



**COMMERCIAL
& INDUSTRIAL**
Evaporative Air
Conditioning Systems

World leading climate control solutions



Australian designed, made and owned!

Built by Australians, for an Australian climate. Seeley International is proudly a 100% Australian owned company, designing and manufacturing world-leading commercial air conditioning solutions for Australia and the world. As Australia's largest air conditioning manufacturer, we are a global leader in developing ingenious, energy-efficient cooling and heating products.

Being made in Australia, you can rely on consistency of supply, build quality, availability of parts and after sales service. We're dedicated to strengthening the Australian economy, supporting local employment and building on the skills of our workforce.



AIRA

By SEELEY INTERNATIONAL
Commercial evaporative air conditioners, heaters & HCV

The Climate Wizard

By SEELEY INTERNATIONAL
Hyper-efficient indirect evaporative air conditioners

Braemar
By SEELEY INTERNATIONAL

Refrigerated air conditioning range including VRF (heat pump and heat recovery) industrial & commercial evaporative air conditioners

Award Winning Company

Seeley International consistently wins awards for new product design, innovation and environmental friendliness. These awards include:



Evaporative Cooling for Commercial & Industrial HVAC Applications

Evaporative cooling for commercial or industrial cooling applications, also known as adiabatic cooling, is a technology that provides cost-effective cooling for large open spaces with 100% fresh, cool, outside air to buildings without the recirculation of inside air. This fresh air ventilation creates a positive air pressure in the space, allowing efficient cooling even when doors and windows are open.

Direct evaporative coolers supply 100% continuous fresh, filtered outside air, improving ventilation rates while reducing **CO₂** and **VOC** levels to provide superior **Indoor Air Quality (IAQ)** for building occupants.



100% continuous, fresh, cool, filtered outside air - delivering improved Indoor Air Quality



Up to 80% energy savings compared to refrigerated VRF systems performing the same duty



Natural refrigerant (R-718): no synthetic refrigerants or chemicals that harm the environment.

Evaporative Cooling Applications

Evaporative air conditioning has a wide range of commercial cooling applications

Evaporative air conditioners excel at **efficiently cooling large open spaces** and have a wide range of commercial cooling applications. Providing **superior indoor air quality** for building occupants, evaporative cooling supplies 100% continuous, fresh, filtered outside air, improving ventilation rates and lowering CO₂ and VOC levels.



Residential & Accommodation



Sport & Leisure Centres



Education Facilities



Agriculture & Propagation



Commercial Kitchens



Warehouse & Factories



Retail & Supermarkets

Evaporative air conditioning is a low cost cooling solution, **well suited to cooling factories, warehouses, sporting facilities and gymnasiums, schools, and large format retail**. It provides cooling while using up to 80% less energy than refrigerated systems, which is especially useful in high-traffic areas where doors are frequently opening and closing.

Why Braemar evaporative air conditioning for commercial and industrial use?



More than 40 years history in the commercial and industrial sector



Australia's number one choice for heavy industrial and commercial cooling



Suits any application, proven performer from small workshops to world's largest plants



The preferred choice of mechanical services contractors, engineers, architects and specifiers



Known for unmatched reliability, outstanding performance and cost effectiveness



Low maintenance and running costs year after year

Black Magic™ Mini-Cell^ Chillcel® Pad Technology!

Dramatic improvement in cooling efficiency

Our revolutionary **Black Magic™ 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

Controller Options

Switch plate controller

- Operate one cooler from an easy to use switch plate
- Option to extend this up to a maximum length of 100m
- MagIQtouch Switchplate optional with RPCQi
- Easy interface to single speed exhaust canopy



Compatible with RPA / RPB



Compatible with RPCQi

MagIQcool® controller

- Operate one cooler from an easy to use, wall mounted thermostat controller
- Each cooler comes supplied with 20m wiring loom
- Compatible with RPCQi



MagIQtouch® controller

- Modbus capable
- Easy operating process due to in-built Installation Wizard
- Each cooler comes supplied with 20m wiring loom
- Option to extend this up to a maximum length of 40m
- Operate up to 60 coolers (total loom length can be up to 500m from a single MagIQtouch® controller).
- Operate Braemar ducted gas heating and Braemar cooling from the same MagIQtouch® controller
- Compatible with RPCQi



MagIQtouch® Radio Frequency controller

Use the latest in Radio Frequency (RF) channel hopping technology with no need for wiring.

