



INTERNATIONAL
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CERTIFICATE OF ACCREDITATION

This is to attest that

INTERTEK TESTING SERVICES (THAILAND) LTD.

1285/5 PRACHACHUEN ROAD, WONGSAWANG, BANGKOK 10800
BANGSUE, THAILAND

Testing Laboratory TL-1124

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date November 18, 2024



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

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INTERTEK TESTING SERVICES (THAILAND) LTD.

www.intertek.com

Contact Name Suvit Nitipavachon

Contact Phone +66-27652999

Accredited to ISO/IEC 17025:2017

Effective Date November 18, 2024

Energy Star	
ENERGY STAR® Program Requirements for Commercial Refrigerators and Freezers	
ENERGY STAR® Program Requirements Product Specification for Central Air Conditioner and Heat Pump Equipment	
ENERGY STAR® Program Requirements Product Specification for Consumer Refrigeration Products	
Energy Efficiency and Performance	
10 CFR 430, subpart B, appendix A	Uniform Test Method for Measuring the Energy Consumption of Refrigerators, Refrigerator-Freezers, and Miscellaneous Refrigeration Products
10 CFR 430, subpart B, appendix B	Uniform Test Method for Measuring the Energy Consumption of Freezers
10 CFR 430, subpart B, appendix M	Uniform Test Method for Measuring the Energy Consumption of Central Air Conditioners and Heat Pumps
10 CFR 430, subpart B, appendix M1	Uniform Test Method for Measuring the Energy Consumption of Central Air Conditioners and Heat Pumps
10 CFR Part 431 Subpart C	Commercial Refrigerators, Freezers and Refrigerator-Freezers
10 CFR Part 431, Subpart C, Appendix B	Amended Uniform Test Method for the Measurement of Energy Consumption of Commercial Refrigerators, Freezers, and Refrigerator-Freezers
10 CFR Part 431.64	Uniform test method for the measurement of energy consumption of commercial refrigerators, freezers, and refrigerator-freezers.
10 CFR Part 431.66 (e) (2)	Energy conservation standards and their effective dates.
AHAM HRF-1	Energy and Internal Volume of Consumer Refrigeration Products
AHAM RAC-1: 2019	Energy Measurement Test Procedure for Room Air Conditioners
AHRI 210/240	Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment
AHRI 210/240	Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment
AHRI 1200	Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets

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AHRI 1360	Performance Rating of Computer and Data Processing Room Air Conditioners
ANSI/AHAM HRF-1	Energy and Internal Volume of Refrigerating Appliances
ANSI/AHAM RAC-1: 2015	Room air conditioners
ANSI/AHRI 390	Performance Rating of Single Package Vertical Air-Conditioners and Heat Pumps
ANSI/AHRI 1230	Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment
ANSI/ASHRAE 37	Methods Of Testing for Rating Electrically Driven Unitary Air-Conditioning And Heat-Pump Equipment
ANSI/ASHRAE 72	Method of Testing Open and Closed Commercial Refrigerators and Freezers
ANSI/ASHRAE 127	Air conditioners and liquid chilling packages with evaporatively cooled condenser and with electrically driven compressors for space cooling - Terms, definitions, test conditions, test methods and requirements
AS/NZS 3823.1.1: 2012	Performance of electrical appliances - Air conditioners and heat pumps, Part 1.1: Non-ducted air conditioners and heat pumps - Testing and rating for performance
AS/NZS 3823.1.2: 2012	Performance of electrical appliances - Air conditioners and heat pumps - Ducted air conditioners and air-to-air heat pumps—Testing and rating for performance
AS/NZS 3823.1.4: 2012	Performance of electrical appliances - Air conditioners and heat
AS/NZS 3823.2: 2013	Performance of electrical appliances—Air conditioners and heat pumps Part 2: Energy labelling and minimum energy performance standards (MEPS) requirements
AS/NZS 3823.4.1: 2014	Performance of electrical appliances—Air conditioners and heat pumps Part 4.1: Air-cooled air conditioners and air-to-air heat pumps—Testing and calculating methods for seasonal performance factors—Cooling seasonal performance factor
AS/NZS 3823.4.1 + AMD 1: 2017	Performance of electrical appliances—Air conditioners and heat pumps Part 4.1: Air-cooled air conditioners and air-to-air heat pumps—Testing and calculating methods for seasonal performance factors—Cooling seasonal performance factor
AS/NZS 3823.4.2: 2014	Performance of electrical appliances—Air conditioners and heat pumps Part 4.2: Air-cooled air conditioners and air-to-air heat pumps—Testing and calculating methods for seasonal performance factors—Heating seasonal performance factor
AS/NZS 3823.4.2 + AMD 1: 2017	Performance of electrical appliances—Air conditioners and heat pumps Part 4.2: Air-cooled air conditioners and air-to-air heat pumps—Testing and calculating methods for seasonal performance factors—Heating seasonal performance factor
AS/NZS 3823.4.3: 2014	Performance of electrical appliances—Air conditioners and heat pumps Part 4.3: Air-cooled air conditioners and air-to-air heat pumps—Testing and calculating methods for seasonal performance factors—Annual performance factor

