



Coolerado[®]

THE MOST EFFICIENT AIRCONDITIONER



Consumes up to 90% less
electricity than traditional air
conditioners!

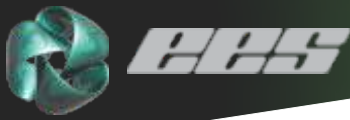


EES



EMERGING ENERGY SYSTEMS (PVT) LTD

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KEY FEATURES

- | | | |
|---|---|---|
|  100% fresh, filtered, cool, and comfortable air with no added humidity |  Natural - No CFC or Refrigerant |  Cooling capacity increases as temperature increases |
|  Uses up to 90% less electricity than traditional air conditioners |  5-year limited warranty |  No moisture added to conditioned air |
|  Affordable, cost competitive with traditional air conditioners |  Low, easy maintenance |  Patented, new thermodynamic cycle and technology |
|  Net Zero Water |  Quiet - Less than 70 DBA @ one |  EER of 40 plus |

- Coolerado's cooling capacity has been validated through independent studies by US Government Department of Energy and major utility companies
- Coolerado systems are installed in the US, Japan, Europe, and SE Asia
- Absence of a compressor means that:
 - The system will be even more effective at high temperatures when even compressor based airconditioners cease to function
 - The system can operate on UPS Backup power or Solar Power System
- Coolerado is Scalable – it has a modular design.
- Coolerado has few mechanical parts, resulting in high reliability and low maintenance

Total payback within approximately
1 YEAR

awards winner

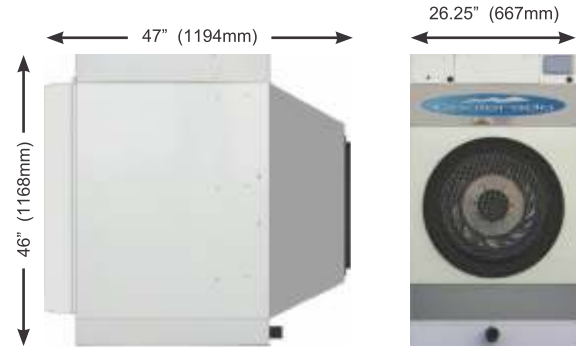


Made in USA

M30 - 3 TONS

Conditioned air flow: 900 CFM (1,530m³/h) [420L/s] without ducting losses.
Intake airflow: 1,680 CFM (2,800 m³/h) [370L/s]
Working airflow: 780 CFM (1,270 m³/h) [370L/s]

Conditioner air is cooled to approximately 95 to 120 percent of intake air's wet bulb temperature without changing the moisture content



LEFT SIDE

INTAKE AIR VIEW

POWER

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

WATER

3/8" (9,5 mm) water supply
line at 35 PSI (2,40 Bar)

WEIGHT

240 lbs (110 kg) dry (shipping)
270 lbs (122 kg) wet (operating)

M50 - 5 TONS

Conditioned air flow: 1,450 CFM (2,460 m³/h) [680L/s] without ducting losses.
Intake airflow: 2,700 CFM (4,500 m³/h) [1,270L/s]
Working airflow: 1,250 CFM (2,040 m³/h) [590L/s]

Conditioner air is cooled to approximately 95 to 120 percent of intake air's wet bulb temperature without changing the moisture content



LEFT SIDE

INTAKE AIR VIEW

POWER

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

WATER

3/8" (9,5 mm) water supply
line at 35 PSI (2,40 Bar)

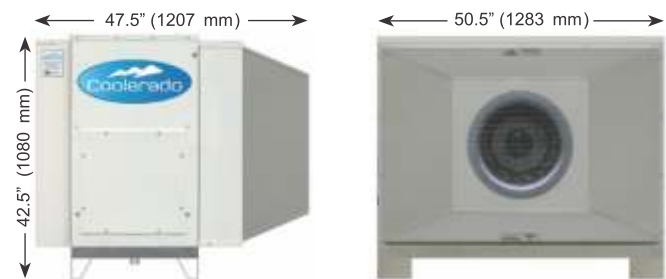
WEIGHT

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

C60 - 6 TONS

Conditioned air flow: 1,600 CFM (2,700 m³/h) [760L/s] without ducting losses.
Intake airflow: 2,900 CFM (4,900 m³/h) [1,370L/s]
Working airflow: 1,300 CFM (2,200 m³/h) [610L/s]

Conditioner air is cooled to approximately 95 percent of intake air's wet bulb temperature without changing the moisture content



LEFT SIDE

INTAKE AIR VIEW

POWER

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

WATER

3/8" (9,5 mm) water supply
line at 35 PSI (2,40 Bar)

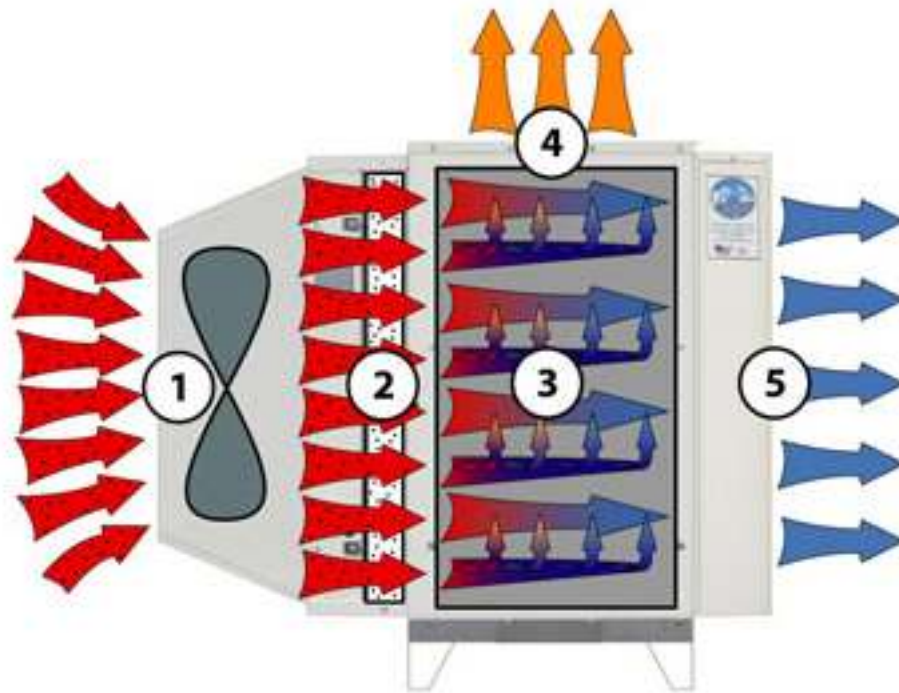
WEIGHT

375 lbs (170 kg) dry (shipping)
475 lbs (215 kg) wet (operating)

OPTIONS

- A - Auto-variable thermostat motor speed controller.
- B - Manual-variable motor speed control.
- C - Exhaust louver with drift eliminator.
- D - 120 V, 60Hz, 1250 Watt AC Motor (does not work with options A or B).

How Coolerado Works



- 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 2 inch thick filters
- 3. Heat and Mass Exchange (HMX)** - The air enters an array of HMXs that use a new patented technology to separate the hot, humid air from cooled air
- 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 to it. This conditioned air is ducted into a structure

Other Product Lines

Solar Panels

Wind Turbines

Batteries

Waste-to-Energy

Solar Pumps

Solar Geysers

Street Lights

LED Lights

225



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