



# Powerfully Cool in City Spaces

## ALWAYS COLDER



Feel the deep cooling difference instantly with Airbitat City Cooler. Powered by our Reevac® Deep Cooling technology, the City Cooler is 50% more effective in delivering cool air than conventional evaporative cooler.

## ALWAYS QUIET



The Airbitat City Cooler is designed to be quiet yet powerful. With streamlined airflow paths and high efficiency low-noise German-engineered fans that are fully encapsulated, the Airbitat experience is one that is truly cool, but never noisy.

## ALWAYS HYGIENIC



The Airbitat City Cooler is designed for easy maintenance to ensure maximum hygiene and cooling performance. With built-in cleaning cycles, you can be sure that each experience with Airbitat is fresh and cool.

CITY COOLER

AIRBITAT

## The Reevac® Deep Cooling Technology

### Experience deep cooling that is always colder

Other coolers can be limited in its cooling impact. But with the City Cooler, you will feel the deep cooling difference instantly. With our unique **Reevac® Deep Cooling** technology, it is always 50% more effective in delivering cool air than conventional evaporative cooler, in every environment.

Powered by



#### Step 1 Creating cold water

Cold water is created by evaporation within the City Cooler to generate a reservoir of cold water to supercharge the cooling cycle.

#### Step 2 Rapid cooling

With the cold water created, it fuels the ultra-efficient heat exchanger, rapidly transforming the ambient air to a cooler temperature.

#### Step 3 Deep cooling

The cooled air then passes through a second stage of evaporation, emerging as deeply cooled air streams.

### Always 50% more effective than conventional evaporative coolers

Powered by **Reevac® Deep Cooling** technology, the City Cooler delivers unparalleled cooling performance that is 50% more effective versus conventional coolers. Ideal for cooling open spaces, it provides relief from urban heat even in the most challenging environments.

#### Mediterranean Summer



#### Airbitat in other climates

##### Tropical Summer

60% Relative Humidity

Ambient	Conventional	Airbitat
32°C	27.3°C	24.7°C

Carbon Emissions Savings of 61.2%

##### Arid Summer

30% Relative Humidity

Ambient	Conventional	Airbitat
38°C	27.7°C	22.2°C

Carbon Emissions Savings of 81.7%

### Energy saving and eco-friendly

The City Cooler is designed to be energy-efficient and eco-friendly from day one. With no energy-hungry compressors, it consumes up to 80% less electricity than air-conditioning of a similar capacity, and it does not generate any waste heat to the environment. The City Cooler also delivers sustainable deep cooling without the use of chemical refrigerants and CFCs, or emissions of harmful chemicals. It is environmentally-friendly and sustainable to operate.



Up to 80%  
energy savings



No waste heat



Eco-friendly





## Re-engineered to cool deep and wide

Now with oscillating louvers, the latest generation of City Coolers achieves both targeted directional cooling and wide coverage cooling. You decide how to cool your space.

  
90° widespread oscillation

  
8m throw

## Smart operations, smart savings

The City Cooler's intelligent operating system detects ambient environment conditions and automatically switches between Fan Mode and Boost Mode, delivering energy-efficient smart savings. The City Cooler also comes with the Airbitat Smart Control App that lets you set up the Airbitat on-site, or manage a fleet of coolers remotely via the web dashboard.



## The Airbitat City Cooler is:



### Built tough

Durable and robust to weather outdoor conditions.



### Timer function

Be completely in control. Set a timer to automatically switch on/off your cooler.



### Hygienic

Engineered to resist bacteria growth and decay for hygienic operation and increased service life.



### Easy to maintain

Fuss-free maintenance with removable panels for easy rinsing.



### Product of Singapore

Wholly innovated, engineered and designed in Singapore.



### 365 days of surety

Comes with one year limited warranty for labour and parts.

## Specifications:

Model No.	CTC02			
Air flow	(m³/h)	5,200		
Cooling capacity*	(kW)	16.0 <sup>1</sup>	31.9 <sup>2</sup>	40.2 <sup>3</sup>
	(Ton)	4.5	9.1	11.4
	(Btu/hr)	54,600	108,840	137,160
COP	-	12.3	24.5	30.9
Power supply	(V)	90-130	200-240	
Frequency	(Hz)	50 / 60		
Current	(A)	12	6	
Power consumption	(kW)	1.3		
Weight (Dry / Wet)	(kg)	210 / 280		
Dimensions (L x W x H)	(mm)	808 x 940 x 1985		

\*Based on outdoor ambient condition of: <sup>1</sup>34°C/50%RH | <sup>2</sup>38°C/21%RH | <sup>3</sup>46°C/16%RH



## Frequently Asked Questions:

### Where does the City Cooler work best?

The City Cooler works best in well-ventilated spaces, preferably with adequate shelter from the elements. These can include commercial spaces - such as semi-open urban areas, outdoor attractions, alfresco dining or even in industrial spaces such as large factories and hangars.

### Does misting occur at the outlet?

The City Cooler is not a misting solution and all moisture is completely evaporated before leaving the unit.

### Can the City Cooler be used indoors?

The City Cooler can be used indoors, but only with sufficient ventilation. It is not advisable to use the system in a totally enclosed space due to the gradual build-up of humidity.

### What type of maintenance is required?

The City Cooler's pre-filters, accessible via the removable side grilles, should be washed regularly depending on the ambient conditions of the installation site. Thorough cleaning of internal components is also recommended once every 6 months to ensure maximum hygiene and cooling performance of the City Cooler.

### What is the water consumption?

The City Cooler consumes around 20 litres\* of water an hour.

\*Subject to environmental conditions

### What is required to operate the City Cooler?

A single-phase power source and a minimum 1-bar pressure water-inlet is required. A water discharge point is also necessary as the system automatically discharges any excess water at the end of operations.

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For enquiries, please email us at [airbitat.sales@stengg.com](mailto:airbitat.sales@stengg.com), or visit [www.airbitat.com](http://www.airbitat.com) for more information.