

Safety Test of Household and similar electrical appliance



สถาบันไฟฟ้าและอิเล็กทรอนิกส์
ELECTRICAL AND ELECTRONICS INSTITUTE

Testing and Inspection Services

- Marking and instruction
- Power input and current
- Protection against access to live part
- Heating
- Leakage current
- Electric strength
- Transient overvoltage
- Moisture resistance
- Overload protection of transformer and associated circuits
- Endurance
- Abnormal operation
- Stability and mechanical hazards
- Mechanical strength
- Construction
- Internal wiring
- Components
- Supply connection and flexible cords
- Terminals for external conductors
- Provision for earthing
- Screw and connection
- Clearances , creepage distance and solid insulation
- Resistance to heat and fire



Running overload test of motor-compressor
(Annex AA IEC 60335-2-34)



Temperature & Humidity chamber
for Air-conditioner (IEC 60335-2-40)
Maximum load : 48000 Btu / hr

Products Covered and Standards

● Washing machine	TIS.1463-2540	(IEC 60335-2-7)
● Tumbler dryer	TIS.1389-2539	(IEC 60335-2-11)
● Electric Iron	TIS.366-2547	(IEC 60335-2-3)
● Microwave oven	TIS.1773-2548	(IEC 60335-2-25)
● Electric thermo pot	TIS.2062-2543	(IEC 60335-2-15)
● Rice cooker	TIS.1039-2547	(IEC 60335-2-15)
● Instantaneous water heater	TIS.1693-2547	(IEC 60335-2-35)
● kitchen machines	TIS.1545-2550	(IEC 60335-2-14)
● Deep fat fryer, ,frying pan	TIS.1509-2547	(IEC 60335-2-13)
● Air-conditioner	TIS.1529-2541	(IEC 60335-2-40)
● Air-cleaner	TIS.1516-2549	(IEC 60335-2-65)
● Refrigerator	TIS.2214-2548	(IEC 60335-2-24)
● Electric fan	TIS.934-2533	(IEC 60335-2-80)
● Motor-compressor	TIS 812-2548	(IEC 60335-2-34)
● Shavers, hair clippers and similar appliances	TIS 1555-2550	(IEC 60335-2-8)
● Appliances for skin or hair care	TIS 1985-2549	(IEC 60335-2-23)
● Commercial dispensing appliances and vending machines	TIS 1878-2550	(IES 60335-2-75)



Hot winding resistance



Leakage current meter

For more information, please send your queries or contact us at the following:

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