

The Breezair TBQ Series **quiet cooling, optimum efficiency and unsurpassed reliability**



Introducing the advanced
MAGI@TOUCH
Next generation smart controller

THE BREEZAIR TBQ SERIES: INCREDIBLE COOLING PERFORMANCE

At Seeley International, we have invested more than 40 years designing and developing superior cooling systems. Known as a trusted leader in the industry, Seeley International is committed to product innovation. Our state-of-the-art NATA Accredited Meridian Test Laboratory allows us to conduct extensive in-house performance testing.

The Breezair TBQ series features advanced technology and a range of unique features that combine to achieve incredible cooling performance.

The TBQ550 is ideal for commercial and industrial applications; providing outstanding performance, comfort and remarkable energy efficiency, proven with over 20 years of being in the Southern African market.

- Air volume [L/s] meets industry standard rating.
- Incomparable cabinet warranty; 25-year guarantee.
- Contractor friendly to install.

BREAKTHROUGH BLACK OPAL™ MINI-CELL^ CHILLCEL® PAD TECHNOLOGY

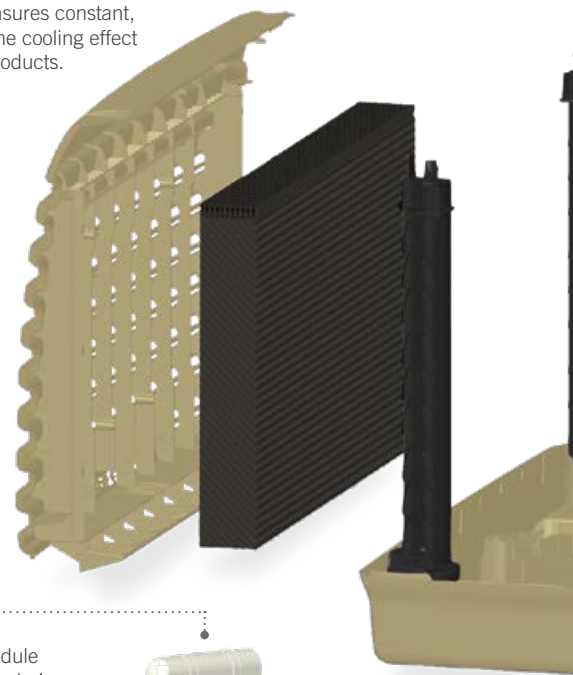
- The only evaporative cooling medium of its kind. Fully manufactured in Australia to address the harsh global climate. It's an **absolute out-performer!**
- Exclusive small cell design provides cutting-edge cooling capacity.
- Maintains our global leading Mini-Cell^ Chillcel® pad technology, which increases 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.

PERMATUF™ CORROSION-PROOF CABINET

The Breezair cabinet will not corrode or rust. The UV stabilised structural polymer material is the same type used to make battery cases and some space satellite components. Plus, it's designed to blend with any property.

EXCEPTIONAL WATER DISTRIBUTION INCREASES COOLING EFFECT

This Australian designed, world patented, free flow, non-clogging water distributor ensures constant, even pad saturation increasing the cooling effect and outperforming competitor products.



DIGITAL SMARTBOX™

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.



TORNADO® PUMP

- Exceptional reliability in extreme conditions
- Dual directional impact start motor/impeller
- Encapsulated motor with overload cut-out, stainless steel shafts and bearings are fully protected from water



OPTIONAL CONTROLLERS

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.

