

Ceiling Fans

Scope

This standard specifies the requirements and methods for tests of capacitor type ac single-phase ceiling fans as well as dc ceiling fans including the associated speed regulators. The standard also specifies design and general construction of fan. Ceiling fans of sizes: 900mm, 1050 mm, 1200 mm, 1400 mm and 1500 mm are covered in the standard.

Requirements

The standard specifies requirements of general as well as safety aspects of ceiling fans like protection against electric shock, temperature-rise, mechanical strength, finish, insulating materials, speed regulators, starting, interchangeability, silent operation.

The other performance tests include

- Air delivery,
- Temperature-rise,
- Leakage current,
- High voltage,
- Insulation resistance,
- Fan speed and input,
- Earthing connections,
- Protection against electric shock (for regulators),
- Moisture resistance (for regulators only),
- Mechanical strength (for regulators only),
- Suspension system,
- Creepage distances and clearances and
- Mechanical endurance (for regulators only)
- Insulation resistance