coolair
By SEELEY INTERNATIONAL™

The Coolair CPQ series

Delivering high performance evaporative cooling at unbelievable value

Permatuf® corrosion-proof cabinet

The Coolair cabinet will not corrode or rust. The UV stabilised structural polymer material is the same type used to make some space satellite components.

MagIQcool® Controller (standard)

Operate one cooler from an easy to use, wall mounted thermostat controller. The controller comes with 20 m wiring loom, that can be extended up to a maximum length of 100 m.

Advanced touch screen MagIQtouch® Controller (optional)

The technology includes in-built Installation Wizard, making the operating process simple. Coolers are supplied with a standard 20 m cable (40 m cable can be supplied as optional) to operate up to 60 coolers from a single MagIQtouch controller.

Axial fan

This super powerful fan is designed to maximise performance and minimise noise. The purpose designed fans are inherently balanced, with aerofoil blades to provide energy efficient, high pressure performance.

MagIQtouch® BMS Control interface (optional)

BMS interface as optional with analogue and digital inputs.

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!

^Patent pending

MagIQtouch® Wi-Fi Smart App (optional)

Now you can control your Coolair evaporative cooler remotely using your smart devices.

Syncing with the MagIQtouch® wall controller you can:

- View the live status of your unit
- Turn the system on/off or in free-cooling mode
- Adjust temperatures and fan speeds
- Override the Program Modes

Totally enclosed motor

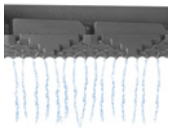
Coolair's fan motor is fully enclosed to international standards and excludes any moisture ingress from all sources. The advanced design is rigorously tested and completely reliable.

AUTOWeatherseal

The Auto Weather Seal closes the cooler air discharge outlet automatically, thus significantly reducing natural air currents from circulating in and out of the building.

Non-clogging water distribution system

Coolair's non-clogging water distribution is one of the things that make it unique. The water distributor maximises cooling efficiency by supplying a continuous and balanced flow of water across the cooling pads. This is different to any other brand of evaporative coolers, which are subject to water flow variations for a number of reasons. Coolair's balanced flow ensures highest evaporation efficiency and maximum cooling.



Tornado® water pump

Designed, manufactured and tested by Seeley International, the Tornado pump epitomises reliability.

Clean and dry function

The cooler drains automatically when it's not in use, preventing algae growth and maintaining a clean cooler.

WaterManager™ system

The Coolair WATERManager ensures optimum machine life with minimum maintenance by constantly checking water quality. It senses water quality with a probe that sends a signal back to the electronic module, which then ejects some dirty water and allows fresh water to enter.

Technical specifications

		CPQ 700	CPQ 1100X
Airflow @ 80Pa	Actual (m^3/h)	7200	10120
Cooling capacity*	(kW)	9.5	14.1
Evaporative efficiency	(%)	85.1	86.3
Power consumption (total)	Watts max	870	1220
	Current rated (A)	4.0	6.0
Power supply	Voltage / Phases / Hz	220-240 / 1 / 50	220-240 / 1 / 50
Controller	Type	Digital	Digital
Fan	Type	Axial	Axial
	Dia (mm)	541	541
Motor	Type	PSC	PSC
	Speed max (rpm)	1260 VAR	1350 VAR
	Output Watts max	430	950
	Overload & Fuse	Auto reset & one-shot fuse	Auto reset & one-shot fuse
	Enclosure	IP54	IP24
Pump	Type	Centrifugal	Centrifugal
	Motor	Synchronous	Synchronous
	Rating Amps (input)	0.25	0.25
	Flow rate (L/min)	21	21
	Voltage / Phases / Hz	230 / 1 / 50	230 / 1 / 50
	Overload	Thermal one-shot fuse	Thermal one-shot fuse
	Enclosure rating	IPX4	IPX4
Cooling pad Chillcel	Size (mm)	850 x 376 (H) x75 (4 pads)	800 x 526 (H) x 90 (4 pads)
	Pad area (m^2)	1.28	1.79
Water	Tank capacity (L)	23	23
	Inlet (mm / inches)	12.7 / ½" male BSP	12.7 / ½" male BSP
	Drain (mm / inches)	40 / 1½" male BSP	40 / 1½" male BSP
Shipping	Dimensions including pallet (mm)	1150 x 1150 x 752 (H)	1150 x 1150 x 902 (H)
	Volume (m^3)	0.99	1.20
	Mass (kg)	56	68
	Operating (kg)	79	91
Connecting duct (raw edged)	Length x width (mm)	550 x 550	550 x 550