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AS/NZS 3823.4.3 + AMD 1: 2017	Performance of electrical appliances—Air conditioners and heat pumps Part 4.3: Air-cooled air conditioners and air-to-air heat pumps—Testing and calculating methods for seasonal performance factors—Annual performance factor
AS/NZS 4474	Household refrigerating appliances - Energy labelling and minimum energy performance standards requirements
AS/NZS 4474.1	Performance of household electrical appliances—Refrigerating appliances Part 1: Energy consumption and performance
AS/NZS 4474.2	Performance of household electrical appliances—Refrigerating appliances Part 2: Energy labelling and minimum energy performance standard requirements
AS/NZS IEC 62552.1	Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements
AS/NZS IEC 62552.2	Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements
AS/NZS IEC 62552.3	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume
CAN/CSA-C300	Energy performance and capacity of household refrigerators, refrigerator-freezers, freezers, and wine chillers
Code of Practice on Energy Labelling of Products 2020 (EMSD)	Code of Practice on Energy Labelling of Products 2020, Electrical and Mechanical Services Department, The Government of the Hong Kong Special Administrative Region - Clauses 7 to 17 on the energy performance and electrical safety requirements
Code of Practice on Energy Labelling of Products 2024 (EMSD)	Code of Practice on Energy Labelling of Products 2024, Electrical and Mechanical Services Department, The Government of the Hong Kong Special Administrative Region - Clauses 7 to 17 on the energy performance and electrical safety requirements
CSA C656-14	Performance standard for split-system and single-package air conditioners and heat pumps
CSA C657:15	Energy performance standard for commercial refrigeration equipment
DOE DC2020-06-0015, Annex D.1: 2020	DOE DC2020-06-0015 Annex D.1 Particular Product Requirements: Air Conditioners
EN 153	Methods of measuring the energy consumption of electric mains operated household refrigerators, frozen food storage cabinets, food freezers and their combinations, together with associated characteristics
EN 14511-1	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors Terms and definitions
EN 14511-2	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors Test conditions
EN 14511-3	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods
EN 14511-4	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements
EN 14825	Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling. Testing and rating at part load conditions and calculation of seasonal performance