MagIQtouch® BMS

Industrial controller/interface - MS1 and M1

- Easy interface to variable or multi speed exhaust canopies
- Interface to BMS Systems



MS1



M1

MAGIQTOUCH® Wi-Fi SMART APP*

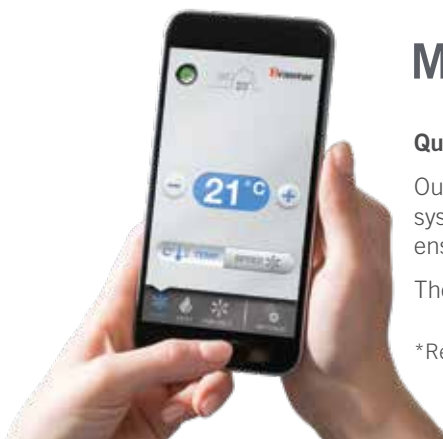
Quick and efficient climate control directly from your mobile device.

Our Wi-Fi smart app enables you to have full control of your HVAC system from your mobile device. You now don't need to be on-site to ensure that your temperature needs are met.

The smart app is free and available for download on your smartphone.

*Requires MagIQtouch® wall control, MagIQtouch® Wi-Fi smart kit and MagIQtouch® account to operate.

Available for download now on iOS and Android



RPCQi Series



For small to medium commercial and light industrial cooling applications

No belts and pulleys - easy maintenance

90mm pads improve cooling performance and saturation



Cabinet

- Constructed from powder coated marine grade aluminium for strength and durability.
- Well suited for direct on-duct mounting for economical and unobtrusive down discharge installations.
- Bottom, side and top discharge available on all units.



Fan wheel

- Double inlet, multi-blade, forward curve, centrifugal type.
- Constructed from polypropylene, the wheel is statically balanced.



Fan motors

- Efficient and quiet direct drive inverter motor - allowing for easy commissioning.



Water management

- Water reservoir is moulded in structural polymer to guarantee a long, corrosion-free life, and ease of service.
- Patented water distributor maximises cooling efficiency by ensuring a continuous and balanced flow of water across the cooling pads.
- Industry standard connections (15mm BSP) make installation quick and easy.



Optional extras

- Controller options: MaglQtouch® controller, MaglQtouch® Radio Frequency controller, BMS compatibility, Wi-Fi compatibility*, air sensor and link module are all optional upgrades.
- Choice of Aspen (150 Model only) or BlackMagic™ Chillcel®.
- Unit supplied standard in grey. A range of custom colours are available for bulk orders.
- WaterManager™ system ensures optimum machine life with minimum maintenance.

		RPCQi75 Black Magic™ Chillcel®			RPCQi150 Black Magic™ Chillcel®			RPCQi150 Aspen		
Discharge	Discharge Type	Down	Side	Top	Down	Side	Top	Down	Side	Top
Airflow capacity	@ 0Pa (L/sec)	2400			2740			2740		
	@ 80Pa (L/sec)	2100			2530			2530		
Pad	Quantity	4	3	4	4	3	4	4	3	4
Fan motor¹	kW / Current (Amps)	0.75 / 5.8 / 1			1.5 / 9.0 / 1			1.5 / 9.0 / 1		
Control type	Multiple control options available - refer to page 5									
Dimensions	H x W x D (mm)	1190 x 1150 x 1150								
Weight (kg)	Operating / Shipping	135/113	130/108	138/116	136/114	131/109	139/117	130/108	127/105	133/111

*Requires MaglQtouch® wall control and MaglQtouch® Wi-Fi smart kit to operate.

¹Motor Capacities may vary due to manufacturer's/supplier's specification changes

RPA Series



Ideal for medium to large installations
Single and three-phase models available
Quick and easy installation



Cabinet

- Constructed from marine grade aluminium for longevity and strength.
- Available in down, side and top discharge configurations (RPA500 – down discharge only).
- Crane lifting lugs included for easy installation.



Fan wheel

- The fan wheel is double inlet, multi-blade, forward curve, centrifugal type.
- Constructed from galvanised steel, the wheel is statically balanced.
- The blower shaft is resilient, mounted in metal housing with self-aligning, single row ball bearings.



Water management

- Water reservoir is moulded in structural polymer to guarantee a long, corrosion-free life, and ease of service.
- Industry standard connections (15mm BSP) make installation quick and easy.



