

IS 1391 (Part 1):1992
Reaffirmed 2013

Room Air Conditioners (window)

Scope:

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

The air conditioners are classified based on their functions as follows:

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

The standard specifies requirements for construction w.r.t strength, rigidity, handling, transport and usage of 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 HeatPump
10. Capacity Rating Test
11. Noise Test
12. Heat Pump Heating Capacity Test