

Wheel Technology

Non-overloading centrifugal backward inclined wheel of high efficiency and minimal sound, Wheel balanced to grade G2.5 per AMCA 204, Wheel cones carefully matched to the inlet cone for reduced turbulence.

General Features

Integrally formed motor and wheel, no quick wear parts and maintenance-free design, All-aluminium construction for light weight and high strength, Attractive appearance that complements any building, contaminated air discharged directly upward away from the roof surface.

Technical Information

1. Quality Standards

The fan has designed according to AMCA design procedure. The products are produced within very control procedure following ISO 9001, ISO14001 and ISO 45001.

2. Fan Type

Fan shall be rooftop /side wall centrifugal exhaust type and the drive type shall be direct drive. The fan wheel shall be centrifugal backward inclined, constructed of aluminium and shall include a wheel cone carefully matched to the inlet cone for precise running tolerances. Wheels shall be statically and dynamically balanced to grade G2.5 per AMCA 204.

3. Fan Housing

The fan housing shall be constructed of heavy gauge aluminum with a rigid internal support structure. Wind bands shall have a rolled bead for added strength. They shall be rigid enough to withstand wind load and prevent water leakages in rainstorms or in snow melting. Silvery-white housing shall be provided as standard while epoxy coated housing of colour RAL 9006 can be optional.

4. Motor

External rotor motors shall be mounted on the wheel boss and include permanently sealed self-lubricating ball bearings. Motors provide self-resettable thermal overload protector of continuous duty and the service factor shall be such as to ensure continuous operation at the maximum load.

5. Internal conduit

RUC - ROOFTOP CENTRIFUGAL FAN / EXTERNAL ROTOR MOTOR

There shall be a conduit inside the fan to lead the power supply line to the motor through the curb.

6. Bird screen

Firm galvanized grille shall be used. When the fan stops running, the bird screen helps prevent birds entering through the outlet.

7. Curb cap with mounting holes

The curb cap shall have mounting holes on the sides so that the fan can be fastened.