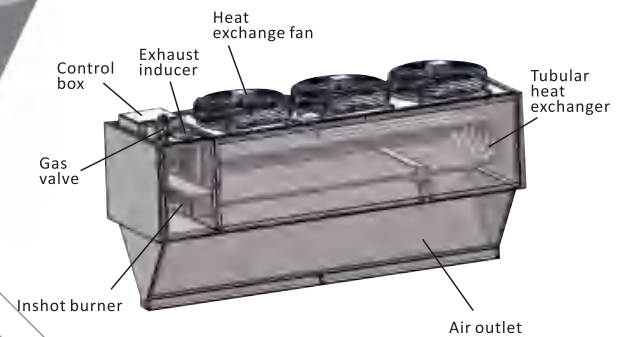


## IFM Gas Air Curtain Series



### HOW IT WORKS

An indirect-fired air curtain operates similarly to a indirect-fired space heater. A controlled high-speed airflow is directed to be expelled along the entire length and width of the air curtain opening, creating an air curtain. This helps reduce the penetration or transfer of air from one side of the opening to the other while inhibiting the passage of flying insects, dust, or debris.

### Features

- Three standard models: 35/44/66kW
- Powerful axial fan provides high-speed airflow and long-distance coverage
- Safety protection features include flameout protection, fan failure, and insufficient fan wind force
- Ensure clean and safe indoor environment while preventing temperature loss.
- Available for horizontal or side-mounted installation
- Can be interlocked with the opening and closing of doors

## Advantages/Benefits

- While protecting the indoor climate environment and enhancing people's comfort, heating and cooling costs can be reduced by up to 80%.
- Maintains indoor cleanliness, keeping away pests, insects, dust, airborne particles, pollution, odors, and prevents the entry of airflow, cold air, or hot air.
- Eliminates the need for frequent opening and closing of large doors, improving production and transportation efficiency.
- No need for physical door curtains during operation, enhancing safety.

## Applications

- Factories and manufacturing workshops
- Distribution centers
- Warehouses
- Automotive repair shops
- Supermarkets
- Industrial drying tunnels

## Installations

The correct installation should ensure that the "air curtain" of the air curtain machine can cover the entire door opening. The dimensions of the air curtain machine should match the door opening size, and the distance from the air outlet to the door frame edge should not exceed 30cm.

## Technical Parameter

Model	IFM-35	IFM-44	IFM-55	IFM-66
Input rate	35kW	44kW	55kW	66kW
Output rate	31.5kW	39.6kW	50kW	60kW
Thermal efficiency	90%	90%	91%	91%
Gas consumption	3.38m³/h	4.25m³/h	5.31m³/h	6.38m³/h
Gas supply pressure	2-5kPa			
Gas connection	R1/2		R3/4	
Fan qty.	2xφ450	3xφ400	2xφ550	3xφ600
Fan speed	1350rpm/min			
Air flow	6,500 m³/h	9,000 m³/h	12,000 m³/h	14,000 m³/h
Temperature rise	13.5℃	12.5℃	12.5℃	13℃
Air speed at nozzle	13.5m/s	14m/s	14.5m/s	14.5m/s
Power supply	220V,50Hz		380V,50Hz	
Electric consumption	650W	965W	1600W	1950W
Max. current	4.5A	6.5A	4.5A	5A
Flue outlet	φ100mm	φ100mm	φ130mm	φ130mm
Combustion air inlet	φ100mm	φ100mm	φ130mm	φ130mm
Equipment dimensions	1,690x605x1,018mm	1,995x605x1,018mm	1,690x870x1,080mm	1,995x870x1,080mm
Equipment weight	138kg	178kg	235kg	283kg