

# The world's coolest, quietest and most energy efficient evaporative cooler

## BREEZAIR OFFERS

evaporative cooling solutions suitable for:

Homes and apartments	Sport recreational areas
Schools	Laundries / dry cleaners
Offices	Greenhouses
Restaurants & clubs	Farm buildings
Repair/maintenance areas	Institutional facilities



# THE BREEZAIR EXQ SERIES: VARIABLE SPEED WORLD-LEADING NATURAL COOLING TECHNOLOGY

## COOL WORKING ENVIRONMENTS WITH EASE

Breezair ICON EXQ boasts the most advanced features available in evaporative air conditioners. It's led the market in its class for many years – and still remains the most efficient and quietest available.

Designed and made in Australia to cope with even the harshest conditions, Breezair features a range of benefits exclusive to Seeley International – while delivering 100% fresh, cool, outside air at much lower costs than refrigerated cooling methods.

Front cover: ^Based on published research articles, NATA Laboratory test results and publicly sourced data.

## ULTRA-QUIET CENTRIFUGAL FAN

Centrifugal fans are the first choice of air conditioning engineers worldwide. The Breezair forward curved, centrifugal fans are made from injection-molded polypropylene.

They are double-width, inherently statically and dynamically balanced, with aerofoil blades to provide high pressure performance and very low noise levels.

## DIRECT DRIVE INVERTACOOL MOTOR

Exclusive to Breezair, this motor is super efficient and electronically controlled for optimum efficiency.

Corrosion resistant, it's the quietest motor available and has unsurpassed reliability, reduced energy use and runs at variable speeds.

## TORNADO® WATER PUMP

The perfect pump for the job! The Tornado pump is built to last. Designed, manufactured and tested by Seeley International, the Tornado pump epitomises reliability.

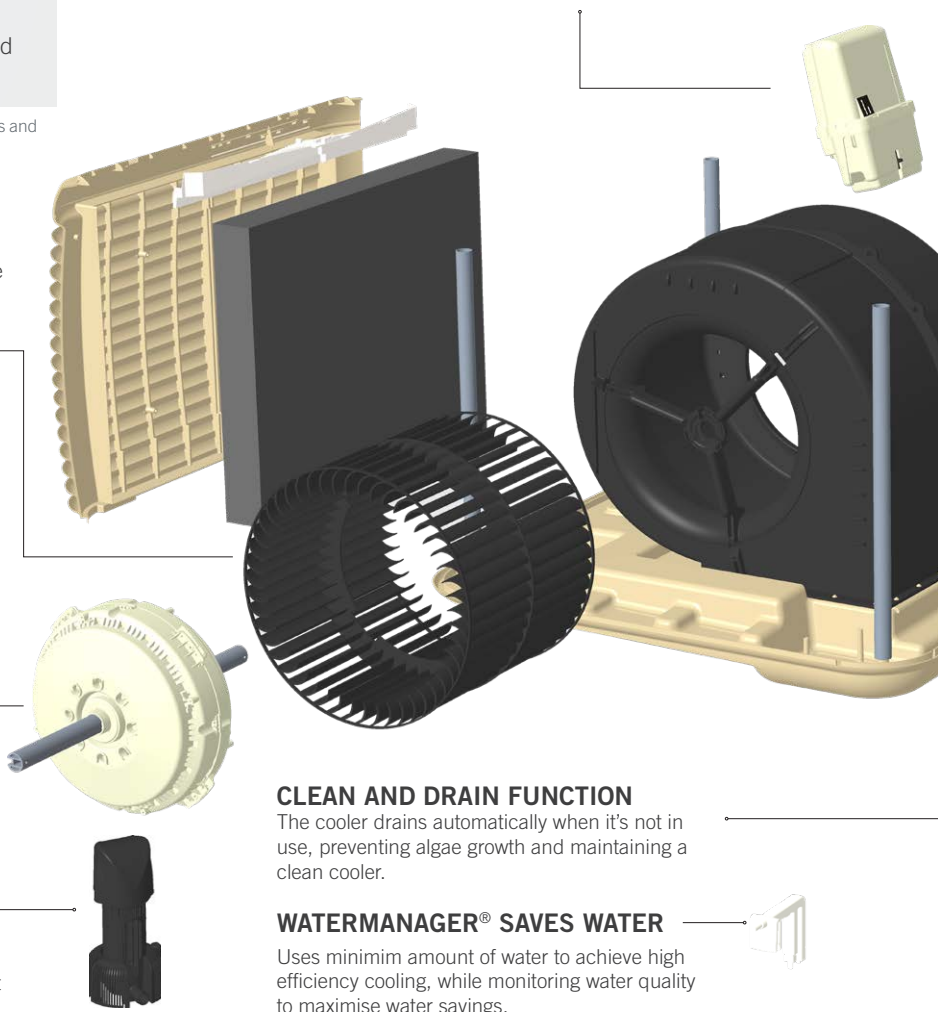
It features very safe material choices, an encapsulated motor with overload cut-out, stainless steel shafts and bearings fully protected from water.

