



Pump, motor and electronics come with an additional 1 year guarantee for residential installations (3 years total). Please refer to your owner's manual for all service and guarantee terms and conditions.

## Delivering high performance evaporative cooling at unbelievable value



### Tornado® water pump

Designed, manufactured and tested by Seeley International and manufactured with materials that are built to last, the Tornado pump epitomises reliability.

The encapsulated motor has overload cut-out, stainless steel shafts and bearings and a clever impact-start feature that will overcome any tendency for the pump to become locked up with residue during prolonged off periods.

The strong synchronous motor has constant speed, independent of voltage fluctuations, and runs very cool.

### Stealth™ fan

The better the fan, the more efficient the system. This super powerful fan is designed to maximize performance and minimize noise. The purpose designed fans are inherently balanced, with aerofoil blades to provide energy efficient, high pressure performance.



### WATERManager™ system *Optional*

The WATERManager ensures optimum machine life with minimum maintenance by constantly checking water quality. As the water in the cooler evaporates, it leaves behind impurities and salts, which then become deposited on the cooling pads and cause the cooling power to fall. The WATERManager system 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.

### Totally enclosed motor

Convair's fan motor is fully enclosed to international standards and excludes any moisture ingress from all sources.



### Permatuf™ corrosion-proof cabinet

UV stabilised structural polymer material as used in some space satellites means the cabinet will not corrode or rust.



### Breakthrough Black Opal™ Mini-cell<sup>^</sup> Chillcel® pad technology

- The only evaporative cooling medium of its kind. Fully manufactured in Australia to address the harsh global climate. It's an absolute out-performer!
- Exclusive small cell design provides cutting-edge cooling capacity.
- Maintains our global leading Mini-Cell<sup>^</sup> Chillcel® pad technology, which increases surface area of the pads by 25%, dramatically multiplying cooling capacity and efficiency - BEYOND BELIEF!

• **BLACK OPAL™ MINI-CELL<sup>^</sup> CHILLCEL®** pads deliver transformational aesthetics to your home enabling the unit to blend seamlessly into its surroundings.

### Digital Smartbox™/ control power module

A state-of-the-art digital electronic control for optimum performance. The Smartbox monitors and controls all of the cooler's features to provide ultimate comfort conditions. The module also incorporates diagnostic features and memory with several user choices to set up your preferred environment.



### Optional Controllers



### MAGIQTOUCH®

Smart, sophisticated and incredibly intuitive, your MagIQtouch® controller makes operating your Convair, a breeze. Control the temperature, fan speed and many more features on a user friendly touch screen. Discreet and modern design will blend seamlessly into the décor of your home.

### MagIQcool

Operate one cooler from an easy to use, wall mounted thermostat controller. The controller comes with a 20m wiring loom.