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EN 50564	Electrical and electronic household and office equipment. Measurement of low power consumption
EN 62301	Household electrical appliances - Measurement of standby power
EN 62552	Household refrigerating appliances - Characteristics and test methods
EN 62552-1	Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements
EN 62552-2	Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements
EN 62552-3	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume
ES 3795-1: 2016	Energy efficiency label requirements for air conditioners Part 1: Room air conditioner (window-split) with fixed capacity & fixed compressor
ES 3795-5: 2018	Energy efficiency label requirements for air conditioners Part 5: fixed capacity ducted room air conditioner with fixed speed compressor
ES 4814: 2018	Non-ducted air conditioners and heat pumps - Testing and rating for performance
ES 5072: 2017	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii)	Frost Free Refrigerator and Direct Cool Refrigerator
GSO 2530: 2016	Energy labelling and minimum energy performance requirements for air-conditioners
GSO 2531: 2016	Safety and performance requirements for Air-conditioners and methods of test including MEPS
GSO IEC 62552-1	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1: General Requirements
GSO IEC 62552-2	Household Refrigerating Appliances - Characteristics and Test Methods - Part 2: Performance Requirements
GSO IEC 62552-3	Household Refrigerating Appliances - Characteristics and Test Methods - Part 3: Energy Consumption And Volume
GSO ISO 5151: 2014	Non-ducted air conditioners and heat pumps - Testing and rating for performance
GSO ISO 5151: 2021	Non-ducted air conditioners and heat pumps - Testing and rating for performance
GSO ISO 13253: 2009	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
GSO ISO 13253: 2021	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
GSO ISO 16358-1: 2016	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 1: Cooling seasonal performance factor
GSO ISO 16358-2: 2016	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 2: Heating seasonal performance factor
GSO ISO 16358-3: 2016	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 3: Annual performance factor

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Guide on Minimum Energy Performance Standard Requirements for Air-conditioner with Cooling Capacity \leq 7.1kW, 2018	Guide on Minimum Energy Performance Standard Requirements for Air-conditioner with Cooling Capacity \leq 7.1kW, 2018 Department of Energy, Prime Minister Office, BRUNEI DARUSSALAM
Guidelines for minimum energy performance standards and energy labelling (Air-conditioners with cooling capacity \leq 7.1kw)	Guidelines for minimum energy performance standards and energy labelling (air-conditioners with cooling capacity \leq 7.1kw) Department of Energy, Prime Minister Office, BRUNEI DARUSSALAM
IEC 62552	Household refrigerating appliances - Characteristics and test methods
IEC 62552-1	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1: General Requirements
IEC 62552-2	Household Refrigerating Appliances - Characteristics and Test Methods - Part 2: Performance Requirements
IEC 62552-3	Household Refrigerating Appliances - Characteristics And Test Methods - Part 3: Energy Consumption And Volume
Implementing guidelines of the Philippine Energy Labelling Program for Air conditioners, 2021	Implementing guidelines of the Philippine Energy Labelling Program for Air conditioners, 2021
Implementing Guidelines of The Philippine Energy Labelling Program for Refrigerating Appliances (Issued MAY112021)	Implementing guidelines of the PHILIPPINE energy labelling program for refrigerating appliances
IS 1391 Part 1: 2017	Room air conditioners - specification Part 1 Unitary air conditioners
IS 1391 Part 1: 2017/AMD 1: 2018	Room air conditioners - specification Part 1 Unitary air conditioners
IS 1391 Part 1: 2017/AMD 2: 2019	Room air conditioners - specification Part 1 Unitary air conditioners
IS 1391 Part 1: 2017/AMD 3: 2020	Room air conditioners - specification Part 1 Unitary air conditioners
IS 1391 Part 1: 2017/AMD 4: 2021	Room air conditioners - specification Part 1 Unitary air conditioners
IS 1391 Part 2: 2018	Room air conditioners - specification Part 2 Split air conditioners
IS 1391 Part 2: 2018/AMD 1: 2018	Room air conditioners - specification Part 2 Split air conditioners
IS 1391 Part 2: 2018/AMD 2: 2019	Room air conditioners - specification Part 2 Split air conditioners
IS 1391 Part 2: 2018/AMD 3: 2020	Room air conditioners - specification Part 2 Split air conditioners
IS 1391 Part 2: 2018/AMD 4: 2021	Room air conditioners - specification Part 2 Split air conditioners
IS 1476	Performance of Household Refrigerating Appliance - Refrigerators with or Without Low Temperature Compartment, Part 1: Energy Consumption and Performance
IS 7872: 2020	Deep Freezers - Specification

