air-conditioning system	M, O
DIN EN 60335-2-89 2018-10	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor	M, O
DIN EN 60335-2-98 2020-05	Household and similar electrical appliances - Safety - Part 2-98: Particular requirements for humidifiers- (IEC 60335-2-98:2002 + A1:2004 + A2:2008)	M, O


2 Laboratory area combustion, heat and exhaust gas technology M

2.1 Gaseous fuels


DIN EN 676 2021-09	Forced draught burners for gaseous fuels
ISO 22967 2010-11	Forced draught gas burners
DIN 30665-1 1982-03	Gas-appliances - Gas burners for laboratory use (laboratory burn- ers) - Part 1: Safety requirements and tests

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DIN EN 303-1 2017-11	Heating boilers - Part 1: Heating boilers with forced draught burn- ers - Terminology, general requirements, testing and marking
DIN EN 303-3 2004-10 +Ber.1:2007-07	Heating boilers - Part 3: Gas-fired central heating boilers - Assembly comprising a boiler body and a forced draught burner
DIN EN 303-7 2007-05	Heating boilers - Part 7: Gas-fired central heating boilers equipped with a forced draught burner of nominal heat output not exceeding 1 000 kW
DIN EN 13836 2007-06	Gas-fired central heating boilers - Type B boilers of nominal heat in- put exceeding 300 kW, but not exceeding 1000 kW
DIN EN 15502-1 2015-10	Gas-fired heating boilers - Part 1: General requirements and tests
DIN EN 15502-1 2022-02	Gas-fired heating boilers - Part 1: General requirements and tests
DIN EN 15502-2-1 2017-09	Gas-fired central heating boilers - Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1000 kW
DIN EN 15502-2-2 2014-10	Gas-fired central heating boilers - Part 2-2: Specific standard for type B1 appliances
DIN EN 50465 2020-09	Gas appliances - Combined heat and power appliance of nominal heat input inferior or equal to 70 kW
DIN EN 26 2015-08	Gas-fired instantaneous water heaters for the production of domestic hot water
DIN EN 89 2015-08	Gas-fired storage water heaters for the production of domestic hot water
DIN EN 13203-1 2015-12	Gas fired domestic appliances producing hot water - Part 1: Assess- ment of performance of hot water deliveries
DIN EN 13203-2 2019-06	Gas-fired domestic appliances producing hot water - Part 2: Assess- ment of energy consumption

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DIN EN 13203-4 2017-07	Gas-fired domestic appliances producing hot water - Part 4: Assessment of energy consumption of gas combined heat and power appliances (mCHP) producing hot water and electricity
DIN EN 15033 2007-02	Room sealed storage water heaters for the production of sanitary hot water using LPG for vehicles and boats
DIN EN 416 2020-04	Gas-fired overhead radiant tube heaters and radiant tube heater systems for non-domestic use - Safety and energy efficiency
DIN EN 419 2020-04	Gas-fired overhead luminous radiant heaters for non-domestic use - Safety and energy efficiency
DIN EN 449 2008-03	Specification for dedicated liquefied petroleum gas appliances - Domestic flueless space heaters (including diffusive catalytic combustion heaters)
DIN EN 461 2004-11	Specifications for dedicated liquefied petroleum gas appliances - Flueless non-domestic space heaters not exceeding 10 kW
DIN EN 613 2001-06 +A1	Independent gas-fired convection heaters
DIN EN 613 2022-05	Independent gas-fired convection heaters
DIN EN 624 2011-10	Specification for dedicated LPG appliances - Room sealed LPG space heating equipment for installation in vehicles and boats
DIN EN 1266 2003-03 +A1	Independent gas-fired convection heaters incorporating a fan to assist transportation of combustion air and/or flue gases
DIN EN 13278 2014-03	Open fronted gas-fired independent space heaters
DIN EN 14438 2007-03	Gas-fired insets for heating more than one room
DIN EN 14543 2017-10	Specification for dedicated liquefied petroleum gas appliances - Parasol patio heaters - Flueless radiant heaters for outdoor or amply ventilated area use
DIN EN 14829 2007-11	Independent gas-fired flueless space heaters for nominal heat input not exceeding 6 kW

