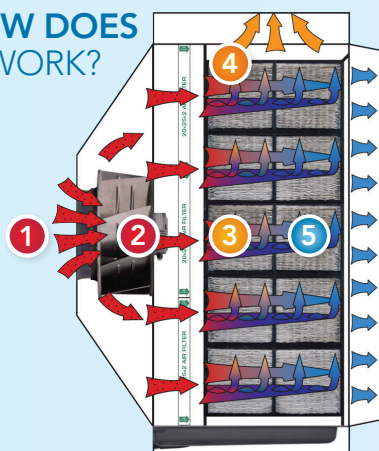


MODULAR AND MIGHTY

Meet our popular M50. This cooling dynamo delivers our patented heat and mass exchange (HMX) technology in a super-versatile casing that's stackable side-by-side, so it's easy to increase your cooling power. It's durable, easy to install and maintain, and can help significantly reduce your energy bill—and increase your LEED credits—for a quick return on your investment. It's ideal for data centers, health care facilities, retail stores, restaurants and more.



HOW DOES IT WORK?



- 1 FRESH AIR** Outside air is drawn into the air conditioner by a fan.
- 2 FILTERED** The air is then cleaned by a set of high efficiency air filters.
- 3 HEAT AND MASS EXCHANGE** The air enters an array of HMXs that use a new patented technology.
- 4 WORKING AIR AND WATER** About half of the air that enters the HMX is saturated with water and returns to the atmosphere, carrying heat energy removed from the conditioned air.
- 5 CONDITIONED AIR** The other half of the air that enters the HMX is cooled without adding humidity.

WHY COOLERADO?



Quick Payback Low Total Cost of Ownership

Coolerado Air Conditioners use up to 90% less energy than conventional systems, providing a quick investment payback and low total cost of ownership.



Sustainable Solution

90% less energy, no chemical refrigerants, improves indoor air quality—best cooling alternative for your sustainable efforts and LEED projects.



Third-Party Verified



CONDITIONED AIR

Conditioned air flow at 1,350 CFm [635 L/s] without ducting losses. Intake airflow at 2,349 CFm [1105 L/s], and working airflow at 999 CFm [470 L/s]. Conditioned air is cooled to approximately 95 to 120% of intake air's wet bulb temperature without changing moisture content.



M50 FEATURES AND SPECIFICATIONS

- EER 100+ (Energy Efficiency Ratio), COP 29.3+ (Coefficient of Performance).
- Cooling capacity and efficiency increases as temperature increases.
- 100% outdoor, filtered air.
- No chemical refrigerants.
- No compressor.
- Low maintenance.
- Low water use.
- No moisture added to conditioned air.
- New, patented thermodynamic cycle, the Maisotsenko Cycle.
- 3-Year limited warranty.
- Easy to install, no assembly needed.



- 1 ABS plastic drain pan, frame and internal components that directly contact water. Powder coated electrogalvanized steel housing.
- 2 Front access integrated electrical panel and control system.
- 3 Tapered intake plenum increases fan efficiency and evens air distribution.
- 4 No tool air filters access panel - 3 standard size 20" (508mm) x 25" (635mm) x 2" (50.8mm) MERV 8 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 motorspeed control
- C Exhaust Louvers

- D MERV 13 industrial-grade air filters
- E Freeze protection kit

