



AIRBITAT
SMART COOLER



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 any other 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

Australian Distributor for Airbitat

SAFETYCOOL™
COMFORT TECHNOLOGY SOLUTIONS

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 any other 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.

Traditional Direct Evaporative Vs Indirect Evaporative

A traditional evaporative or direct evaporative unit has a one step cooling process. As water is evaporated through passing of hot air through the cooling media, it produces cooled air. Through this process there is an increase in moisture content, thus a higher humidity feeling in the delivered air.

Reevac Deep Cooling Technology is an indirect evaporative cooling process. By using the 3 steps as shown above, Airbitat units are able to deliver much greater cooling performance, closer to the feel of refrigerated cooling. The final air delivery has less moisture content or humidity than traditional evaporative cooling.

This is why Airbitat can deliver optimal cooling performance even in high humidity climates.

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

Ambient: 32°C / 60%RH
Airbitat: 24.7°C
Conventional Cooler: 27.3°C

Arid Summer

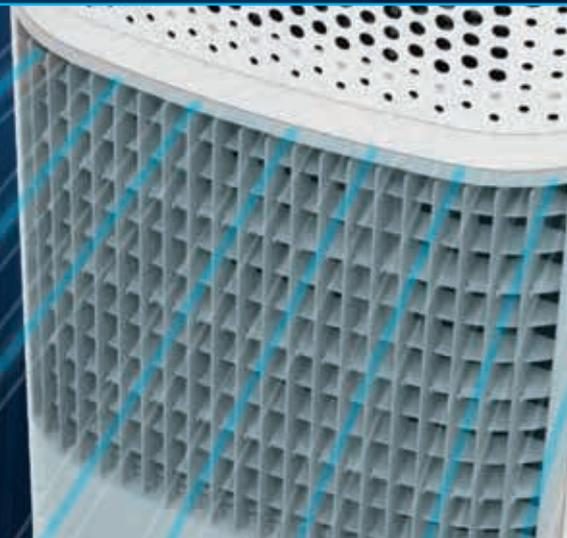
Ambient: 38°C / 30%RH
Airbitat: 22.2°C
Conventional Cooler: 27.7°C

Extreme Conditions

Ambient: 45°C / 20%RH
Airbitat: 22°C
Conventional Cooler: 30°C
*Tested in Australian Summer Conditions

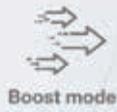
Re-engineered to cool deep and wide

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.



Smart operations, smart savings

When Smart Mode is activated, the City Cooler detects ambient conditions and automatically switches between Fan Mode and Boost Mode, delivering tangible energy savings that is both good for business and for the environment.



Smart control

With the Airbitat mobile app, you can easily set up your City Cooler onsite via Bluetooth and choose your preferred fan speed, cooling mode, timer, and Wi-Fi connection. Once it's connected to Wi-Fi, you can manage one, or even your entire fleet of coolers remotely via the web dashboard, with access to additional features such as performance monitoring.



On-site Control



Web Control



Performance Monitoring

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:

Air flow	m ³ /h, L/s	5200, 1450
Cooling capacity*	(kW)	16
	(Ton)	4.55
	(Btu/hr)	54,500
Power supply	(V/Hz)	240 / 50
Current	(A)	6
Power consumption	(kW)	1.25
COP		12.8
Weight (Dry / Wet)	(kg)	200 / 260
Dimensions (L x W x H)	(mm)	808 x 940 x 1965

*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 due to the gradual build-up of humidity.

When situated outside the building and ducted in, the City Cooler can provide high levels of cooling performance. With 100% fresh air supply, these units are great for cooling semi open areas where there may be a high density concentration of people. City Cooler can also be used as a preconditioned fresh air unit for larger air conditioning systems.

What is required to operate the City Cooler?

A single-phase 10A power source, 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.

What is the running cost?

The running cost of the City Cooler will depend on conditions and utilities unit pricing of the area. Typically, the average running costs are approximately 0.25 - 0.30c per hour.

What is the area of coverage?

For spot cooling approximately 70-100m².
For ducted area cooling approximately 150m².

*Subject to conditions, setup and placement of unit.

What is the product lifespan of the City Cooler?

The City Cooler has been designed for commercial use applications. The components and materials selected in manufacturing the units have been carefully chosen to ensure the ongoing durability and longevity. Depending on conditions and maintenance we estimate 5-10 years of cooling performance.

What type of maintenance is required?

The City Cooler's pre-filters, accessible via the removable side grills, 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

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