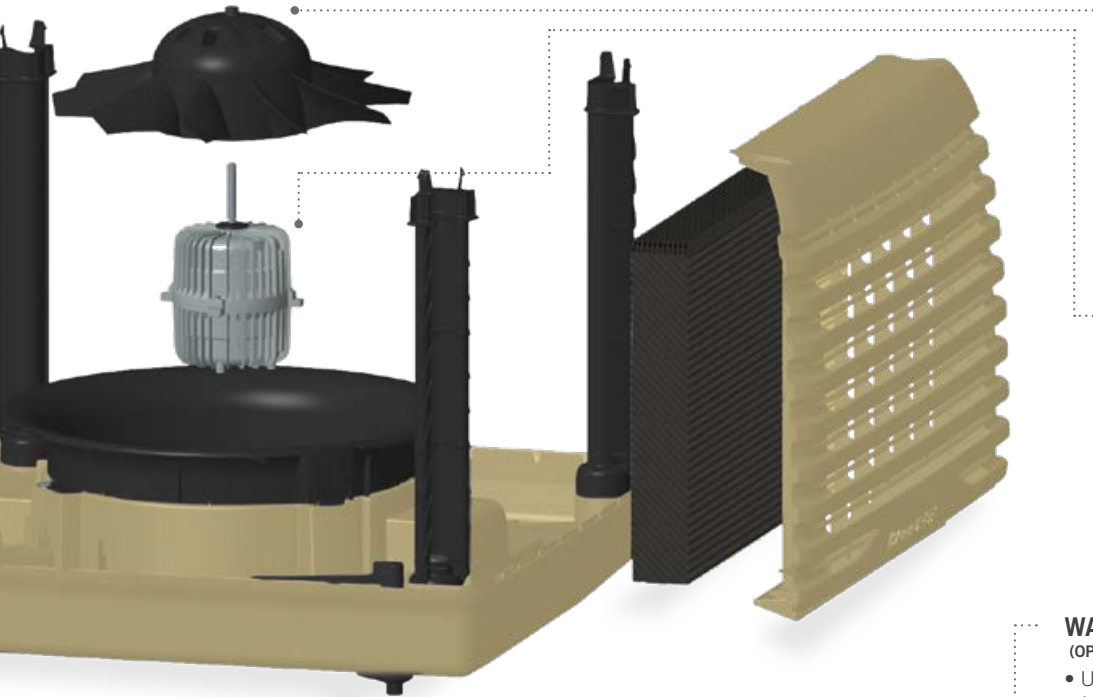




BREEZAIR GUARANTEE

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.



WHISPER QUIET STEALTH® FAN

- Advanced aerodynamic design
- Super quiet in operation
- Produces a constant, cool, quiet, refreshing breeze

TOTALLY ENCLOSED MOTOR

- Ensures long term performance and incredible reliability of your system
- Variable speed motor offers maximum control over comfort level
- Energy efficient - consumes less energy than conventional motors

WATERMANAGER™ SAVES WATER (OPTIONAL)

- Uses the minimum amount of water to achieve high efficiency cooling
- Water quality monitoring to maximise water savings



AUTO WATER DRAINING KEEPS YOUR SYSTEM CLEAN (OPTIONAL)

- Empties the reservoir automatically when system is not in use, leaving it clean and dry
- Ensures the system is operating at maximum efficiency, while using the minimum amount of water
- Helps to avoid the seasonal maintenance* as required by some other similar products

*Seasonal maintenance does not replace regular maintenance of the unit as required for peak performance.

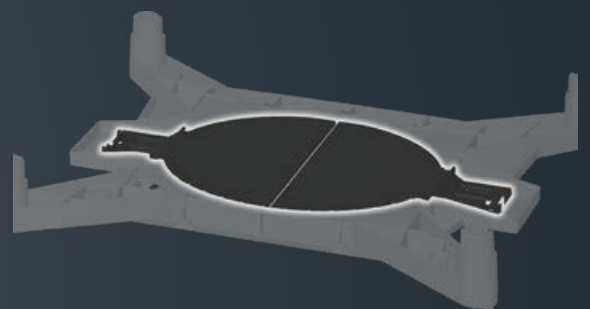
MAGIQTOUCH™ BMS CONTROL

- Optional 12Vdc power supply
- 100m communication cable
- Operate up to 60 coolers using link modules



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.