Plus, it has 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.

## DIGITAL SMARTBOX™ / CONTROL POWER MODULE

A state-of-the-art digital electronic control means optimum performance. The Smartbox digital control module monitors and controls all of the cooler's features to provide ultimate comfort conditions, temperature sensing and water quality supervision – completely safely and reliably.

The module also incorporates diagnostic features and memory to aid trouble-shooting and minimize downtime. Several user choice parameters are available to allow you to set up your preferred environment.



## CLEAN AND DRAIN FUNCTION

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

## WATERMANAGER® SAVES WATER

Uses minimum amount of water to achieve high efficiency cooling, while monitoring water quality to maximise water savings.

## CHOICE OF CONTROLLER

# MAGIQTOUCH®

Smart, sophisticated and incredibly intuitive, your MagIQtouch® controller makes operating your Breezair, 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.

**MAGIQTOUCH®**  
wired controller

Touch screen, wall mounted controller wired to your home or building

**MAGIQTOUCH®**  
wi-fi enabled  
(Optional add-on)

- Upgrade to a WI-FI module to work with your wired-in MagIQtouch® Controller\*, enabling you to control your cooling directly from your personal device through our smart app.
- The Smart app is available on Android and IOS devices.
- Integrate into voice activated smart home controls like Google Home and Amazon Alexa.