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IS 8148: 2003	Ducted and package air-conditioners - Specification
IS 8148: 2018	Ducted and package air-conditioners - Specification
IS 15750	Household frost-free refrigerating appliances - refrigerators cooled by internal forced air circulation - characteristics and test methods – specification
IS 17550 (Part 1)	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1: General Requirements
IS 17550 (Part 2)	Household Refrigerating Appliances - Characteristics and Test Methods - Part 2: Performance Requirements
IS 17550 (Part 3)	Household Refrigerating Appliances - Characteristics and Test Methods - Part 3: Energy Consumption and Volume
ISO 5151: 1994	Non-ducted air conditioners and heat pumps - Testing and rating for performance
ISO 5151: 2010	Non-ducted air conditioners and heat pumps - Testing and rating for performance
ISO 5151: 2017	Non-ducted air conditioners and heat pumps - Testing and rating for performance
ISO 5151: 2017 / AMD1: 2020	Non-ducted air conditioners and heat pumps - Testing and rating for performance
ISO 5155	Household refrigerating appliances — Frozen food storage cabinets and food freezers — Characteristics and test methods
ISO 7371	Household refrigerating appliances — Refrigerators with or without low-temperature compartment — Characteristics and test methods — Amendment 1: for the preservation of highly perishable foodstuffs
ISO 8187	Household refrigerating appliances — Refrigerator-freezers — Characteristics and test methods — Amendment 1: compartments for the preservation of highly perishable foodstuffs
ISO 8561	Household frost-free refrigerating appliances — Refrigerators, refrigerator-freezers, frozen food storage cabinets and food freezers cooled by internal forced air circulation — Characteristics and test methods
ISO 13253: 1995	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
ISO 13253: 1995 Edition 2: 2011	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
ISO 13253: 2017	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
ISO 13253: 2017 / AMD1: 2020	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
ISO 15042: 2011	Multiple split-system air-conditioners and air-to-air heat pumps — Testing and rating for performance
ISO 15042: 2017	Multiple split-system air-conditioners and air-to-air heat pumps — Testing and rating for performance
ISO 15042:2017 / AMD1: 2020	Multiple split-system air-conditioners and air-to-air heat pumps — Testing and rating for performance
ISO 15502	Household refrigerating appliances — Characteristics and test methods
ISO 16358-1 Edition 1.0: 2013	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 1: Cooling seasonal performance factor
ISO 16358-1 Edition 1.0: 2013/Cor.1: 2013	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 1: Cooling seasonal performance factor

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ISO 16358-1 Edition 1.0: 2013, Amd1: 2019	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 1: Cooling seasonal performance factor
ISO 16358-2 Edition 1.0: 2013	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 2: Heating seasonal performance factor
ISO 16358-3 Edition 1.0: 2013	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 3: Annual performance factor
KS 2463: 2013	Non-ducted air conditioners and heat pumps - Testing and rating for performance
KS 2463: 2019	Non-ducted air conditioners and heat pumps - Testing and rating for performance
KS 2464-1	Performance of household electrical appliances - refrigerating appliances - part 1: energy consumption and performance
KS 2464-2	Performance of household electrical appliances – refrigerating appliances – part 2: energy labelling and minimum energy performance standard requirements
KS IEC 62552-1	Household refrigerating appliances-Characteristics and test methods-Part 1: General requirements
KS IEC 62552-2	Household refrigerating appliances-Characteristics and test methods-Part 2: Performance requirements
KS IEC 62552-3	Household refrigerating appliances-Characteristics and test methods- Part 3: Energy consumption and volume
KWS 1893: 2018	Energy efficiency labelling and minimum energy performance requirements for DX Air-conditioners up to 70,000 Btu/h
KWS 1900	Refrigerators, refrigerators-freezers and freezers – energy performance, testing and labelling requirements
MEW/R6/2018	Energy conservation code for buildings
MS 201	Energy efficiency and labelling requirements – Household refrigerating appliances
MS 1597-2-40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
MS IEC 62301	Household electrical appliances - Measurement of standby power
MS IEC 62552	Household refrigerating appliances - Characteristics and test methods
MS IEC 62552-1	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1: General Requirements
MS IEC 62552-2	Household Refrigerating Appliances - Characteristics and Test Methods - Part 2: Performance Requirements
MS IEC 62552-3	Household Refrigerating Appliances - Characteristics and Test Methods - Part 3: Energy Consumption and Volume
MS ISO 5151: 2004	Non-ducted air conditioners and heat pumps - Testing and rating for performance
MS ISO 5151: 2012	Non-ducted air conditioners and heat pumps - Testing and rating for performance
OS 1653	Refrigerators, refrigerator- freezers and freezers - energy performance, testing and energy efficiency labelling requirements
OS GSO IEC 62552-1	Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements

