

## FORMAT FOR SYNOPSIS OF INDIAN STANDARDS

**1) Number and Title of the Indian Standard:** IS 1391(Pt 'Room Air Conditioners — Specification Part 1 Unitary Air Conditioners (Third Revision)

**a) Scope:** This standard prescribes the constructional and performance requirements of non ducted unitary air conditioners up to and including capacity of 10500 W, up to and including rated voltage of 240 V 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 unitary air conditioners which operate non frosting when cooling and dehumidifying at standard rating conditions.

**1.3** This standard specifies unitary 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 prescribes the constructional and performance requirements of non ducted unitary air conditioners up to and including capacity of 10500 W, up to and including rated voltage of 240 V and rated frequency of 50 Hz.

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

**standard: CLASSIFICATION**

According to function and rated cooling capacity, unitary 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.** Recommended classification of the unitary air conditioners of rated cooling capacities are as under in W:

1700, 2600, 3500, 4400, 5200, 7000, 8700 and 10 500.

**d) Disclaimer (to be automatically provided by the program/software)**