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DIN EN 30-1-1 2013-06	Domestic cooking appliances burning gas - Part 1-1: Safety - General
DIN EN 30-1-2 2012-06	Domestic cooking appliances burning gas - Safety - Part 1-2: Appliances having forced-convection ovens
DIN EN 30-1-3 2007-02	Domestic cooking appliances burning gas - Part 1-3: Safety - Appliances having a glass ceramic hotplate
DIN EN 30-1-4 2012-09	Domestic cooking appliances burning gas - Safety - Part 1-4: Appliances having one or more burners with an automatic burner control System
DIN EN 30-2-1 2015-08	Domestic cooking appliances burning gas - Part 2-1: Rational use of energy - General
DIN EN 30-2-2 1999-10	Domestic cooking appliances burning gas - Part 2-2: Rational use of energy - Appliances having forced-convection ovens and/or grills
DIN EN 203-1 2014-07 + Cor.1:2019-11	Gas heated catering equipment - Part 1: General safety rules
DIN EN 203-1 2022-05	Gas heated catering equipment - Part 1: General safety rules
DIN EN 203-2-1 2015-04	Gas heated catering equipment - Part 2-1: Specific requirements - Open burners and wok burners
DIN EN 203-2-1 2022-05	Gas heated catering equipment - Part 2-1: Specific requirements - Open burners and wok burners
DIN EN 203-2-2 2006-09	Gas heated catering equipment - Part 2-2: Specific requirements – Ovens
DIN EN 203-2-2 2022-05	Gas heated catering equipment - Part 2-2: Specific requirements - Ovens
DIN EN 203-2-3 2015-04	Gas heated catering equipment - Part 2-3: Specific requirements - Boiling pans
DIN EN 203-2-4	Gas heated catering equipment - Part 2-4: Specific requirements – Fryers

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2006-02	
DIN EN 203-2-4 2022-05	Gas heated catering equipment - Part 2-4: Specific requirements - Fryers
DIN EN 203-2-6 2006-02	Gas heated catering equipment - Part 2-6: Specific requirements - Hot water heaters for beverage
DIN EN 203-2-7 2014-07	Gas heated catering equipment - Part 2-7: Specific requirements - Salamanders and rotisseries
DIN EN 203-2-8 2006-02	Gas heated catering equipment - Part 2-8: Specific requirements - Brat pans and paëlla cookers
DIN EN 203-2-9 2006-02	Gas heated catering equipment - Part 2-9 Specific requirements - Solid tops, warming plates and griddles
DIN EN 203-2-10 2007-07	Gas heated catering equipment - Part 2-10: Specific requirements - Chargrills
DIN EN 203-2-11 2006-09	Gas heated catering equipment - Part 2-11: Specific requirements - Pasta cookers
DIN EN 484 2020-06	Specification for dedicated liquefied petroleum gas appliances - Independent stoves, including those incorporating a grill for outdoor use
DIN EN 497 1998-04	Specification for dedicated liquefied petroleum gas appliances - Multipurpose boiling burners for outdoor use
DIN EN 498 2012-04	Specification for dedicated liquefied petroleum gas appliances - Barbecues for outdoor use contact grills included
DIN EN 521 2020-05	Specifications for dedicated liquefied petroleum gas appliances - Portable vapour pressure liquefied petroleum gas appliances
DIN EN 732 1999-04	Specification for dedicated liquefied petroleum gas appliances - Absorption refrigerators
DIN 30683-1 1978-05	Gas-appliances with atmospheric gasburners for installations in bakeries and confectioneries
DIN 30683-2	Gas appliances; forced air gasburners with ventilation in bakeries

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1984-12

DIN EN 1596
2005-01 Specification for dedicated liquefied petroleum gas appliances - Mo-
bile and portable non-domestic forced convection direct fired air
heaters

DIN EN 17082
2020-04 Domestic and non-domestic gas-fired forced convection air heaters
for space heating not exceeding a net heat input of 300 kW

DIN EN 1458-1
2012-02 Domestic direct gas-fired tumble dryers of types B22D and B23D, of
nominal heat input not exceeding 6 kW - Part 1: Safety

DIN EN 1458-2
2012-01 Domestic direct gas-fired tumble dryers of types B22D and B23D, of
nominal heat input not exceeding 6 kW - Part 2: Rational use of en-
ergy

DIN EN 12309-1
2015-03 Gas-fired sorption appliances for heating and/or cooling with a net
heat input not exceeding 70 kW - Part 1: Terms and definitions

DIN EN 12309-2
2016-04 Gas-fired sorption appliances for heating and/or cooling with a net
heat input not exceeding 70 kW - Part 2: Safety

