

IS 1391 (Part 2):1992
Reaffirmed 2013

Split Room Air Conditioners

Scope

This standard prescribes the constructional and performance requirements of split air conditioners, the test conditions and the corresponding test procedures.

The air conditioners are classified based on their functions, the type of units (indoor and outdoor) and mounting, as follows:

Function type

1. Cooling and Dehumidification
2. Cooling and Heating by Heat Pump
3. Cooling and Heating by Electric Heater

Unit Type

1. Single Split having Single Indoor and Outdoor Unit
2. Multi Split having, Multiple Indoor and single Outdoor Unit

Mounting type

1. Floor Type
2. Ceiling Type
3. Wall Type

The standard specifies requirements for construction w.r.t strength, rigidity, handling, transport and usage of the air conditioners. The standard also specifies requirements for material, finish and corrosion.

The standard specifies precautions for installation & use and performance requirements, which include

1. Variations Allowed in Performance Test
2. Safety
3. Power Factor Test
4. Maximum Operating Conditions Test
5. Freeze-Up Tests
6. Enclosure Sweat Test
7. Condensate Disposal Test
8. Power Consumption Test for Cooling
9. Power Consumption Test for Heating by Heat Pump
10. Capacity Rating Test
11. Noise Test
12. Heat Pump Heating Capacity Test