



IS 555:1979 Electric Table type fans and Regulators

Electric table fans are small, portable type of fan that uses **electricity** to **circulate air** and provide **cooling** in a room. They are often used in homes, at work, or in other indoor settings. uses a motor and 3 to 4 blades placed at an angle that pushes the air forward while it rotates. The electric motor inside the fan's base spins the blades. As the blades rotate, they pull the air in from the environment from the back side of the fan and blow it out to your room from the front side. **Regulators** are the devices used to **control** the **speed** of the fan.

A consumer while purchasing this product expects it to have **good air circulation** for **proper coverage, durability** so as to have good life cycle and shall have **minimum damage** while **handling**, it should also be **energy efficient** or should **have low energy consumption**, so as to be **pocket friendly** to the user. Also, the regulator should be provided, so as to ensure **constant and balanced airflow** to the user.

The Indian Standard, **IS 555:1979**, specifies the **general & safety requirements** as well as the method of tests for **capacitor** type and **non-capacitor** type **ac table fans and dc table type** fans, including the **associated speed regulators**. The standard ensures the **safety** of its user through tests like **Leakage current test, insulation resistance test, earthing connection, High voltage test and protection against electric shock test**. It also determines the **robustness and durability** of this product with tests like **Moisture resistance test and mechanical endurance test**. Various other tests are also carried out to assess its performance like **fan speed & input test and air delivery test**.

In summary, **IS 555** is your assurance that the Electric type fans and regulators, complying to the Indian standard are **reliable and safe to use**. So, next time you purchase this device, look for the BIS mark to ensure they meet these standards, giving you an **optimal** user **experience**.