Fan motors

- Tropic proof two speed motors fitted as standard.
- Three phase coolers have manual re-set overload for added safety.
- Single phase coolers (RPA320) use resilient mounting.



Optional extras

- Automatic water dumping feature.
- Stainless steel cabinet option.
- Onsite, adjustable roof stand.

		RPA320	RPA400	RPA450	RPA500
Discharge	Discharge Type	Down, Side & Top	Down, Side & Top	Down, Side & Top	Down
Dimensions	Height x Width x Depth (mm)	1185 x 1202 x 1202			
	Number of pads	3	3	3	4
Airflow capacity	@ 0Pa ¹ (L/sec)	3180	3940	4730	4840
	@ 80Pa (L/sec)	2702	3580	4138	4485 ²
Fan motor ³	kW	1.1	2.2	3.0	3.0
	Phase/current (Amps)	1/7.1	3/4.9	3/6.4	3/6.4
Weight (kg)	Operating / Shipping	190/140	195/145	200/150	200/150
Controller type		2 Speed Wall Switch			

¹Airflow at 0 Pa for unit comparison only, units are designed to connect to ductwork. ²Airflow at 120 Pa.

³Motor Capacities may vary due to manufacturer's/supplier's specification changes.

RPB Series



Ideal for medium to very large installations

Designed to stand the test of time

Easy maintenance and serviceability



Cabinet

- Constructed from marine grade aluminium, incorporating channel section corner pillars, mounted on a heavy gauge base frame for structural stability.
- Numerous components are powder coated for extra corrosion protection.
- Available in down, side and top discharge.
- Crane lifting lugs included for easy installation.



Fan wheel

- The fan wheel is double inlet, multi-blade, forward curve, centrifugal type.
- The blower shaft on the RPB1200 to 1800 models is mounted in plummer blocks with self-aligning, single row ball bearings.
- RPB600-1000 models have a stainless steel shaft. Mounted in metal housing with self-aligning single row ball bearings.



Water management

- Water reservoir is moulded in structural polymer to guarantee a long, corrosion-free life, and ease of service.
- Enhanced water distribution ensures an even water distribution and improved efficiency.
- Industry standard connections (15mm BSP) make installation quick and easy.



Fan motors

- Tropic proof two speed motors fitted as standard.
- All coolers are three phase and have manual re-set overload for added safety.



Optional extras

- Automatic water dumping feature.
- Onsite, adjustable roof stand.

		RPB600	RPB700	RPB900	RPB1000	RPB1200	RPB1300	RPB1400	RPB1500	RPB1800	
Discharge	Discharge Type	Down, Side & Top	Down, Side & Top	Down, Side & Top	Down & Top	Down, Side & Top	Down, Side & Top	Down, Side & Top	Down, Side & Top	Down & Top	Side
Airflow capacity	@ 0Pa ¹ (L/sec)	5860	7200	8810	9890	11470	12750	14080	15050	17690	16300
	@ 120Pa (L/sec)	5050	5850	7450	8450	10050	11500	12950	14050	16650	15100
Fan Motor ²	kW	3.0	3.0	5.5	7.5	5.5	7.5	7.5	11.0	15.0	15.0
	Phase / Current (Amps)	3/6.4	3/6.4	3/11.2	3/14.6	3/11.2	3/14.6	3/14.6	3/21.6	3/27.4	3/27.4
Control Type		2 Speed Wall Switch									
Dimensions	H x W x D (mm)	1510 x 1520 x 1520					1855 x 2030 x 2030				
Pad	Quantity	12	12	12	16	12	12	12	12	16	12
Weight	Operating / Shipping (kg)	330/295	330/295	366/331	411/376	475/415	517/447	527/468	538/468	573/513	561/501

¹Airflow at 0 Pa for unit comparison only, units are designed to connect to ductwork.

²Motor capacities may vary due to manufacturer's / supplier's specification changes.

EA Series



Reliable, durable cooling
 Available in a range of sizes and output configurations
 Ideal for smaller commercial and light industrial cooling



Cabinet

- Moulded from UV stabilised structural polymer for long lasting corrosion free performance.
- Down and side configuration is available on most models.
- Down discharge is ideal for direct on-duct mounting, providing very economical installations.



Fan wheel

- Centrifugal design for maximum performance, moulded from polypropylene.
- Mounted on an aluminium shaft within a moulded polypropylene housing, ensuring long trouble free service.



Fan motors

- Tropic proof two speed single phase resilient mounted motors are used for quiet operation.