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OS GSO IEC 62552-2	Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements
OS GSO IEC 62552-3	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume
PNS 240: 1998	Non-ducted air conditioners and heat pumps - Testing and rating for performance
PNS 396-1: 1998	Household appliances - Energy efficiency ratio (EER) and labelling requirements Part 1: Non-ducted air conditioners
PNS 396-1: 2007	Household appliances - Energy efficiency ratio (EER) and labelling requirements Part 1: Non-ducted air conditioners
PNS 396-2	Household appliances – Energy efficiency factor (EEF) and labelling requirements – Part 2: Refrigerator and freezers
PNS IEC 62552-1	Household Refrigerating Appliances - Characteristics and Test Methods - Part 1: General Requirements
PNS IEC 62552-2	Household Refrigerating Appliances - Characteristics and Test Methods - Part 2: Performance Requirements
PNS IEC 62552-3	Household Refrigerating Appliances - Characteristics and Test Methods - Part 3: Energy Consumption and Volume
PNS ISO 5151: 2014	Non-ducted air conditioners and heat pumps - Testing and rating for performance
PNS ISO 16358-1: 2014	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 1: Cooling seasonal performance factor
QCC-PCS-ASP017.01: 2016	Abu Dhabi Certification Scheme for Ozone Friendly Air-cooled Unitary Air Conditioners
QCC-RQ25-02	Abu Dhabi Quality and Conformity Council (QCC) Specific Requirements for Certification of Ozone Friendly Air-cooled Unitary Air Conditioners Clause 5.2 Specific Test Requirements for Minimum Energy Performance
QS 2663: 2019	Energy labelling and minimum energy performance requirements for air-conditioners
QS 2663: 2020	Energy labelling and minimum energy performance requirements for air-conditioners
QS SASO 2663: 2013	Energy labelling and minimum energy performance requirements for air-conditioners
QS SASO 2663: 2015	Energy labelling and minimum energy performance requirements for air-conditioners
Regulation of Minister of Energy and Mineral Resources of the republics of Indonesia No. 57 of 2017 regarding application of minimum energy performance standard and attachment of energy saving sign label for air conditioning devices	Regulation of Minister of Energy and Mineral Resources of the republics of Indonesia No. 57, 2017

