

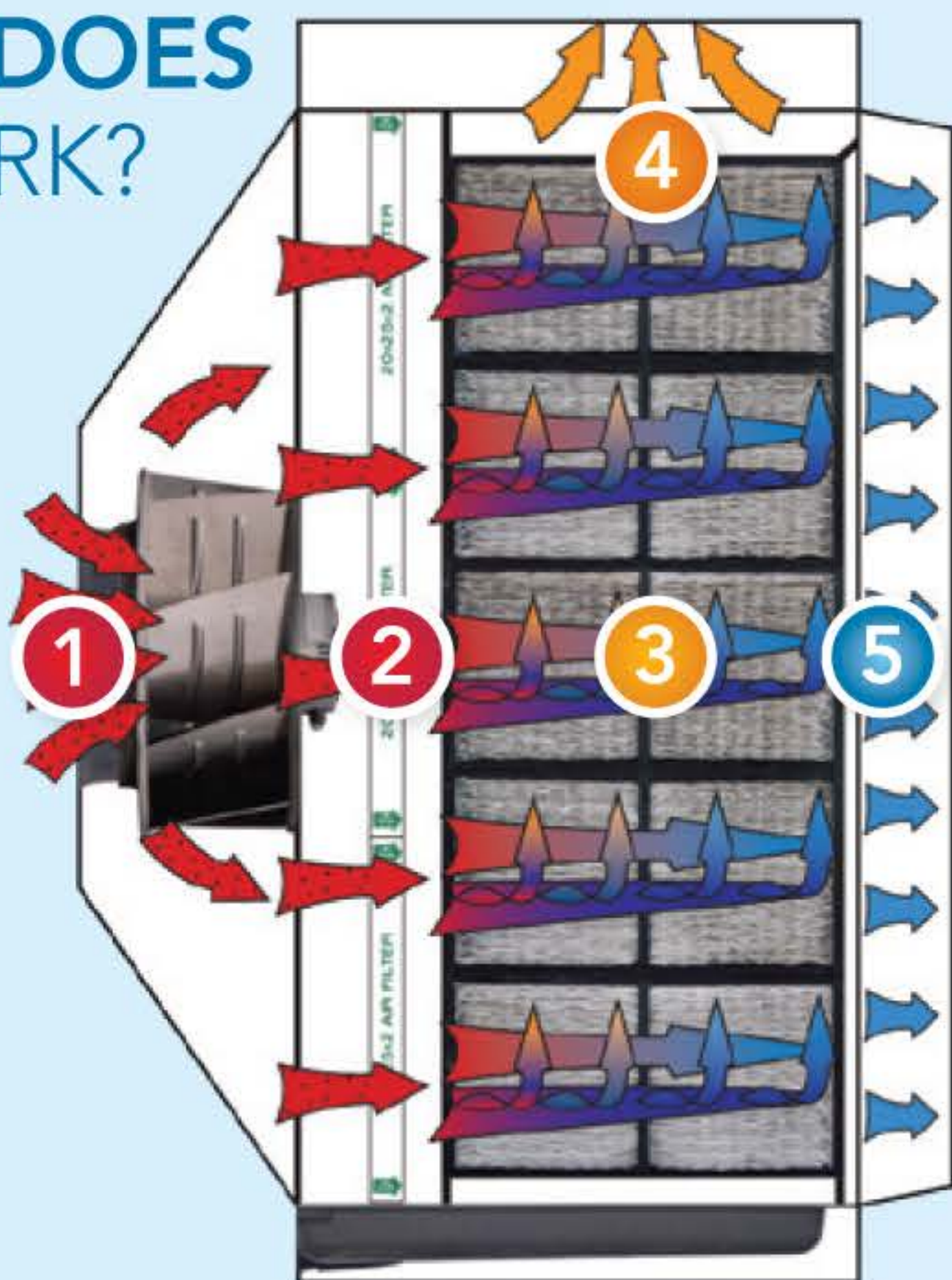


MODULAR AND MIGHTY

Meet the big brother of our M30. Our M50 brings you five tons of cooling power for rooms up to 2,500 square feet. Its modular design makes it super versatile—and stackable side by side to increase your cooling power when needed. This cooling dynamo can dramatically reduce your energy bill (and carbon footprint) for a quick return on your investment.



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 an array of air filters.
- 3 HEAT AND MASS EXCHANGE (HMX)** 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.

COOLERADO IS GREEN³

Green for your pocketbook



Coolerado Air Conditioners use up to 90% less energy than conventional systems, saving you a lot of green on your energy bill.

Green for the planet



Coolerado Air Conditioners are an environmentally responsible choice, because 90% less energy means 90% less carbon emissions.

Green for you



Coolerado Air Conditioners provide 100% fresh, filtered air, dramatically improving indoor air quality while removing dust, pollens and allergens.

DOE | U.S. Department of Energy verified Coolerado has an energy efficiency ratio (EER) of 40+.

CEC | California Energy Commission listed Coolerado as an energy efficient appliance.

PG&E | Pacific Gas & Electric's evaluation concluded that Coolerado qualified for the highest rebate tier.

SMUD | Sacramento Municipal Utility District customer advanced technologies program participant since 2004.

M50 FEATURES AND SPECIFICATIONS

5 year limited warranty. EER 40+ (Energy Efficiency Ratio), COP 24+ (Coefficient of Performance). Cooling capacity and efficiency increases as temperature increases. No chemical refrigerants. Low maintenance. Low water use. No moisture added to conditioned air. New, patented thermodynamic cycle.



- 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 Uses standard size 1" (25,4 mm), or 2" (50,8 mm) thick 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.

Power

710 Watts AC, MAX.
200-280V, 50-60Hz

Water

1/2" NPT (9,5 mm) water supply line at 35 PSI (2,40 Bar)

Weight

290 lbs (130 kg) dry (shipping)
340 lbs (150 kg) wet (operating)

Options

- A Thermostat auto-variable motor speed control
- B Manual-variable motor speed control
- C Exhaust louver

CONDITIONED AIR

Conditioned air flow at 1,450 CFM (2.460 m³/h) [680 L/s] without ducting losses. Intake airflow at 2,700 CFM (4.500 m³/h) [1270 L/s], and working airflow at 1,250 CFM (2.040 m³/h) [590 L/s]. Conditioned air is cooled to approximately 95 to 120% of intake air's wet bulb temperature without changing moisture content.