Water management

- Water reservoir is moulded in structural polymer to guarantee a long, corrosion-free life, and ease of service.
- Industry standard connections (15mm BSP) make installation quick and easy.



Optional extras

- Automatic water dumping feature.
- Off-season weather covers.

		EA90		EA120			EA150
Discharge	Discharge Type	Side	Down	Down	Top	Side	Down
Airflow capacity at free discharge	High Speed (L/sec)	1780	1920	2550	2550	2475	3150
Fan motor ¹	Watts	550		750			1.5 kW
	Phase / Current (Amps)	1/3.6		1/5.4			1/8.6
Control type		Includes 2 speed					
Dimensions	H x W x D (mm)	760 x 1005 x 945			1060 x 1005 x 945		
Weight	Operating / Shipping (kg)	98/72		95/82	106/82		100/88

¹Motor Capacities may vary due to manufacturer's/supplier's specification changes.



Mobile evaporative cooler that rolls wherever it's needed

Easy maintenance



Mobile cabinet

- Made from ultra-tough polymer, so it's both lightweight and very durable.
- Has built-in wheels - rear wheels swivel and have brakes.
- Easy to move around your workplace.



Super quiet and efficient fan motor

- Patented lightweight centrifugal fan delivers a steady stream of cool fresh air with minimal noise.
- Ideal for commercial and industrial applications due to greater flexibility with each installation.
- Ability to regulate the speed of the fan depending on the requirements.



Water management

- Ensures peak efficiency even under the harshest conditions.
- Option to switch off the water pump in order to circulate fresh air only.



Easy maintenance

- Long lasting filter pads are easily removed and are simply washed in clean water in just minutes.
- Large capacity tank has an easy to use drain plug for tank flushing and cleaning.

		Mobile120
Dimensions	Height x Width x Depth (mm)	1360x1080x1010
Weight	Shipping (kg)	95.5
Fan motor	W	750
Typical floor area ¹	m ²	120

¹Estimated floor area for space cooling (2.4m ceiling) or suitable for commercial spot cooling for special applications.

Auto Drain Kit

Easy to install

Controls salinity in the cooler - decreases aging of pads



Features

- Designed to monitor and control the quality of the water in the cooler's tank - only draining the water when the system really needs to.
- Low water usage, as the frequency at which the water drains is determined by the quality of the water in the tank.
- Salinity probe measures the water's salinity and tests for any impurities - maintaining fresh clean water in the system at all times.
- Smart draining system dependent on water quality, temperature, humidity, fan speed and the size of the unit.



Roof Stands

Easy to install

Modular design – save on freight costs

Flexible – suits 0-10° roof pitches

Compatible with:

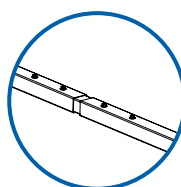
Braemar RPA Series, Braemar RPB Series and **Climate Wizard (CW-H10 and CW-H15)**

Can be modified to suit any commercial and industrial cooler



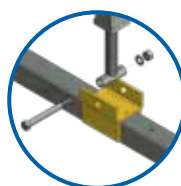
Features

- Versatile and can be installed in minutes.
- Stands can be carried onto roofs in pieces, reducing costly cranaage.
- Can be installed prior to coolers arriving on site.
- No roof penetrations, therefore maintaining the water-tightness and integrity of the roof.
- Can be used on any roof style; the load of the cooler is spread over a larger area with the use of channels.
- Rust resistant construction.
- Occupational Health & Safety plays a major part in industry. Braemar Roof Stands can assist in minimising work-related injuries and accidents.



Adjustable cross-members

- Fully adjustable supporting legs allow total flexibility.
- On site adjustability reduces labour.



Adjustable legs

- Threaded T piece allows for angle adjustment of stand.
- Mounting beams distribute load over three purlins.



BREEZAIR

Ducted Evaporative Air Conditioning

BRAEMAR

Ducted Evaporative Air Conditioning | Ducted Gas Heating
Reverse Cycle Air Conditioning | Gas Wall Furnaces and Space Heaters

THE CLIMATE WIZARD

Indirect Evaporative Air Conditioning

COOLAIR

Ducted Evaporative Air Conditioning

COOLERADO

Indirect Evaporative Air Conditioning

AIRA

Direct Evaporative Air Conditioning | Ducted Gas Heating
Commercial Gas Space Heating

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



FS 605002

Cat No M396 REV I (1023)