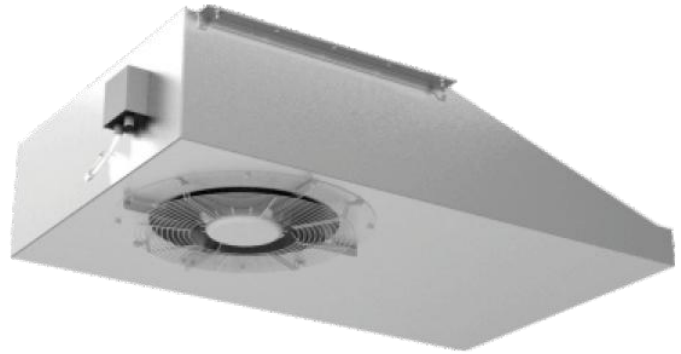


## Ratings and Applications

Airflow Range	10,500 m³/h (6,176 CFM)
Throw Distance	25 - 84 m
Drive Types	Direct Drive / Double Speed
Mounting Types	Ceiling hung / Ceiling-mounted
Applications	1. General ventilation 2. Smoke removal system



## Wheel Technology

The wheel shall be centrifugal backward curved steel one and all welded. The wheel should be subject to static and dynamic balancing tests up to AMCA 204--G4.0 quality grade. Stable airstreams and low sound level shall be ensured when the wheel is running at the highest speed. When the operating point moves up or down, a decline in fan performance shall be avoided. The fan structure shall be designed so that the motor can be easy to be taken out for maintenance and cleaning.

## Product Features

### 1. Structure

- Compact structural design and low height of the fan body making it especially suitable for underground car parks with low head room.
- Fan housing made in quality cold-roll steel sheets finished with electrostatic epoxy coatings

### 2. Application

Dual purposes: Used for general ventilation and for smoke extraction, Positive inducing fans can effectively dilute harmful gases and smoke in car parks, keeping air well ventilated and improving the environment. At the same time, Model YFPIJ fans can be used for emergency smoke extraction.

### 3. Safety

Air inlet mounted with safety guard to ensure safe working conditions.

## Technical Information

INFINAIR

## 1. Quality Standards

The fan has designed according to AMCA design procedure, the fan is certified in according with TUV EN 12101-3 standard for smoke application. The products are produced within very control procedure following ISO 9001, ISO14001 and ISO 45001.

## 2. Fan Type

The fan shall be in a flat structure and direct driven with a centrifugal backward curved steel wheel. The motor is located inside the inlet. The fan requires much lower head room of car parks, thus reducing the engineering cost. There shall be a steel safety guard at the inlet.

## 3. Fan Housing

The fan housing shall be in a flat structure and made in cold-roll steel sheets finished with electrostatic epoxy coatings. It shall be thick and strong enough to withstand the dynamic load generated.

## 4. Inlet

The inlet shall be designed based on aerodynamic characteristics with a smooth streamline surface to reduce turbulence so that fan efficiency can be improved and sound lowered.

## 5. Motor

The motor shall match the fan load well and shall be (IP55,IP56,...etc) rated with Class F or H insulation as per application and design. Lubrication-free ball bearings shall be used.

## 6. Nameplate

A permanently fixed aluminium nameplate shall clearly display the fan number, product model and serial number (a unique ID for each fan) so that the parts used can be traceable by customers.