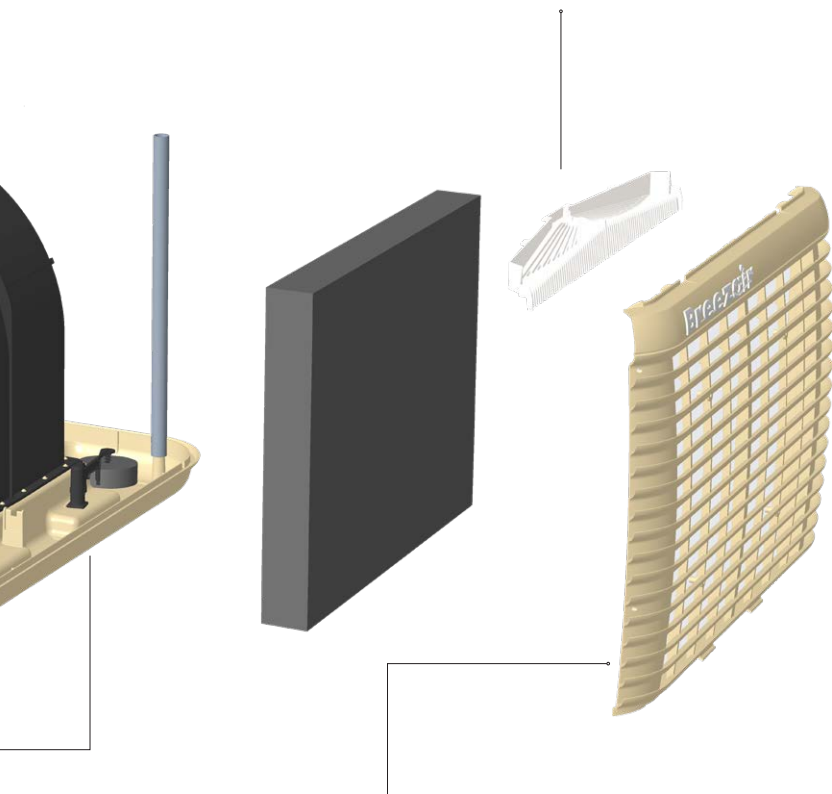
# PEED OLOGY



## NON-CLOGGING WATER DISTRIBUTION SYSTEM

Breezair'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. Breezair's balanced flow ensures highest evaporation efficiency and maximum cooling.



## CORROSION-PROOF CABINET

The Breezair cabinet is made of UV stabilized structural polymer material and will not corrode or rust.

The only cabinet with a **25 year guarantee**.

## BREEZAIR GUARANTEE

For complete peace of mind, Breezair backs every one of its air conditioning systems with an industry leading comprehensive guarantee program.

Pump, motor and electronics come with a 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.

## BREAKTHROUGH BLACK OPAL™ MINI-CELL ^ 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 ^ Chillcel® pad technology, which increases surface area of the pads by 25%, dramatically multiplying cooling capacity and efficiency - **BEYOND BELIEF!**
- **BLACK OPAL™ MINI-CELL ^ CHILLCEL® pads** deliver transformational aesthetics to your home enabling the unit to blend seamlessly into its surroundings.

## THE INTELLIGENT CHOICE FOR YOUR BUSINESS, THE ENVIRONMENT AND YOUR BUDGET

Unlike air-conditioning that requires harsh, earth-unfriendly chemicals to cool the air, Breezair uses only water. That makes the Breezair cooling system the green alternative – and the environmentally conscious choice.

When cooling your home – and when conventional air conditioning is simply not an option – evaporative cooling is the smartest move you can make. The Breezair cooling system:

- Is more energy-efficient and cheaper to run when compared to a standard efficiency ducted refrigerated system!
- Delivers 100% fresh air
- Is easier to install
- Is healthier for the environment – drastically reduced power use, no harmful emissions and no synthetic refrigerants
- Is easier to maintain

The advantages for your budget and for the environment are obvious right away with this green, environmentally conscious cooling system.

