YFILC - INILINE CABINET FAN (SWSI)

INFINAIR™
INFINAIR ARABIA CO. LTD.

Ratings and Applications

Airflow Range	200～7,000 m³/h (118～4,118 CFM)
Static Pressure Range	50～500 Pa (0.2～2 in.WG.)
Drive Types	Direct
Mounting Types	Ceiling hung / Duct mounted
Applications	Supply / exhaust (Buildings/ Hospitals/ Hotels/ Large supermarkets …)

Wheel Technology

Non-overloading centrifugal forward curved wheel of high efficiency and minimal sound, Wheel balanced to grade G2.5 per AMCA 204, Blade-shaped design to increase the static pressure changes in wind output stability.

General Features

1. Low Noise

- Lots of forward curved impellers structure: Suction air in constant speed, decrease the noise substantially, artistic and light.
- New design of airflow channel: Suppress the side noise generated by installation effectively.

2. Convenient and Functional

- Compact structure: New cabinet design in smaller volume, it is easier to installation and saving space.
- Multiple adjustment options: Equipped with three gear variable-speed control, user may choose different volume to meeting the requirements.
- Equipped with three gear variable-speed control to meet different volume requirements of user.
- New cabinet, compact structure, artistic and light.

3. Safe and Reliable

- Overheating protection: All motor equipped with over-temperature protection device ensure running safety and reliable.
- High static pressure.
- Application range: building, hospital, hotel, shop, underground parking and supermarket etc. Max Volume is 7,000m3/h; Max Static pressure is 500Pa.Seven model selection totally.

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

Fan housing shall be constructed of heavy gauge galvanized steel (option: epoxy powder coated) with a rigid internal support structure. The thickness of the panel shall be adequate to support the weight of drive and motor. The housing shall have optional discharge direction.

4. Motor

The motor type of in-line cabinet fan shall be used inner rotor. Motor shall include permanently sealed self-lubricating ball bearings. Motor shall be equipped with automatic reset thermal overload protection. Motor shall be acceptable for continuous duty. Safety service factor shall be provided to ensure long maintenance free operation over maximum load conditions.