

FORMAT FOR SYNOPSIS OF INDIAN STANDARDS

Number and Title of the Indian Standard: **IS 1391(Pt 2) 'Room Air Conditioners — Specification Part 2 Split Air Conditioners (Third Revision)'**

a) Scope: 1.1 This standard prescribes the constructional and performance requirements of non-ducted split air conditioners up to an including capacity of 10500 W, up to an including rated voltage of 240 V for single phase and 415 V for three phase and rated frequency of 50 Hz..

1.2 This standard also prescribes the test conditions and the corresponding test procedures for determining various performance characteristics of split air conditioners which operate non frosting when cooling and dehumidifying at standard rating conditions.

1.3 This standard specifies split air conditioners which may also serve as heaters by heat pump/electric heater application.

1.4 This standard is not applicable to the following:

- a) water-source heat pumps or water cooled air conditioners and
- b) equipment using the absorption refrigeration cycle.

b) Salient features of content: This standard includes terminology, classification, construction, rating requirements, test conditions, performance requirements of split air conditioner.

c) Types/grades/classes, if any covered in the standard:

According to function and rated cooling capacity, split air conditioners shall be classified as follows :

1. Classification by Function

- a) Cooling and Dehumidification
- b) Cooling and Heating by Heat Pump
- c) Cooling and Heating by Electric Heater

2. Unit type

- a) Single Split having Single indoor and outdoor unit
- b) Multi Split having Multiple Indoor and Single outdoor Unit

3. Unit Mounting Arrangement

- a) Floor Type
- b) Ceiling Type
- c) Wall Type

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