## MAGIQCOOL™ CONTROLLER



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

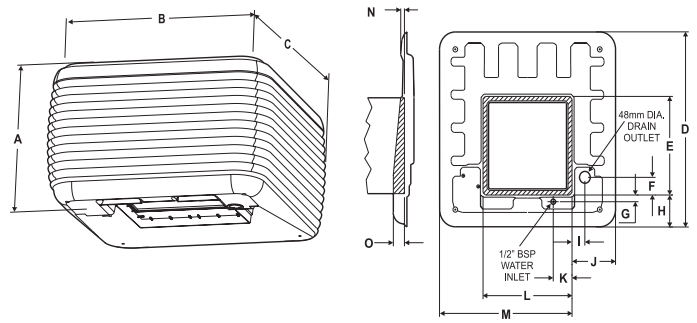


# Technical Information

Specification		EXQ 170	EXQ 210
Airflow @ 80Pa	(m <sup>3</sup> /h)	7,450	9,140
Cooling capacity*	(kW)	11.6	14.5
Power consumption (total)	Watts (max / min)	1,220 / 70	1,870 / 70
	Current max (amp)	5.8	9.0
Power supply	Voltage / Phases / Hz	220-240 / 1 / 50	220-240 / 1 / 50
Controller	Type	Digital	Digital
Fan	Type	Centrifugal	Centrifugal
	Diameter x Width (mm)	460 x 380	460 x 380
Motor	Type	Direct Drive Inverter	Direct Drive Inverter
	Speed max (rpm)	510 VAR	680 VAR
	Output Watts max	750	1,500
	Overload & Fuse	Auto reset	Auto reset
	Enclosure	IP2X	IP2X
Pump	Type	Centrifugal	Centrifugal
	Motor	Synchronous	Synchronous
	Current - rated (A)	0.25	0.25
	Flow rate (L/min)	21	21
	Voltage / Phases / Hz	230 / 1 / 50	230 / 1 / 50
	Overload	Single Shot	Single Shot
Cooling pad Chillcel	Size (mm)	800 x 635 (H) x 90 (4 pads)	800 x 635 (H) x 90 (2 pads) 800 x 635 (H) x 120 (2 pads)
	Pad area (m <sup>2</sup> )	2.03	2.03
Water	Tank capacity (L)	11	11
	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)	1160 x 1160 x 955 (H)	1160 x 1160 x 955 (H)
	Volume (m <sup>3</sup> )	1.29	1.29
	Mass (kg)	83	84
	Operating (kg)	90	91
Connecting Duct (raw edged)	Length x Width (mm)	550 x 550	550 x 550
Cabinet	Available Colours	Beige and Grey	Beige and Grey

\*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.

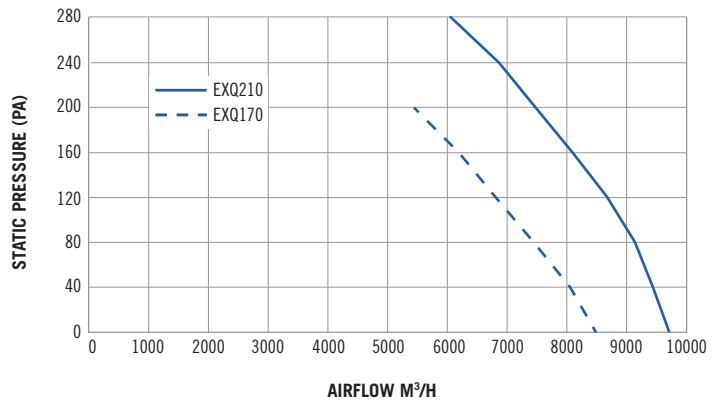
## CABINET DETAILS



Model#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
EXQ 170	860	1160	1160	1108	555	109	38	182	81	274	118	555	834	38	84
EXQ 210															

Note: All dimensions are in mm.

## FAN CURVE (M<sup>3</sup>/HR VS Pa)



Model	Standard Airflow (m <sup>3</sup> /h) (Static Pressure Pa)							
	0	40	80	120	160	200	240	280
EXQ170	8,500	8,030	7,450	6,800	6,190	5,440	-	-
EXQ210	9,900	9,540	9,140	8,600	8,060	7,490	6,840	6,120

## Cooler Discharge Air Temperature Chart

Ambient Dry Bulb Temperature °C	Ambient Relative Humidity %								
	10	20	30	40	50	60	70	80	90
	10	2.4	3.4	4.3	5.2	6.0	6.9	7.7	8.5
15	5.8	7.0	8.1	9.2	10.3	11.3	12.3	13.2	14.1
20	9.0	10.5	11.9	13.2	14.5	15.7	16.8	18.0	19.0
25	12.1	13.9	15.6	17.2	18.7	20.1	21.4	22.7	23.9
30	15.1	17.3	19.3	21.2	22.9	24.5	26.0	27.4	28.7
35	18.1	20.7	23.1	25.2	27.2	29.0	30.6	32.2	33.6
40	21.1	24.1	26.8	29.2	31.4	33.4	35.3	37.0	38.5
45	23.9	27.5	30.6	33.3	35.7	37.9	39.9	41.7	43.4
50	26.8	30.9	34.4	37.4	40.0	42.4	44.6	46.5	48.3

This chart represents approximate air temperatures based on cooling performance at sea level for the EXQ 210. From tests carried out to Australian Standard 2913.



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Information in this brochure was correct at the time of preparation. E & OE

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