



Powerfully Cool in City Spaces

ALWAYS COLDER



Feel the deep cooling difference instantly with Airbitat City Cooler. Powered by our 3-step Reevac™ Deep Cooling Technology, the City Cooler is 50% more effective in delivering deeper cooling 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 Process

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 cooling than conventional evaporative cooler, in every environment.



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

Arid Summer 30% Relative Humidity

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

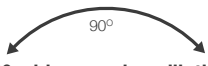
Energy saving and eco-friendly

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.

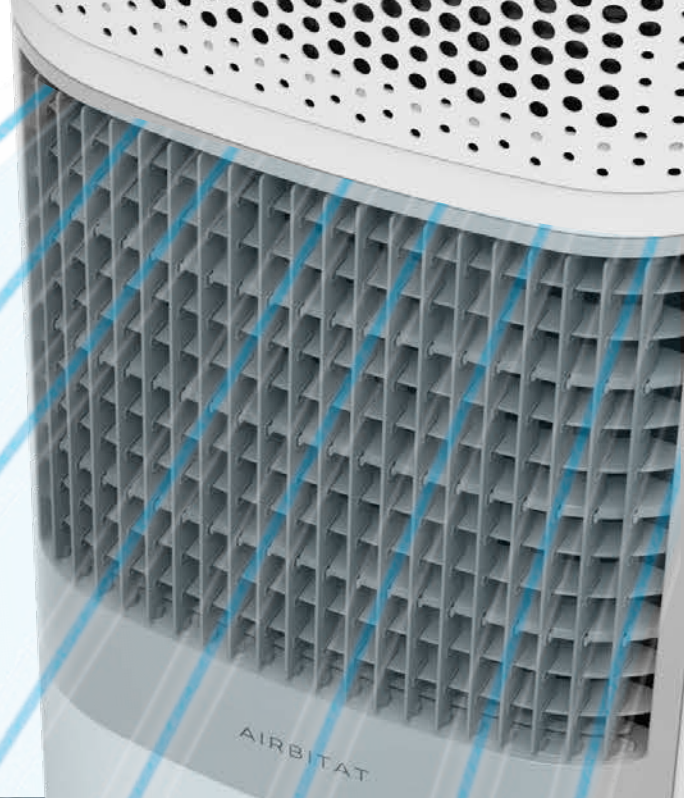


Re-engineered to cool deep and wide

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.






Smart Operations



Smart Savings



Smart Control

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	(m ³ /h)	5,200	
Cooling capacity*	(kW)	16	
	(Ton)	4.5	
	(Btu/hr)	54,600	
Power supply	(V)	90-130	200-240
		50 / 60	
Frequency	(Hz)	50 / 60	
Current	(A)	12	6
		1.3	
Power consumption	(kW)	1.3	
COP	12		
Weight (Dry / Wet)	(kg)	210 / 280	
Dimensions (L x W x H)	(mm)	808 x 940 x 1985	

*Based on outdoor ambient condition of 34°C/50%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.

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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AN ST ENGINEERING OPEN LAB

For enquiries, please email us at sales@airbitat.com, or visit www.airbitat.com for more information.