DIN EN 12309-3
2015-03 Gas-fired sorption appliances for heating and/or cooling with a net
heat input not exceeding 70 kW - Part 3: Test conditions

DIN EN 12309-4
2015-03 + C1:2015-10 Gas-fired sorption appliances for heating and/or cooling with a net
heat input not exceeding 70 kW - Part 4: Test methods


DIN EN 12309-5
2015-03 Gas-fired sorption appliances for heating and/or cooling with a net
heat input not exceeding 70 kW - Part 5: Requirements

DIN EN 12309-6
2015-03 Gas-fired sorption appliances for heating and/or cooling with a net
heat input not exceeding 70 kW - Part 6: Calculation of seasonal
performances


DIN EN 12309-7
2015-03 Gas-fired sorption appliances for heating and/or cooling with a net
heat input not exceeding 70 kW - Part 7: Specific provisions for hy-
brid appliances

DIN EN 509
2000-02+A1+A2 Decorative fuel-effect gas appliances


DIN EN 88-1
2016-06 Pressure regulators and associated safety devices for gas appli-
ances - Part 1: Pressure regulators for inlet pressures up to and in-
cluding 50 kPa

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DIN EN 88-2 2008-03	Pressure regulators and associated safety devices for gas appliances - Part 2: Pressure regulators for inlet pressures above 500 mbar up to and including 5 bar
E DIN EN 88-3* 2020-06	Safety and control devices for gas burners and gas burning appliances - Part 3: Pressure and/or flow rate regulators for inlet pressures up to and including 500 kPa, electronic types
DIN EN 125 2016-01	Flame supervision devices for gas burning appliances - Thermoelectric flame supervision devices
DIN EN 126 2012-06	Multifunctional controls for gas burning appliances
DIN EN 161 2013-04	Automatic shut-off valves for gas burners and gas appliances
DIN EN 257 2010-11	Mechanical thermostats for gas-burning appliances
DIN EN 298 2020-09	Automatic burner control systems for burners and appliances burning gaseous or liquid fuels
DIN EN 331 2016-04	Manually operated ball valves and closed bottom taper plug valves for gas installations for buildings
DIN EN 334 2019-11	Gas pressure regulators for inlet pressures up to 10 MPa (100 bar)
DIN EN 549 2019-09	Rubber materials for seals and diaphragms for gas appliances and gas equipment
DIN EN 1106 2010-09	Manually operated taps for gas burning appliances
DIN EN 1643 2014-09	Safety and control devices for gas burners and gas burning appliances - Valve proving systems for automatic shut-off valves
DIN EN 1854 2010-10	Pressure sensing devices for gas burners and gas burning appliances
DIN EN 12067-2 2004-06	Gas/air ratio controls for gas burners and gas burning appliances - Part 2: Electronic types

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DIN EN 13611 2019-06	Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - General requirements, also in connection with DIN EN 61508-1, DIN EN 61508-2, DIN EN 61508-3 and DIN EN 61508-4
DIN EN 13611 2022-01	Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - General requirements, also in connection with DIN EN 61508-1, DIN EN 61508-2, DIN EN 61508-3 and DIN EN 61508-4
DIN EN 13774 2013-05	Valves for gas distribution systems with maximum operating pressure less than or equal to 16 bar - Performance requirements
DIN EN 16304 2013-05	Automatic vent valves for gas burners and gas burning appliances
DIN EN 14141 2013-08	Valves for natural gas transportation in pipelines - Performance requirements and tests
E DIN EN 16898* 2020-07	Safety and control devices for gas burners and gas burning appliances - Gas filters having a maximum working pressure up to and including 600 kPa
ISO 23550 2018-04	Safety and control devices for gas and/or oil burners and appliances - General requirements
ISO 23551-1 2012-08	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 1: Automatic and semi-automatic valves
ISO 23551-2 2018-09	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 2: Pressure regulators
ISO 23551-3 2005-03	Safety and control devices for gas burners and gas-burning appliances. Particular requirements. Part 3. Gas/air ratio controls, pneumatic type
ISO 23551-4 2018-04	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 4: Valve-proving systems for automatic shut-off valves
ISO 23551-5 2014-05	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 5: Manual gas valves