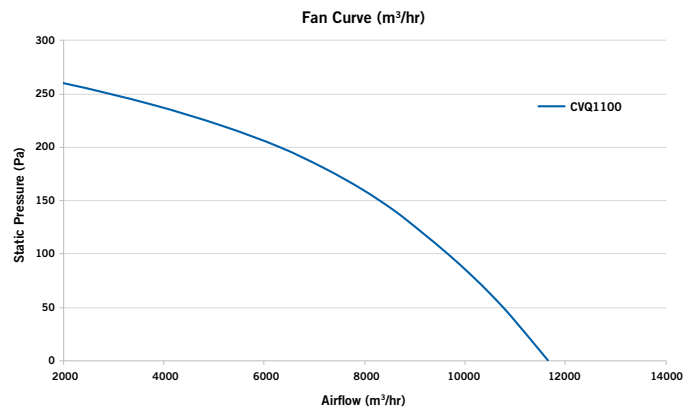


## TECHNICAL SPECIFICATIONS

|                                    |                                  |                              |
|------------------------------------|----------------------------------|------------------------------|
| <b>Airflow @ 80Pa</b>              | (L/s)                            | 2810                         |
|                                    | (m³/h)                           | 10120                        |
| <b>Cooling capacity*</b>           | (kW)                             | 8.8                          |
| <b>Power consumption (total)</b>   | Max (Watts)                      | 1160                         |
|                                    | Current - Rated (A)              | 5.7                          |
|                                    | Energy Efficiency Ratio          | 7.6                          |
| <b>Power supply</b>                | Voltage / Phases / Hz            | 220-240 / 1 / 50             |
| <b>Controller</b>                  | Type                             | Digital                      |
| <b>Fan</b>                         | Type                             | Axial                        |
|                                    | Dia (mm)                         | 541                          |
|                                    | Pitch (degrees)                  | 35                           |
| <b>Motor</b>                       | Type                             | PSC                          |
|                                    | Speed Max (rpm)                  | 1350 VAR                     |
|                                    | Output Max (Watts)               | 750                          |
|                                    | Overload & Fuse                  | Auto reset & 'one shot' fuse |
|                                    | Enclosure Rating                 | IP54                         |
| <b>Pump</b>                        | Type                             | Centrifugal                  |
|                                    | Motor                            | Synchronous                  |
|                                    | Power - rated (A)                | 0.25                         |
|                                    | Flow rate (L/min)                | 21                           |
|                                    | Voltage / Phases / Hz            | 230 / 1 / 50                 |
|                                    | Overload                         | Thermal 'one shot' fuse      |
| <b>Cooling pad Chillcel</b>        | Enclosure Rating                 | IPX4                         |
|                                    | Size (mm)                        | 850 x 526 (H) x 75 (4 pads)  |
|                                    | Pad area (m²)                    | 1.79                         |
| <b>Water</b>                       | Tank capacity (L)                | 23                           |
|                                    | Inlet (mm / inches)              | 12.7 / ½" male BSP           |
| <b>Shipping</b>                    | Drain (mm / inches)              | 40 / 1½" male BSP            |
|                                    | Dimensions including pallet (mm) | 1150 x 1150 x 902 (H)        |
|                                    | Volume (m³)                      | 1.20                         |
| <b>Connecting duct (raw edged)</b> | Mass (kg)                        | 65                           |
|                                    | Operating (kg)                   | 88                           |
|                                    | Length x width (mm)              | 550 x 550                    |

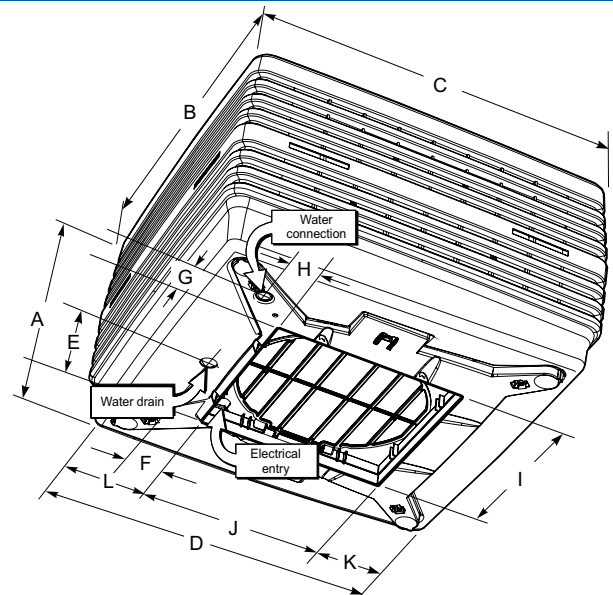
\*Cooling capacity measured to Australian Standard AS2913-2000, ambient of 38° C dry bulb & 21° C wet bulb, with room exit temperature of 27.4° C.

## FAN CURVES



| Model#  | Airflow L/s (m³/h) @ 80Pa | Motor W | Airflow - L/s (m³/h) vs Static Pressure (Pa) |              |              |             |             |
|---------|---------------------------|---------|--|--------------|--------------|-------------|-------------|
|         |                           |         | 0  | 40           | 80           | 120         | 160         |
| CVQ1100 | 2810 (10120)              | 750     | 3240 (11650)                                 | 3040 (10940) | 2810 (10120) | 2540 (9140) | 2210 (7960) |

## CABINET DETAILS



| Model#  | A          | B           | C           | D           | E          | F        | G        | H        | I           | J           | K         | L          |
|---------|------------|-------------|-------------|-------------|------------|----------|----------|----------|-------------|-------------|-----------|------------|
| CVQ1100 | 835 (32.9) | 1150 (45.3) | 1150 (45.3) | 1080 (42.5) | 275 (10.8) | 95 (3.7) | 82 (3.2) | 82 (3.2) | 555 (21.85) | 555 (21.85) | 249 (9.8) | 279 (11.0) |

Note: Dimensions are in mm (in).