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Regulation on Energy Labelling and Minimum Energy Performance Requirements for air-conditioners, 2022	Regulation on energy labelling and minimum energy performance requirements for air conditioners (BAHRAIN)
SANS 941: 2014	Energy efficiency of electrical and electronic apparatus
SANS 54511-3: 2016 Ed.2	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling Part 3: Test methods
SANS 62552	Household refrigerating appliances - Characteristics and test methods
SASO 2663	Air Conditioners - Minimum Energy Performance, Labelling and Testing Requirements for Low-Capacity Window and Single-Split Types
SASO 2663: 2012	Energy labelling and minimum energy performance requirements for air-conditioners
SASO 2663: 2014	Energy labelling and minimum energy performance requirements for air-conditioners
SASO 2663: 2018	Air Conditioners - Minimum Energy Performance, Labelling and Testing Requirements for Low-Capacity Window and Single-Split Types
SASO 2663: 2021	Air Conditioners - Minimum Energy Performance, Labelling and Testing Requirements for Low-Capacity Window and Single-Split Types
SASO 2663: 2021+AMD 1: 2023	Air Conditioners - Minimum Energy Performance, Labelling and Testing Requirements for Low-Capacity Window and Single-Split Types
SASO 2664: 2007	Energy performance and capacity household refrigerators, refrigerator freezers, and freezers
SASO 2664: 2013	Energy performance and capacity household refrigerators, refrigerator freezers, and freezers
SASO 2681: 2007	Non-ducted air conditioners and heat pumps - Testing and rating for performance
SASO 2681: 2013	Non-ducted air conditioners and heat pumps - Testing and rating for performance
SASO 2682: 2007	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
SASO 2682: 2013	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
SASO 2892	Refrigerators, Refrigerator- Freezers and Freezers -Energy Performance, Testing and Labelling Requirements
SASO 2892: 2018	Refrigerators, Refrigerator- Freezers and Freezers -Energy Performance, Testing and Labelling Requirements
SASO 2892: 2018/ A2: 2021	Refrigerators, Refrigerator- Freezers and Freezers -Energy Performance, Testing and Labelling Requirements
SASO BAHRAIN 2663: 2015	Regulation on Energy Labelling and Minimum Energy Performance requirements for Air-conditioners
SASO GSO ISO 5151: 2010	Non-ducted air conditioners and heat pumps - Testing and rating for performance
SASO IEC 62552: 2007	Household refrigerating appliances - Characteristics and test methods
SASO ISO 5151: 2021	Non-ducted air conditioners and heat pumps - Testing and rating for performance
SASO ISO 13253: 2021	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance

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Schedule-1 Frost Free (No-Frost) Refrigerator Rev.4, 17-12-2015	Refrigerating appliances
SI 62552	Household refrigerating appliances - Characteristics and test methods
SNI 04-6958-2003	Electric Utilization Equipment of Household and Similar – Label of Energy Efficiency Mark
SNI 19-6713-2002	Air conditioning and heat pump without channel performance testing and assessment
SS 360	Performance and construction of electric circulating fans and regulators
SS 646	Specification for water heaters for household use – Method for measuring energy performance
TCVN 6576: 1999	Non-ducted air conditioners and heat pumps - Testing and rating for performance
TCVN 6576: 2020	Non-ducted air conditioners and heat pumps - Testing and rating for performance
TCVN 6576: 2013	Non-ducted air conditioners and heat pumps - Testing and rating for performance
TCVN 6577: 2020	Ducted air-conditioners and air-to-air heat pumps - Testing and rating for performance
TCVN 7828	Household refrigerator, refrigerator-freezer, and freezer - Energy efficiency
TCVN 7829	Refrigerator, refrigerator-freezer and freezer– Methods for determination of energy efficiency
TCVN 7830: 2012	Non-ducted air conditioners - Energy efficiency
TCVN 7830: 2015	Non-ducted air conditioners - Energy efficiency
TCVN 7830: 2021	Non-ducted air conditioners - Energy efficiency
TCVN 7831: 2012	Non-ducted air conditioners - Method for determination of energy efficiency
TCVN 10273-1: 2013	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 1: Cooling seasonal performance factor
TCVN 10273-2: 2013	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 2: Heating seasonal performance factor
TCVN 10273-3: 2013	Air-cooled air conditioners and air-to-air heat pumps - Testing and calculating methods for seasonal performance factors - Part 3: Annual performance factor
The energy (Appliances' energy performance and labelling) regulations, 2016 (Reference in Kenya Gazette Supplement No. 118)	The energy (Appliances' energy performance and labelling) regulations, 2016 (Reference in Kenya Gazette Supplement No. 118)
TR ENG 148 (First amendment)	General Technical Requirements for the imported products (Household Air Conditioner)
TR ENG 148 (Second amendment: 2021)	General Technical Requirements for the imported products (Household Air Conditioner)
TR ENG 148: 2016	General Technical Requirements for the imported products (Household Air Conditioner)
UAE.S 5010-1: 2014	Labelling - Energy efficiency label for electrical appliances Part 1: household air conditioners