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ISO 23551-6 2014-08	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 6: Thermoelectric flame supervision controls
ISO 23551-8 2016-02 + AMD1:2019-06 + DAM2:2019-05	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls
ISO 23551-9 2015-08	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 9: Mechanical gas thermostats
ISO 23551-10 2016-08	Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 10: Vent valves
ISO/DIS 23551-11 2020-02	Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 11: Automatic shut-off valves for operating pressure of above 500 kPa up to and including 6300 kPa

2.2 Liquid fuels


DIN EN 267 2021-09	Forced draught burners for liquid fuels
ISO 22968 2010-11	Forced draught oil burners
DIN EN 303-1 2017-11	Heating boilers - Part 1: Heating boilers with forced draught burners - Terminology, general requirements, testing and marking
DIN EN 303-2 2017-11	Heating boilers - Part 2: Heating boilers with forced draught burners - Special requirements for boilers with atomizing oil burners
DIN EN 303-4 1999-03	Heating boilers - Part 4: Heating boilers with forced draught burners; special requirements for boilers with forced draught oil burners with outputs up to 70 kW and a maximum operating pressure of 3 bar; terminology, special requirements, testing and marking
DIN EN 303-6 2019-12	Heating boilers - Part 6: Heating boilers with forced draught burners - Specific requirements for the domestic hot water operation and energy performance of water heaters and combination boilers with atomizing oil burners of nominal heat input not exceeding 70 kW

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DIN EN 304 2018-02	Heating boilers - Test code for heating boilers for atomizing oil burn- ers
DIN EN 15035 2007-05	Heating boilers - Special requirements for oil fired room sealed units up to 70 kW
DIN EN 13842 2004-10	Oil fired forced convection air heaters - Stationary and transportable for space heating
DIN EN 16647 2016-04 + Draft A1: 2020-04	Fireplaces for liquid fuels - Decorative appliances producing a flame using alcohol based or gelatinous fuel - Use in private households
DIN EN 1 2007-12	Flued oil stoves with vaporizing burners
DIN EN 12514-1 2000-05	Installations for oil supply systems for oil burners - Part 1: Safety re- quirements and tests; parts, oil feed pumps, control and safety de- vices, supply tanks
E DIN EN 12514* 2018-09	Components for supply systems for consuming units with liquid fuels
DIN EN 12514-2 2000-05	Installations for oil supply systems for oil burners - Part 2: Safety re- quirements and tests; parts, valves pipes, filters, oil de-aerators, me- ters
DIN EN ISO 23553-1 2014-09	Safety and control devices for oil burners and oil-burning appli- ances - Particular requirements - Part 1: Automatic and semi-auto- matic valves
DIN EN ISO 23553-1 2022-08	Safety and control devices for oil burners and oil-burning appli- ances - Particular requirements - Part 1: Automatic and semi-auto- matic valves
ISO 23552-1 2007-10 + AMD1:2010-10	Safety and control devices for gas and/or oil burners and gas and/or oil appliances - Particular requirements - Part 1: Fuel/air ratio con- trols, electronic type

2.3 Feste Brennstoffe

DIN EN 15270	Pellet burners for small heating boilers - Definitions, requirements,
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2008-03	testing, marking
DIN EN 303-5 2012-10	Heating boilers - Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW - Terminology, requirements, testing and marking
DIN EN 303-5 2021-09	Heating boilers - Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW - Terminology, requirements, testing and marking
DIN 4759 2018-04	Process heat installations for more than one kind of energy - One boiler for solid fuel and one for oil or gas and only one chimney - Safety requirements and tests
DIN EN 12809 2005-08	Residential independent boilers fired by solid fuel - Nominal heat output up to 50 kW - Requirements and test methods
DIN EN 12815 2005-09	Residential cookers fired by solid fuel - Requirements and test methods
DIN EN 13229 2005-10	Inset appliances including open fires fired by solid fuels - Requirements and test methods
DIN EN 13240 2005-10	Roomheaters fired by solid fuel - Requirements and test methods
DIN EN 14785 2006-09	Residential space heating appliances fired by wood pellets - Requirements and test methods
DIN EN 15250 2007-06	Slow heat release appliances fired by solid fuel - Requirements and test methods
DIN EN 15821 2011-01	Multi-firing sauna stoves fired by natural wood logs - Requirements and test methods
DIN EN 16510-1 2018-11	Residential solid fuel burning appliances - Part 1: General requirements and test methods
E DIN EN 16510-2-1* 2021-04	Residential solid fuel burning appliances - Part 2-1: Roomheaters
E DIN EN 16510-2-2* 2021-04	Residential solid fuel burning appliances - Part 2-2: Inset appliances including open fires

