

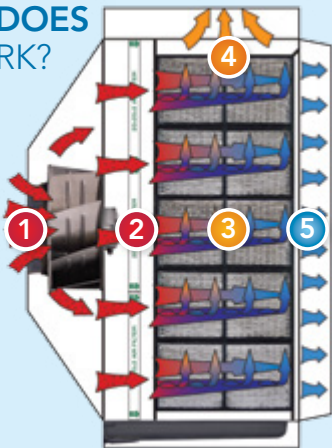


MODULAR AND MIGHTY

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.

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.



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



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.



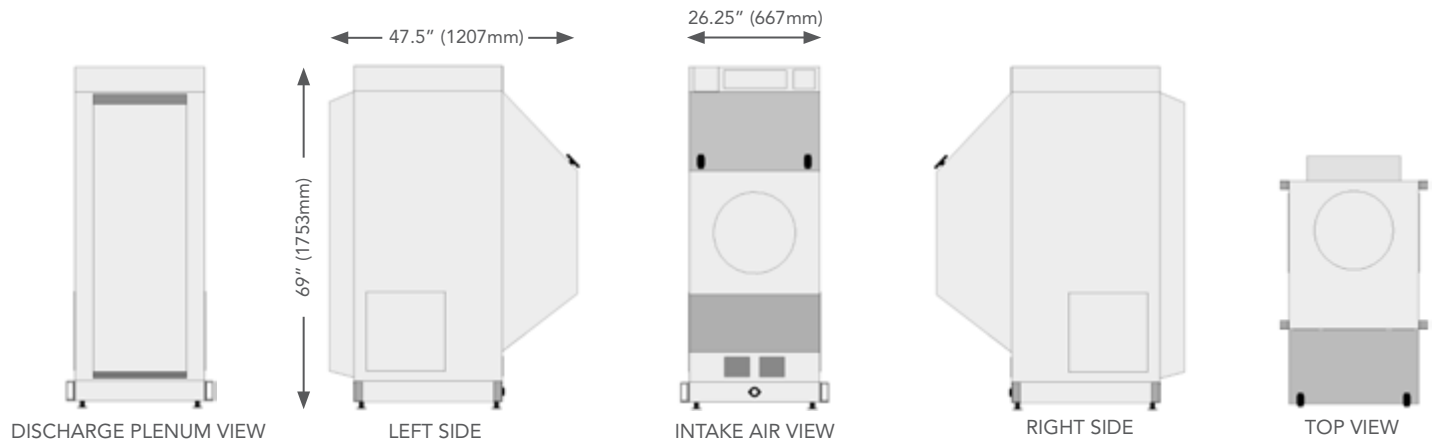
- 1 ABS plastic drain pan, frame and internal components that directly contact water. Powder coated electrogalvanized steel housing.
- 2 Front access integrated electrical panel and control system.
- 3 Tapered intake plenum increases fan efficiency and evens air distribution.
- 4 No tool air filters 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



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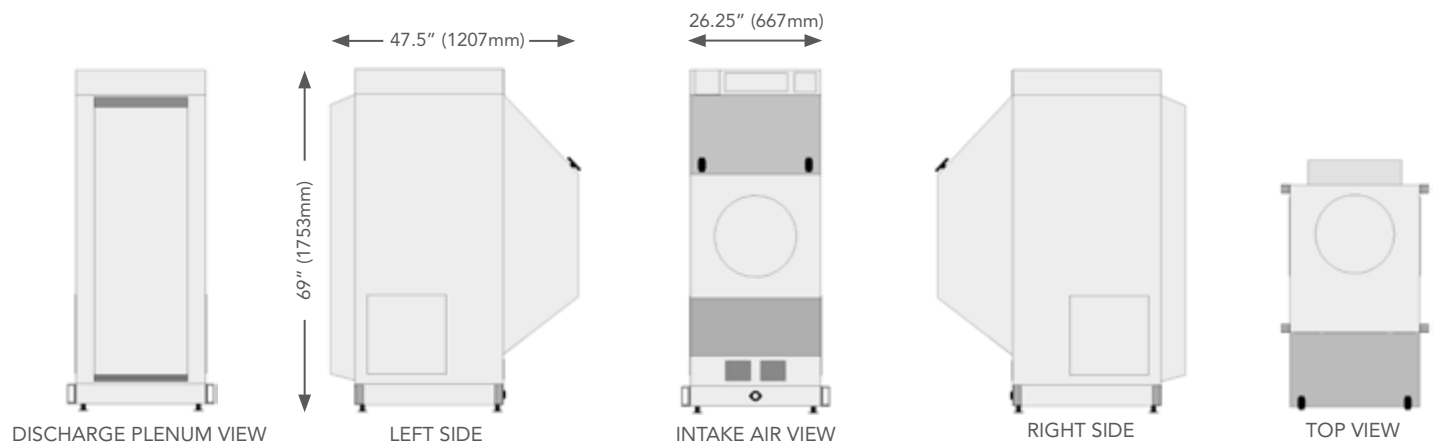


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