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UAE.S 5010-1: 2016	Labelling - Energy efficiency label for electrical appliances Part 1: household air conditioners
UAE.S 5010-1: 2019	Labelling - Energy efficiency label for electrical appliances Part 1: household air conditioners
UAE.S 5010-3	Labelling - Energy Efficiency Label for Electrical Appliances Part 3: Household Refrigerating Appliances
UAE.S 5010-5: 2014	Labelling - Energy efficiency label for electrical appliances - Part five: commercial and central Air conditioners
UAE.S 5010-5: 2016	Labelling - Energy efficiency label for electrical appliances - Part five: commercial and central Air conditioners
UAE.S 5010-5: 2019	Labelling - Energy efficiency label for electrical appliances - Part five: commercial and central Air conditioners
UAE.S GSO IEC 62552-1	Household Refrigerating Appliances - Characteristics And Test Methods - Part 1: General Requirements
UAE.S GSO IEC 62552-2	Household Refrigerating Appliances - Characteristics And Test Methods - Part 2: Performance Requirements
UAE.S GSO IEC 62552-3	Household Refrigerating Appliances - Characteristics And Test Methods - Part 3: Energy Consumption And Volume
UAE.S ISO 5151: 2011	Non-ducted air conditioners and heat pumps - Testing and rating for performance
UNE EN 14511-1: 2019	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
UNE EN 14511-2: 2019	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions
UNE EN 14511-3: 2019	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods
UNE EN 14511-4: 2019	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements
UNE EN 14825: 2019	Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling - Testing and rating at part load conditions and calculation of seasonal performance
Electrical Safety	
AS/NZS 60335.1	Household and similar electrical appliances - Safety - Part 1: General requirements
AS/NZS 60335.2.7	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
AS/NZS 60335.2.11	Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers
AS/NZS 60335.2.24	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers
AS/NZS 60335.2.40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

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AS/NZS 60335.2.41	Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps
AS/NZS 60335.2.89	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances and icemakers with an incorporated or remote refrigerant unit or motor-compressor
BS EN 60335-1	Household and similar electrical appliances - Safety - Part 1: General requirements
BS EN 60335-2-15	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids
BS EN IEC 60335-2-89	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances and icemakers with an incorporated or remote refrigerant unit or motor-compressor
EN 50088	Safety of Electric Toys
EN 60335-1	Household and similar electrical appliances - Safety - Part 1: General requirements
EN 60335-2-2	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances
EN 60335-2-3	Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
EN 60335-2-4	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
EN 60335-2-7	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
EN 60335-2-11	Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers
EN 60335-2-13	Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
EN 60335-2-14	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines
EN 60335-2-15	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids
EN 60335-2-23	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care
EN 60335-2-24	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers
EN 60335-2-29	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers
EN 60335-2-34	Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors
EN 60335-2-35	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters
EN 60335-2-40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
EN 60335-2-41	Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps
EN 60335-2-52	Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances
EN 60335-2-80	Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

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EN 60335-2-89	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances and icemakers with an incorporated or remote refrigerant unit or motor-compressor
EN 60529	Degrees of protection provided by enclosures (IP Code)
EN 62115	Electric toys - Safety
IEC 60065	Audio, video and similar electronic apparatus - Safety requirements
IEC 60335-1	Household and similar electrical appliances - Safety - Part 1: General requirements
IEC 60335-2-2	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances
IEC 60335-2-3	Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
IEC 60335-2-4	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
IEC 60335-2-6	Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
IEC 60335-2-7	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
IEC 60335-2-8	Household and similar electrical appliances - Safety - Part 2-8: Particular requirements for shavers, hair clippers and similar appliances
IEC 60335-2-9	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances
IEC 60335-2-11	Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers
IEC 60335-2-13	Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
IEC 60335-2-14	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines
IEC 60335-2-15	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids
IEC 60335-2-21	Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters
IEC 60335-2-23	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care
IEC 60335-2-24	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers
IEC 60335-2-25	Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens
IEC 60335-2-29	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers
IEC 60335-2-32	Household and similar electrical appliances - Safety - Part 2-32: Particular requirements for massage appliances
IEC 60335-2-34	Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors
IEC 60335-2-35	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters
IEC 60335-2-40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers



