

Air-Row Indoor Air Quality

IAQ Technology in Our Fans



Now, improve your air quality with ease!
Air-Row offers a powerful ionization option –
– For Open Ceilings (with our F-18)
– For Grid Ceilings (with our LA-248 Lay-In)
Certified and tested for improved air quality!

Indoor air could be 10-100 times more harmful than the worst outdoor air. In fact, 96% of buildings surveyed recently by the EPA had indoor air quality issues. Of these, 86% had high levels of dust, pollen, viruses and other pollutants. The air in 71% had potentially harmful chemicals and gases.

Air-Row Fan products use a state-of-the-art ionizer mounted inside our fans to clean and filter trapped air at the ceiling of buildings.

Ionization is widely accepted as the key method to safely and naturally clean air and kill germs. In the ionization process, millions of ions are formed as air passes over the ionization tubes.

Ionization brings cleaner air, improves general health and well-being, and increases alertness and concentration.

Our fans, with the ionizer option, work to –
– Eliminate bacteria particles
– Sterilize air and stop mold growth
– Kill pollutants and neutralize odors
– Break down VOCs (from carpet, upholstery and building products)

Key Features –










- Intertek® Tested and Verified Zero Ozone
- UL Certified 2998 Tested < than 30 ppb.
- Handles up to 2000 CFM
- Efficient 115V Power
- Compact 3.16" X 2.27" X 1.16"

Key applications –

- Offices and Office Buildings
- Hospitals and Medical Facilities
- Health and Fitness Clubs
- Restaurants and Food Services
- Schools and Universities

Pollutants and Pathogens Neutralized --

Tests conducted by EMSL Analytical, a platinum-rated lab used by The Center for Disease Control.

-  **Norovirus -- 93.5%** 30 minutes activation
-  **Human Coronavirus -- 90%** 60 min activation
-  **Legionella -- 99.7%** 30 minutes of activation
-  **Clostridium Difficile -- 86.8%** 30 min activation
-  **Tuberculosis -- 69%** 60 minutes activation
-  **MRSA -- 96.2%** 30 minutes activation
-  **Staph -- 96%** after 15 minutes
-  **E. coli -- 96.2%** 30 minutes activation
-  **Airborne Mold -- 99.5%**, per tests by the Indoor Environment Tests Organization



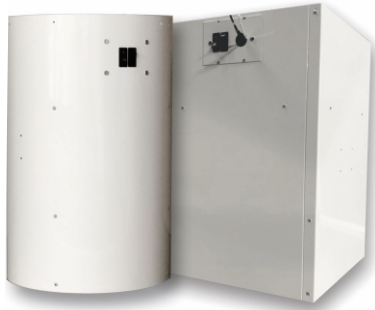
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For Open Ceilings -- F-18 (Round & Square)

For Grid Ceilings -- LA-248 and DA-248



Specifications

Size	Volts	Weight
12"x12"x18"	120V/60CY	8.1 lbs.

Performance

Speed	RPM	CFM	Watts
High	1500	1170	23
Low	1000	919	10

Specifications

Size	Volts	Weight
24"x24"x9"	120V/60CY	12.6 lbs.

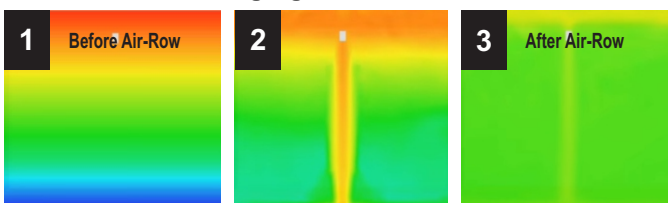
Performance

Speed	RPM	CFM	Watts
High	1550	740	31
Med	1300	621	20
Low	900	430	8

The Science of De-stratification –

The key contributor to energy waste in buildings is stratified air. Stratification happens when warm air is pushed upwards by much denser cold air, which then triggers the heating system. As this cycle continues, layers of hot air are trapped at the ceiling.

Actual Thermal Imaging Before & After Air-Row Fans



This illustrates the impact of our fans on air distribution and energy savings. IMAGE 1 shows the waste in air trapped at the ceiling. In IMAGE 2, our fans are gathering this trapped air and bringing it to the floor. IMAGE 3 shows the results of de-stratification, where temperature has been evened.

Features and Options –

- EC Motor –**
 Air-Row Fan products come standard with an electronically-controlled motor, multi-speed programmable, thermally protected, with an on/off switch.
- Durable Aluminum –**
 Air-Row fans are created of durable metal for long-life and exceptional performance years after installation.
- Speed Control/BAS Interface –**
 Air-Row fans may be grouped in multiple and tied to a controlled, integrated circuit to interface with building management systems.
- Easy Field Serviceability –**
 Air-Row fan products are field serviceable, with easy access for maintenance and repair.