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- E DIN EN 16510-2-3* Residential solid fuel burning appliances - Part 2-3: Cookers
2021-04
- E DIN EN 16510-2-4* Residential solid fuel burning appliances - Part 2-4: Independent
2021-04 boilers - Nominal heat output up to 50 kW
- E DIN EN 16510-2-6* Residential solid fuel burning appliances - Part 2-6: Mechanically by
2021-04 wood pellets fed roomheaters, inset appliances and cookers
- EAD 19-27-0003-08.01 European Assessment Document for freestanding roomsealed heating
2019-12-30 appliances with connecting components

2.4 Fuel independent


- DIN EN 60335-1 Household and similar electrical appliances - Safety - Part 1: Gen-
2012-10 eral requirement
+Cor.1:2014-04
+Cor.2:2014-11
+Bbl.1:2016-06
+A13:2018
- DIN EN 60335-1 Household and similar electrical appliances - Safety - Part 1: Gen-
2020-08 eral requirement
- DIN EN 60335-2-102 Household and similar electrical appliances - Safety - Part 2-102:
2016-09 Particular requirements for gas, oil and solid-fuel burning appliances
having electrical connections
- DIN EN 60204-1 Safety of machinery - Electrical equipment of machines - Part 1:
2019-06 General requirements
- DIN EN 15456 Heating boilers - Electrical power consumption for heat generators -
2008-06 System boundaries - Measurements
- DIN 4754-1 Heat transfer installations working with organic heat transfer fluids -
2015-03 Part 1: Safety requirements, test
- DIN 4754-2 Heat transfer installations working with organic heat transfer fluids -
2015-03 Part 2: Draught diverter
- DIN 4754-3 Heat transfer installations working with organic heat transfer fluids -
2015-03 Part 3: Level controller

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DIN EN 12897 2020-05	Water supply - Specification for indirectly heated unvented (closed) storage water heaters
DIN EN 12266-1 2012-06	Industrial valves - Testing of metallic valves - Part 1: Pressure tests, test procedures and acceptance criteria - Mandatory requirements
DIN EN 12266-2 2012-04	Industrial valves - Testing of metallic valves - Part 2: Tests, test procedures and acceptance criteria - Supplementary requirements
DIN EN 14597 2015-02	Temperature control devices and temperature limiters for heat generating systems
DIN EN 14459 2016-02	Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Methods for classification and assessment
DIN EN 16340 2014-10	Safety and control devices for burners and appliances burning gaseous or liquid fuels - Combustion product sensing devices
DIN EN 16830 2017-06	Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Temperature Control function
DIN EN 60730-1 2017-05	Automatic electrical controls - Part 1: General requirements
DIN EN 60730-1 2021-06	Automatic electrical controls - Part 1: General requirements
DIN EN 60730-2-5 2020-01	Automatic electrical controls - Part 2-5: Particular requirements for automatic electrical burner control systems
DIN EN 60730-2-6 2020-10	Automatic electrical controls - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements
DIN EN IEC 60730-2-8 2020-12	Automatic electrical controls for household and similar use - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements
DIN EN IEC 60730-2-9 2021-01	Automatic electrical controls - Part 2-9: Particular requirements for temperature sensing controls

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DIN EN IEC 60730-2-14 2019-10	Automatic electrical controls - Part 2-14: Particular requirements for electric actuators
DIN EN IEC 60730-2-15 2020-02	Automatic electrical controls - Part 2-15: Particular requirements for automatic electrical air flow, water flow and water
DIN EN 60730-2-19 2009-01	Automatic electrical controls for household and similar use - Part 2-19: Particular requirements for electrically operated oil valves, including mechanical requirements
DIN EN 61010-1 2020-03	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
DIN EN 61010-2-201 2019-04	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-201: Particular requirements for control equipment
DIN EN 61010-2-202 2017-11	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-202: Particular requirements for electrically operated valve actuators
DIN EN 60068-2-2 2008-05	Environmental testing - Part 2-2: Tests - Test B: Dry heat
DIN EN 60068-2-6 2008-10	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)
DIN EN 60068-2-31 2009-04	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens
DIN EN 60068-2-75 2015-08	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests
DIN EN 60068-2-78 2014-02	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state
DIN EN 60529 2014-09 +Cor.1:2017-02 +Cor.2:2019-06	Degrees of protection provided by enclosures
DIN EN 60695-2-10 2014-04	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure

