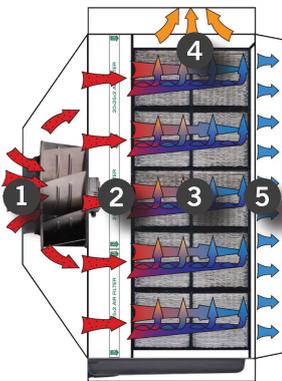


## How does it work?



- 1 Fresh outside air** is drawn in via a fan.
- 2 Filtered air** is cleaned by high efficiency air filters.
- 3 Heat & mass exchange**  
Air enters newly patented HMXs.
- 4 Working air & water**  
50% of air entering is saturated with water & returns to atmosphere carrying heat energy removed from the conditioned air.
- 5 Conditioned air**  
Balance of air that enters HMX is cooled without adding humidity.

## M50C Air Conditioner

### Features and specifications

- Patented heat & mass exchange (HMX) technology
- Super-versatile casing that's stackable side-by-side
- Increases cooling power with ease
- Durable, easy to install & maintain
- Can significantly reduce your energy bills
- Can increase your LEED credits
- Ideal for data centers, health care facilities, retail stores, restaurants & other applications



### Return on investment

- Up to 80% less energy than conventional systems
- Quick investment payback
- Low total cost of ownership

### Sustainable

- No chemical refrigerants
- Improves indoor air quality
- Best alternative for sustainable/LEED projects

### Third-party verified



[seeleyinternational.com](http://seeleyinternational.com)

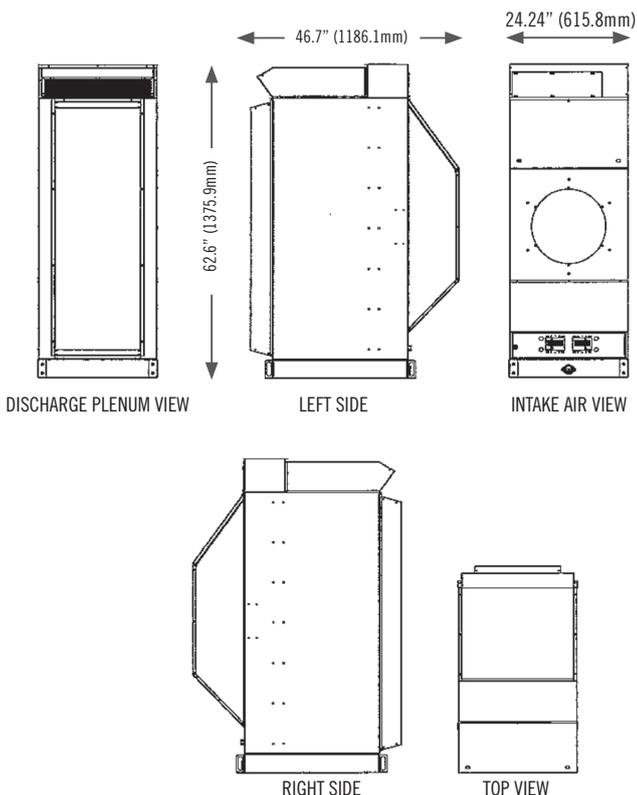
## Conditioned air

- Flow at 637 l/s [2293 m<sup>3</sup>/h] without ducting losses
- Cooling capacity 11.8 kW\*
- COP 18\*
- Cooled to approx. 95 to 120% of intake air's wet bulb temperature without changing moisture content

\*Tested in accordance with ASHRAE 143 conditions of 38.0 °C db / 21.0 °C wb. Stand alone cooling capacity may be lower, depending on application.

## Specifications

- Cooling capacity & efficiency increases as temperature increases
- 100% outdoor, filtered air
- No chemical refrigerants or compressor
- No moisture added to conditioned air
- Low maintenance & water use
- New, patented Maisotsenko thermodynamic cycle
- Easy to install, no assembly needed



## Unique design & performance features

1. ABS plastic drain pan, frame & internal components that directly contact water. Powder coated electrogalvanized steel housing.
2. Front access integrated electrical panel & control system.
3. Tapered intake plenum increases fan efficiency & evens air distribution.
4. No tool air filters access panel - 3 standard size 20" (508mm) x 25" (635mm) x 2" (50.8mm) G4 ring frame air filters.
5. Discharge plenum provided for easy ducting by cutting any size or shape hole into the plenum face.
6. Side panel can be used for ducting exhaust or optional louver.
7. High efficient, variable speed, electronically commutated motorized (ECM) fan.
8. Zero side clearance - modular, multiple unit configurations.

## Options

- A. Thermostat auto-variable motor speed control
- B. Manual-variable motor speed control
- C. Exhaust Louvers
- D. F7 industrial-grade air filters
- E. Freeze protection kit



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**We provide full technical support to ensure optimal design for each application.**

