

CTA500



Delivering high performance evaporative cooling at unbelievable value

Specifically designed to offer a high quality, affordable and energy-efficient solution for light commercial and residential installations.



Black Opal™ Mini-cell^ Chillcel® Pads

Our revolutionary **Black Opal™ Mini-Cell^ Chillcel®** pads have transformed the aesthetics of our coolers as they seamlessly blend into their surroundings; maintaining our global leading Mini-cell^ Chillcel® pad technology, which increases surface area of the pads by 25%, dramatically multiplying cooling capacity and efficiency - **BEYOND BELIEF!**



Economical cooling capacity

Provides a budget-friendly solution for a more affordable installation.



Tornado® Water Pump

Designed, manufactured and tested by Seeley International. The encapsulated motor has an overload cut-out, stainless steel shaft and bearings with a smart impact-start feature that will overcome any tendency for the pump to become locked up with residue during prolonged off-periods.



115V / 60Hz Power Supply

Available in single phase power supply with built-in fuses to protect the motor and pump.



Control Options

Ability to purchase and connect your own choice of wall controller (DIY capability). Easy to install and fuse-protected.



Completely Enclosed Motor

Convair's fan motor is fully enclosed to international standards, excluding any moisture ingress. No belts or pulleys necessary.



Lightweight & Durable

Permatuf™ corrosion-proof cabinet and lightweight construction, UV-stabilized structural polymer materials as used in some space satellites means the cabinet will not corrode or rust. Since it is so much lighter than other coolers on the market, it's easier and cheaper to install.



Non-clogging Water Distribution

The water distribution maximizes cooling efficiency, ensuring a continuous and balanced flow of water across the cooling pads.



Regulatory compliance

Convair's CTA500 has been ETL listed to comply with UL507.

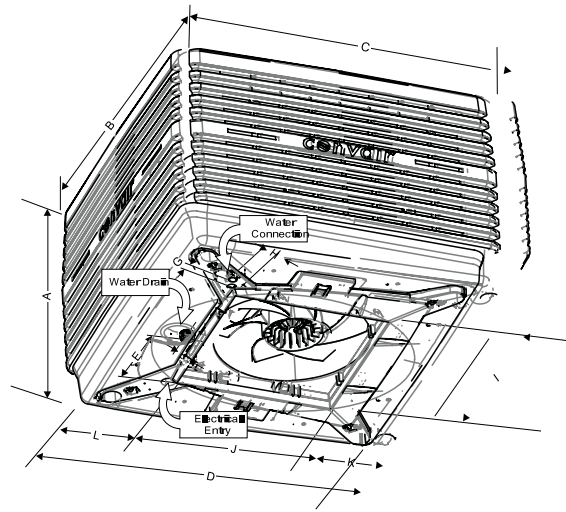


seeleyinternational.com

Specifications

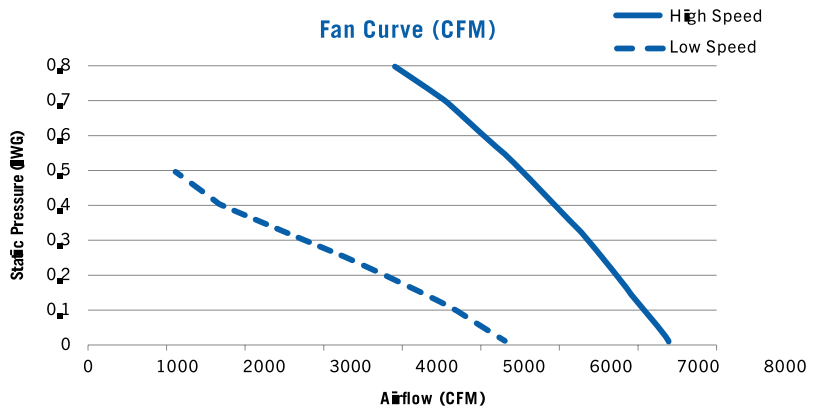
CTA 500		
Airflow	Industry Standard (CFM)	8,500
Cooling Capacity*	BTU/hr.	44,020
Power Consumption	Max Power (W)	1,350
	Rated Current (A)	High Speed - 13 Low Speed - 6.5
Power Supply	Voltage/Phases/Hz	115 / 1 / 60
Fan	Type	Axial
	Diameter - External	21.3"
Motor	Type	PSC - 2 speed
	Speed Max	1,650 RPM
	Power (W)	950
	Rated Current (A)	13
	Capacitor (uF/V)	60 / 250
Pump	Overload	Auto-reset and "One Shot" Fuse
	Type	Centrifugal
	Motor	Synchronous
	Power (W)	32
	Rated Current (A)	0.8
	Flow Rate (gal/min)	4.4
	Voltage/Phases/Hz	115 / 1 / 60
Cooling Pad Chillcel	Overload	Thermal One Shot
	Enclosure Rating	IPX4
	Size	33 1/2" x 20 3/4" x 3 1/2"
Water	Pad Area ft ²	10.8
	Tank Capacity (gallons)	6.1
Shipping	Water Inlet	1/2" male BSP
	Drain	1 1/2" male BSP
Connecting Duct (raw edged)	Dimensions - including pallet	45 1/4" x 45 1/4" x 35 1/2"
	Volume (ft ³)	42.4
	Mass (lb)	148
Operating (lb)	Length and Width	21 5/8" x 21 5/8" (19 3/8" sq. roof jack adaptor included)
		198

Cabinet Details



Model#	A	B	C	D	E	F	G	H	I	J	K	L
CTA 500 (inches)	32 7/8	45 1/4	45 1/4	42 1/2	10 1/4	3 3/4	3 3/4	3 3/4	21 7/8	21 7/8	9 1/4	11

Cooler Discharge Air Temperature Chart



Static Pressure	Industry Standard (CFM)	Motor (W)	IWG	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Airflow (CFM)	8,500	900	High	7,070	6,780	6,460	6,120	5,740	5,340	4,890	4,410
			Low	5,170	4,530	3,690	2,710	1,800	1,230	-	-

		Ambient Relative Humidity %								
		10	20	30	40	50	60	70	80	90
Ambient Dry Bulb temperature °F	50	37.0	38.6	40.2	41.7	43.2	44.7	46.1	47.4	48.7
	60	43.9	46.0	48.0	49.9	51.8	53.5	55.2	56.9	58.5
	70	50.5	53.3	55.6	58.0	60.3	62.4	64.4	66.4	68.2
	80	56.9	60.2	63.2	66.1	68.8	71.3	73.7	75.9	78.0
	90	63.1	67.1	70.8	74.2	77.3	80.2	82.9	85.4	87.8
	100	69.1	74.0	78.4	82.3	85.9	89.2	92.2	95.0	97.6
	110	75.2	81.0	86.1	90.5	94.5	98.2	101.5	104.5	107.4
	120	81.1	88.0	93.8	98.8	103.3	107.2	110.8	114.1	117.2
130	87.1	95.0	101.6	107.2	112.0	116.3	120.2	123.8	127.0	

This chart represents approximate air temperatures based on 85% saturation efficiency at sea level. From tests carried out to Australian Standard 2913.

ussales@seeleyinternational.com

We provide full technical support to ensure optimal design for each application.



Seeley International- AZ
 1002 S. 56th Avenue
 Suite 101
 Phoenix Arizona 85043
 Phone: 602-353-8066

Seeley International - CO
 4430 Glencoe Street
 Denver, Colorado 80261
 Phone: 303-375-0878