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DIN EN 60695-2-11 2014-11	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products
DIN EN 60695-2-12 2019-04	Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials
DIN EN 60695-2-13 2019-04	Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials
DIN EN 60695-10-2 2016-01	Fire hazard testing - Part 10-2: Abnormal heat - Ball pressure test method
DIN EN 60695-11-5 2017-12	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance
DIN EN 12952-8 2002-08	Water-tube boilers and auxiliary installations - Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler
DIN EN 12952-9 2003-04	Water tube boilers and auxiliary installations - Part 9: Requirements for firing systems for pulverized solid fuels for the boiler
DIN EN 12952-11 2007-09	Water-tube boilers and auxiliary installations - Part 11: Requirements for limiting devices of the boiler and accessories
DIN EN 12952-16 2003-04	Water-tube boilers and auxiliary installations - Part 16: Requirements for grate and fluidized bed firing systems for solid fuels for the boiler
DIN EN 12953-7 2002-08	Shell boilers - Part 7: Requirements for firing systems for liquid and gaseous fuels for the boiler
DIN EN 12953-9 2007-09	Shell boilers - Part 9: Requirements for limiting devices of the boiler and accessories
DIN EN 12953-12 2004-01	Shell boilers - Part 12: Requirements for grate firing systems for solid fuels for the boiler
VdTÜV Merkblatt Druck 100 2017-03	Anforderungen für die Prüfung von Druckwächtern und Druckbegrenzern
VdTÜV Merkblatt	Anforderungen für die Prüfung von

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Wasserüberwachung 100 2017-03	Wasserüberwachungseinrichtungen
VdTÜV Merkblatt Temperatur 100 2017-03	Anforderungen für die Prüfung von Temperaturreglern, Temperaturwächtern, Temperaturbegrenzern und Thermischen Ablaufsicherungen
VdTÜV Merkblatt Strömung 100 2017-03	Anforderungen an Strömungswächter und Strömungsbegrenzer
VdTÜV Merkblatt Wasserstand 100 2018-08	Anforderungen an Wasserstandregel- und -begrenzungseinrichtungen
DIN EN 50156-1 2016-03	Electrical equipment for furnaces and ancillary equipment - Part 1: Requirements for application design and installation, also in connection with DIN EN 61508-1, DIN EN 61508-2, DIN EN 61508-3 and DIN EN 61508-4
DIN EN 50156-2 2016-03	Electrical equipment for furnaces and ancillary equipment - Part 2: Requirements for design, development and type approval of safety devices and subsystems, also in connection with mit DIN EN 61508-1, DIN EN 61508-2, DIN EN 61508-3 and DIN EN 61508-4
VdTÜV Merkblatt Dampfkessel 467 2020-02	Hinweise für die Prüfungen von Beheizungen für Druckgeräte (Feuerungsanlagen)
DIN EN 746-2 2011-02	Industrial thermoprocessing equipment - Part 2: Safety requirements for combustion and fuel handling systems
ISO 13577-2 2014-09	Industrial furnaces and associated processing equipment - Safety - Part 2: Combustion and fuel handling systems
ISO 13577-4 2014-09	Industrial furnace and associated processing equipment - Safety - Part 4: Protective systems
DIN EN 62061 2016-05	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems
DIN EN ISO 13849-1	Safety of machinery - Safety-related parts of control systems -