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IEC 60335-2-41	Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps
IEC 60335-2-52	Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances
IEC 60335-2-59	Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
IEC 60335-2-65	Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances
IEC 60335-2-75	Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines
IEC 60335-2-79	Household and similar electrical appliances - Safety - Part 2-79: Particular requirements for high pressure cleaners and steam cleaners
IEC 60335-2-80	Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans
IEC 60335-2-89	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances and icemakers with an incorporated or remote refrigerant unit or motor-compressor
IEC 60335-2-98	Household and similar electrical appliances - Safety - Part 2-98: Particular requirements for humidifiers
IEC 60529	Degrees of protection provided by enclosures (IP Code)
IEC 60598-1	Luminaires - Part 1: General requirements and tests
IEC 60598-2-1	Luminaires - Part 2-1: Particular requirements - Fixed general-purpose luminaires
IEC 60598-2-4	Luminaires - Part 2-4: Particular requirements - Portable general-purpose luminaires
IEC 60950-1	Information technology equipment - Safety - Part 1: General requirements
IEC 61195	Double-capped fluorescent lamps - Safety specifications
IEC 61199	Single-capped fluorescent lamps - Safety specifications
IEC 62115	Electric toys - Safety
IEC 62301	Household electrical appliances - Measurement of standby power
IEC 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC 62368-3	Audio/video, information and communication technology equipment - Part 3: Safety aspects for DC power transfer through communication cables and ports
IEC 62560	Self-ballasted LED-lamps for general lighting services by voltage >50 V - Safety specifications
IEC 62776	Double-capped LED lamps designed to retrofit linear fluorescent lamps - Safety specifications
NMX-J-521/2-40-ANCE	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
NMX-J-521-1-ANCE	Household and similar electrical appliances - Safety - Part 1: General requirements
PNS IEC 60335-1	Household and similar electrical appliances - Safety - Part 1: General requirements
PNS IEC 60335-2-4	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
PNS IEC 60335-2-7	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines



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PNS IEC 60335-2-24	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers
PNS IEC 60335-2-40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
SASO IEC 60335-2-40: 2010	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
SNI IEC 60335-2-40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
SS 146 Part 1	Household and similar electrical appliances - Safety - Part 1: General requirements
SS 146 Part 2-5	Specification for household and similar electrical appliances – Safety – Part 2 : 5 : Particular requirements for instantaneous water heaters
SS 655	Safety of household and similar electrical appliances - Particular requirements for fans
TCVN 5699-1	Household and similar electrical appliances - Safety - Part 1: General requirements
TCVN 5699-2-40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
Electromagnetic Compatibility (EMC)	
AS CISPR 14.1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
AS/NZS CISPR 14.1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
BS EN 55014-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
BS EN 55014-2	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
BS EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
BS EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
BS EN 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
BS EN 61000-3-11	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection
BS EN 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
BS EN 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
BS EN 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
BS EN 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields

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BS EN 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
BS EN 62233	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure
BS EN IEC 55014-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
BS EN IEC 55014-2	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
BS EN IEC 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
BS EN IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
BS EN IEC 61000-3-11	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection
BS EN IEC 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
CISPR 14-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
CISPR 14-2	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
CISPR 15	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 55014-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
EN 55014-2	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN 61000-3-11	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection
EN 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
EN 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
EN 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test

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EN 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
EN 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
EN 62233	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure
EN IEC 55014-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
EN IEC 55014-2	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
EN IEC 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN IEC 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN IEC 61000-3-11	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection
EN IEC 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
IEC 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
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IEC 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
IEC 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
IEC 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
IEC 62233	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

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SANS 214-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
SANS 214-2	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
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SANS 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
SANS 61000-3-11	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection
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SANS 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
SANS 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase



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TCVN 7492-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
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