AUTO WEATHERSEAL

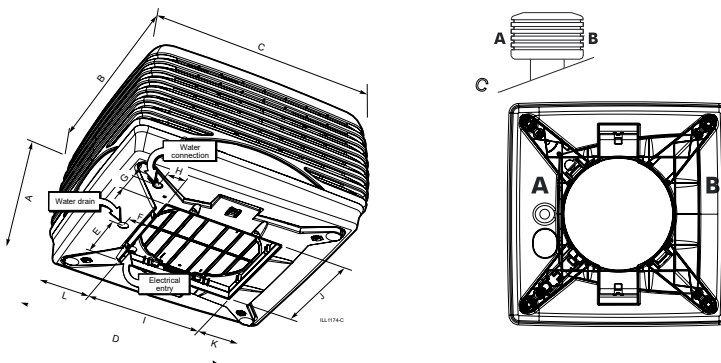
The AUTOWeatherseal closes the cooler air discharge outlet automatically, thus significantly reducing natural air currents from circulating in and out of the building. The result – a more comfortable and controlled environment.

Requires a 550mm x 550mm square raw edge connecting duct. Refer to technical specifications for more information. Be sure to talk to your installer about optional extras.

Technical Information

Specification		TBQ550
Airflow @ 80Pa	(m ³ /h)	10,120
Cooling capacity*	(kW)	14.1
Power consumption (total)	Watts (max / min)	1,220
	Current max (amp)	6.0
Power supply	Voltage / Phases / Hz	220-240 / 1 / 50
Controller	Type	Digital
Fan	Type	Axial
	Diameter - External (mm)	541
Motor	Type	PSC
	Speed max (rpm)	1,350 VAR
	Output Watts max	950
	Overload & Fuse	Auto Reset & One Shot Fuse
	Enclosure	IP24
Pump	Type	Centrifugal
	Motor	Synchronous
	Rating Watts (input)	0.25
	Flow rate (L/min)	21
	Voltage / Phases / Hz	230 / 1 / 50
Cooling pad Chillcel	Size (mm)	850 x 526 (H) x 90 (4 pads)
	Pad area (m ²)	1.79
	Enclosure rating	IPX4
Water	Tank capacity (L)	23
	Inlet (mm / inches)	12.7 / ½" male BSP
	Drain (mm / inches)	40 / 1½" male BSP
Shipping	Dimensions including pallet (mm)	1150 x 1150 x 902 (H)
	Volume (m ³)	1.20
	Mass (kg)	68
	Operating (kg)	91
Connecting Duct (raw edged)	Length x Width (mm)	550 x 550
Cabinet	Available Colours	Beige and Grey

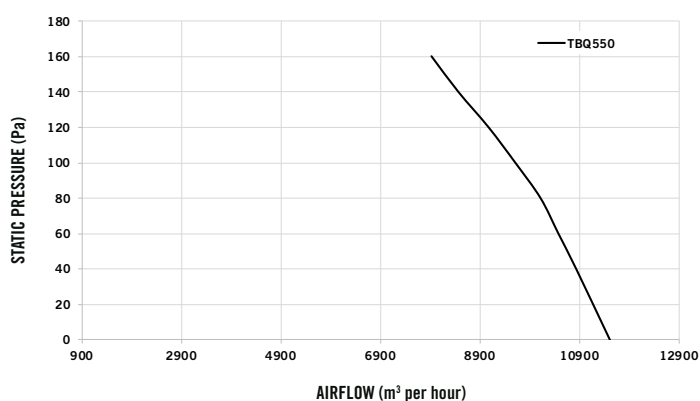
*Cooling capacity measured to Australian Standard AS2913-2000, ambient of 38°C dry bulb & 21°C wet bulb, with room exit temperature of 27.4°C.



CABINET DETAILS												
Model#	A	B	C	D	E	F	G	H	I	J	K	L
TBQ 550	835	1,150	1,150	1,080	275	95	82	82	555	555	249	279

Note: All dimensions are in mm.

FAN CURVE (m³ per hour)



Model#	Airflow m ³ /hr @ 80Pa	Motor W	Certified Air Delivery (m ³ per hour) VS. Pa				
			0	40	80	120	160
TBQ 550	10,120	950	11520	10840	10120	9070	7920

Cooler Discharge Air Temperature Chart

		Ambient Relative Humidity %								
		10	20	30	40	50	60	70	80	90
Ambient Dry Bulb Temperature °C	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.