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2016-06	Part 1: General principles for design
DIN EN 1457-1 2012-04	Chimneys - Clay/ceramic flue liners - Part 1: Flue liners operating under dry conditions - Requirements and test methods
DIN EN 1457-2 2012-04	Chimneys - Clay/ceramic flue liners - Part 2: Flue liners operating under wet conditions - Requirements and test methods
DIN EN 1806 2006-10	Chimneys - Clay/ceramic flue blocks for single wall chimneys - Requirements and test methods
DIN EN 1856-1 2009-09	Chimneys - Requirements for metal chimneys - Part 1: System chimney products
DIN EN 1856-2 2009-09	Chimneys - Requirements for metal chimneys - Part 2: Metal flue liners and connecting flue pipes
DIN EN 1857 2010-08	Chimneys - Components - Concrete flue liners
DIN EN 1858 2011-09	Chimneys - Components - Concrete flue blocks
DIN EN 1859 2013-07	Chimneys - Metal chimneys - Test methods
DIN EN 12446 2011-09	Chimneys - Components - Concrete outer wall elements
DIN EN 13063-1 2007-10	Chimneys - System chimneys with clay/ceramic flue liners - Part 1: Requirements and test methods for sootfire resistance
DIN EN 13063-2 2007-10	Chimneys - System chimneys with clay/ceramic flue liners - Part 2: Requirements and test methods under wet conditions
DIN EN 13063-3 2007-10	Chimneys - System chimneys with clay/ceramic flue liners - Part 3: Requirements and test methods for air flue system chimneys
DIN EN 13069 2005-12	Chimneys - Clay/ceramic outer walls for system chimneys - Requirements and test methods
DIN EN 13216-1 2019-07	Chimneys - Test methods for system chimneys - Part 1: General test methods

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DIN EN 14241-1 2013-11	Chimneys - Elastomeric seals and elastomeric sealants - Material requirements and test methods - Part 1: Seals in flue liners
DIN EN 14471 2015-03	Chimneys - System chimneys with plastic flue liners - Requirements and test methods
DIN EN 14989-1 2007-05	Chimneys - Requirements and test methods for metal chimneys and material independent air supply ducts for roomsealed heating applications - Part 1: Vertical air/flue terminals for C6-type appliances
DIN EN 14989-2 2008-03	Chimneys - Requirements and test methods for metal chimneys and material independent air supply ducts for roomsealed heating applications - Part 2: Flue and air supply ducts for room sealed appliances
DIN CEN TS 16134 2011-11 DIN SPEC 91232 2011-11	Chimney terminals - General requirements and material independent test methods
DIN EN 16475-1 2020-07	Chimneys - Accessories - Part 1: Chimney silencers - Requirements and test methods
DIN EN 16475-2 2017-07	Chimneys - Accessories - Part 2: Chimney fans - Requirements and test methods
DIN EN 16475-3 2019-03	Chimneys - Accessories - Part 3: Draught regulators, standstill opening devices and combined secondary air devices - Requirements and test methods
DIN EN 16475-4 2020-07	Chimneys - Accessories - Part 4: Flue dampers - Requirements and test methods
DIN EN 16475-6 2020-07	Chimneys - Accessories - Part 6: Access components - Requirements and test methods
DIN EN 16475-7 2020-10	Chimneys - Accessories - Part 7: Rain caps - Requirements and test methods
DIN EN 16497-1 2015-05	Chimneys - Concrete System Chimneys - Part 1: Non-balanced flue applications
DIN EN 16497-2	Chimneys - Concrete System Chimneys - Part 2: Balanced flue

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2017-07	applications
DIN EN 50379-1 2013-06	Specification for portable electrical apparatus designed to measure combustion flue gas parameters of heating appliances - Part 1: General requirements and test methods
DIN EN 50379-2 2013-06	Specification for portable electrical apparatus designed to measure combustion flue gas parameters of heating appliances - Part 2: Performance requirements for apparatus used in statutory inspections and assessment
DIN EN 50379-3 2013-06	Specification for portable electrical apparatus designed to measure combustion flue gas parameters of heating appliances - Part 3: Performance requirements for apparatus used in non-statutory servicing of gas fired heating appliances
VDI 4206 Blatt 1 2010-08	Performance criteria and test procedures for measuring devices for monitoring emissions at small firing installations - Measuring devices for the determination of gaseous emissions and flue gas parameters
VDI 4206 Blatt 1 2021-12	Performance criteria and test procedures for measuring devices for monitoring emissions at small firing installations - Measuring devices for the determination of gaseous emissions and flue gas parameters
VDI 4206 Blatt 2 2015-02	Performance criteria and test procedures for measuring devices for monitoring emissions at small firing installations - Measuring devices for the determination of particulate emissions
VDI 4206 Blatt 3 2010-08	Performance criteria and test procedures for measuring devices for monitoring emissions at firing installations - Measuring devices for the determination of smoke number
VDI 4206 Blatt 4 2013-08	Performance criteria and test procedures for measuring devices for monitoring emissions at small firing installations - Measuring devices for the determination of moisture of wood fuels

Within the framework of the following regulations only tests:

Delegated* Regulation (EU) Nr. 812/2013 2013-02	COMMISSION DELEGATED REGULATION (EU) No 812/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of water heaters, hot water storage tanks and packages of water heater and solar device
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Delegated*
Regulation (EU)
Nr. 813/2013
2013-08

COMMISSION REGULATION (EU) No 813/2013 of 2 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for space heaters and combination heaters

Delegated*
Regulation (EU)
Nr. 814/2013
2013-08

COMMISSION REGULATION (EU) No 814/2013 of 2 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for water heaters and hot water storage tanks

Delegated*
Regulation (EU)
Nr. 2015/1185
2015-04-

COMMISSION REGULATION (EU) 2015/1185 of 24 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel local space heaters

Delegated*
Regulation (EU)
Nr. 2015/1186
2015-04

COMMISSION DELEGATED REGULATION (EU) 2015/1186 of 24 April 2015 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of local space heaters

Delegated*
Regulation (EU)
Nr. 2015/1187
2015-04

COMMISSION DELEGATED REGULATION (EU) 2015/1187 of 27 April 2015 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of solid fuel boilers and packages of a solid fuel boiler, supplementary heaters, temperature controls and solar devices


Delegated*
Regulation (EU)
Nr. 2015/1189
2015-04

COMMISSION REGULATION (EU) 2015/1189 of 28 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel boilers

3 Building automation

DIN EN ISO 16484-5 2017-12	Building automation and control systems (BACS) - Part 5: Data communication protocol (ISO 16484-5:2017);	Client device: software on defined hardware
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DIN EN ISO 16484-6: 2014-09	Building automation and control systems (BACS) - Part 6: Data communication conformance testing (ISO 16484-6:2014)	Client device: software on defined hardware
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ANSI/ASHRAE 135-2020	BACnet-A Data Communication Protocol for Building Automation and Control Networks	Client device: software on defined hardware
ANSI/ASHRAE 135.1-2019	Method of Testing for Conformance to BACnet Addendum o to ANSI/ASHRAE 135.1:2019	Client device: software on defined hardware
BTL Test Plan 18.1	BACnet Testing Laboratories Test Plan Revision 18.1	Client device: software on defined hardware
BTL Specified Tests 18.1	BACnet Testing Laboratories Specified Tests Revision 18.1	Client device: software on defined hardware
BTL Functionality Checklist 18.1	BACnet Testing Laboratories Functionality Checklist Revision 18.1	Client device: software on defined hardware

4 Gas appliances within the scope of the product safety act (ProdSG) and EG regulation (EU) 2016/426

ProdSG* 2011-12	Product safety act (BGBl. I S 2178)
Regulation (EU) 2016/426*	REGULATION (EU) 2016/426 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on appliances burning gaseous fuels and repealing Directive 2009/142/EC

5 Testing of construction products within the framework of the regulation (EU) Nr. M 305/2011 to establish harmonized conditions for the marketing construction products (Construction products regulation)

Determination / commission decision	System ¹⁾	Technical specification
1999/471/EG Space heating	3	EN 1:1998+A1:2007 Flued oil stoves with vaporizing burners

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systems that burns solid and liquid fuels	EN 12809:2001+A1:2004+AC:2006+AC:2007 Residential independent boilers fired by solid fuel - Nominal heat output up to 50 kW - Requirements and test methods
	EN 12815:2001+A1:2004+AC:2006+AC:2007 Residential cookers fired by solid fuel - Requirements and test methods
	EN 13229:2001+A1:2003+A2:2004+AC:2006+AC:2007 Inset appliances including open fires fired by solid fuels - Requirements and test methods
	EN 13240:2001+A2:2004+AC:2006+AC:2007 Roomheaters fired by solid fuel - Requirements and test methods
	EN 14785:2006 Residential space heating appliances fired by wood pel- lets - Requirements and test methods
	EN 15250:2007 Slow heat release appliances fired by solid fuel - Re- quirements and test methods
	EN 15821:2010 Multi-firing sauna stoves fired by natural wood logs - Requirements and test methods
	EAD 19-27-0003-08.01:2019-12-30 2 I European Assessment Document for freestanding roomsealed heating appliances with connecting compo- nents

¹⁾ System of assessment of constancy of performance

Used abbreviations:

DIN	Deutsches Institut für Normung e.V. German institute of standardisation
EN	European standard
ISO	Institute of Standardisation
VDI	Association of German Engineers
AS	Australian Standard