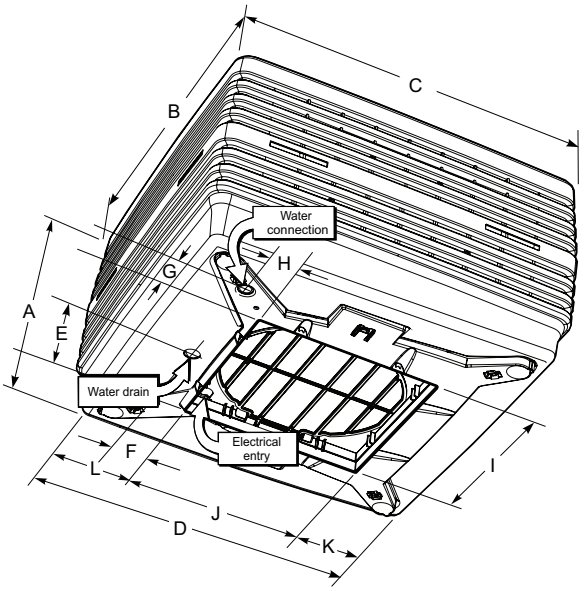
*Cooling capacity measured to Australian Standard AS2913-2000, ambient of 38°C dry bulb and 21°C wet bulb, with room exit temperature of 27.4°C.

COOLER DISCHARGE AIR TEMPERATURE CHART

Ambient Dry Bulb Temperature °C	Ambient Relative Humidity %								
	10	20	30	40	50	60	70	80	90
10	2.7	3.6	4.5	5.3	6.2	7.0	7.8	8.5	9.3
15	6.1	7.3	8.4	9.4	10.4	11.4	12.4	13.3	14.1
20	9.4	10.8	12.2	13.5	14.7	15.8	17.0	18.1	19.0
25	12.6	14.3	16.0	17.5	18.9	20.3	21.5	22.8	23.9
30	15.7	17.8	19.7	21.5	23.2	24.7	26.2	27.5	28.8
35	18.7	21.2	23.5	25.6	27.4	29.2	30.8	32.3	33.7
40	21.8	24.7	27.3	29.6	31.7	33.7	35.4	37.1	38.6
45	24.7	28.1	31.1	33.7	36.1	38.2	40.1	41.9	43.5
50	27.6	31.6	35.0	37.8	40.4	42.7	44.8	46.7	48.4

This chart represents approximate air temperatures based on cooling performance at sea level. From tests carried out to Australian Standard 2913.

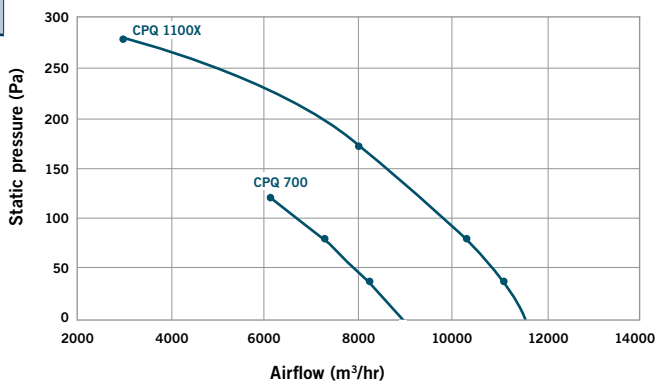
CABINET DETAILS



Model#	A	B	C	D	E	F	G	H	I	J	K	L
CPQ 700	685	1150	1150	1080	275	95	82	82	555	555	249	279
CPQ 1100X	835	1150	1150	1080	275	95	82	82	555	555	249	279

Note: All dimensions are in mm.

FAN CURVE



Model#	Airflow m^3/h @ 80Pa	Motor W	Certified Air Delivery (m^3/h) (static pressure Pa)				
			0	40	80	120	160
CPQ 700	7200	430	9220	8280	7200		
CPQ 1100X	10120	950	11520	10840	10120	9070	7920

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Certified System Quality ISO 9001

Cat no. CPQ Series REV D (1020) EMEA. Information was correct at the time of preparation. E & OE.