



Super X1

Manufactured by : Versa Drives Private Limited
Designed by : K. Durgasharan

Super X1, a model of Superfan, is a super-efficient ceiling fan that uses brush-less DC motor and digital drive electronics to consume 35W at 230CMM airflow. The motor, electronics and blades are innovatively designed to be cost effective, durable and sensitive to the comfort of Indian consumers. It features a remote control.

A 24VDC BLDC has been used to reduce cost of electronics and for use with solar electricity. The switched mode power supply is integrated with active power factor correction, for harmonic reduction and wide voltage operation (130 to 300 Vac). Critical component such as semiconductors and bearings have been carefully chosen to achieve a MTBF of 65,000 hours. The microcomputer monitors and shuts down the motor when under/over voltage or over load occurs. A ring formed with arc segments instead of machining a ring and ceramic magnets have been used to reduce costs. Its aerodynamic nature has been inspired from a flower like blade design – low weight and high airflow. A compact remote for speed control that doesn't break when dropped or thrown has also been provided. The indicator in the middle of the fan responds by flashing, when operated by the user.

Super X1 is packed in recyclable cardboard with minimum printing and eliminating the use of polythene bags and thermocol. The VOC free powder coating of aluminum body and blades results in increased durability.

