

COMMERCIAL & INDUSTRIAL

Evaporative Air
Conditioning Systems





World leading climate control solutions

Seeley International is Australia's largest air conditioning manufacturer and a global leader in developing ingenious, energy-efficient cooling and heating products.

Award Winning Company

Seeley International consistently wins awards each year for new product design, innovation and the environment.

Recent awards include:



AIRA

By SEELEY INTERNATIONAL

Commercial air conditioners, heaters & HCV

INTEGRATED COMFORT INC.

By SEELEY INTERNATIONAL

Dual Cool® Patented Dual Evaporative pre-cooling products

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

Coolerado

By SEELEY INTERNATIONAL

Compact, modular indirect evaporative air conditioners

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



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

Switch plate controller

- Operate one cooler from an easy to use switch plate
- The switch plate comes with 20m wiring loom
- Option to extend this up to a maximum length of 100m
- MagIQtouch Switchplate optional with RPCQi



MagIQcool™ controller

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



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 must be 500m from a single MagIQtouch® controller).
- Operate Braemar ducted gas heating and Braemar cooling from the same MagIQtouch® controller



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



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.

Available for download now
on iOS and Android



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



Impressive evaporative cooling capacity

Specifically designed for large spaces, new property developments and architectural projects where looks and street appeal are important.



Cabinet

- Low-profile and unobtrusive on any roof (ideal where the zoning regulations require roof mounted equipment and services to be located behind parapet walls).
- Lightweight construction, therefore cheaper to install and suitable for all roof structures.



Fan motors

- The ENV1000 uses three fully enclosed state-of-the-art inverter drive motors ensure the utmost safety and longevity.
- The ENV600 features three Invertair™ inverter motors - using far less energy than a standard fan and motor.



Water connection

- Industry standard connections (½ inch BSP) make installation quick and easy.



Axial fans

- The ENV1000 uses three axial fan modules in conjunction with venturis and turning vanes which reduce power consumption and minimise noise.
- The ENV600 uses three SuperStealth® axial fans - specifically designed to be more energy efficient and even quieter than standard evaporative units.



Cooling capacity

- Revolutionary Mini-Cell® Chillcel® cooling pads further increase the superior cooling capacity.



Water management

- WaterManager™ system ensures optimum machine life with minimum maintenance.
- Features the reliable Tornado® water pump.
- Patented water distributor maximises cooling efficiency by ensuring a continuous and balanced flow of water across the cooling pads.



Optional extras

- Option of 1Ø or 3Ø power supply (ENV600).
- Onsite, adjustable roof stand.
- Optional Upgrades: MaglQtouch® controller, MaglQtouch® Radio Frequency controller, BMS compatibility, Wi-Fi compatibility*, air sensor and link module.

		ENV600	ENV1000
Discharge	Discharge Type	Down	
Airflow capacity at free discharge	L/s @ 80Pa	4940	9140
Fan Motor x3	kW	0.43 each motor	1.5 each motor
	Phase / Current (Amp)	1/3.2	3/2.8
Control Type		Multiple control options available - refer to page 4. Water bleed system.	
Dimensions	H x W x D (mm)	890 x 1935 x 2150	1275 x 1935 x 2150
Weight	Operating / Shipping (kg)	265 / 190	315 / 240

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

RPCQi Series



For small – 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 standard 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

- Rotational moulded in polyethylene to provide corrosion free long life.
- Patented water distributor maximises cooling efficiency by ensuring a continuous and balanced flow of water across the cooling pads.
- Industry standard connections (½ inch BSP) make installation quick and easy.



Optional extras

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

		RPCQi75 Black Magic™ Chillcel™		RPCQi150 Black Magic™ Chillcel™		RPCQi75 Aspen		RPCQi150 Aspen	
Discharge	Discharge Type	Down & Top	Side	Down & Top	Side	Down & Top	Side	Down & Top	Side
Airflow capacity at 80Pa	High Speed (L/sec)	2130		2560		2120	2070	2500	2530
Fan motor	kW / Current (Amps)	0.75 / 5.8		1.5 / 9.0		0.75 / 5.8		1.5 / 9.0	
Control type	Multiple control options available - refer to page 4. Water bleed system.								
Dimensions	H x W x D (mm)	1170 x 1170 x 1120							
Weight	Operating / Shipping (kg)	70 / 118							

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

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

- Rotational moulded in polyethylene to provide corrosion free long life and durability.
- Industry standard connections (½ inch 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 (RPA400) use resilient mounting.



Optional extras

- Automatic water dumping feature.
- Stainless steel cabinet option.
- Onsite, adjustable roof stand.
- Off-season weather covers.

		RPA400	RPA450	RPA500
Dimensions	Height x Width x Depth (mm)	1174 x 1146 x 1146		
Airflow capacity	High Speed (L/sec)	4100	4420	4760
	Low Speed (L/sec)	2500	2920	3050
Fan motor	kW	1.1	2.5	2.5
	Phase/current (Amps)	1/7.1	3/4.3	3/4.3
Controller type	All coolers available with 2 speed controller			

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 commission.



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

- Rotational moulded in polyethylene to provide corrosion free long life and durability.
- Enhanced water distribution ensures an even water distribution and improved efficiency.
- Industry standard connections (½ inch 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.
- Off-season weather covers.

		RPB600	RPB700	RPB900	RPB1000	RPB1200	RPB1300	RPB1400	RPB1500	RPB1800	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	High Speed (L/sec)	5860	7200	8810	9890	11470	12750	14080	15050	17690	16300
	Low Speed (L/sec)	3900	6000	6000	6625	7700	8545	9435	10005	12052	11890
Fan Motor*	KW	3.0	3.0	5.5	7.5	5.5	7.5	7.5	11.0	15.0	15.0
	Phase / Current (Amps)	3/5.0	3/8.5	3/8.5	3/15.5	3/8.5	3/11.7	3/16.2	3/18.5	3/26	3/26
Control Type		Includes 2 speed controller and water bleed system									
Dimensions	H x W x D (mm)	1510 x 1520 x 1520					1855 x 2030 x 2030				
Weight	Operating / Shipping (kg)	295 / 330	295 / 330	331 / 366	376 / 411	415 / 475	447 / 517	457 / 527	468 / 538	513 / 573	501 / 561

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

EA Series



Reliable corrosion-free 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.
- The down discharge cooler (EA150) is ideal for direct on-duct mounting providing very economical installations.



Fan wheel

- Centrifugal design for maximum performance, moulded from polypropylene.
- Mounted on a stainless steel 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

- Moulded in structural polymer to guarantee a long, corrosion-free life, and ease of service.
- Industry standard connections (½ inch 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)	1531	1630	2270	2270	2220	2860
Fan motor*	Watts	550		750			1.5 kW
	Phase / Current (Amps)	1/3.6		1/5.4			1/8.6
Control type	Includes 2 speed controller and water bleed system						
Dimensions	H x W x D (mm)	885 x 1005 x 945		1185 x 1005 x 945			
Weight	Operating / Shipping (kg)	98 / 72		95 / 82	106 / 82		100 / 88



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*	m ²	120

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

Accessories

Auto Drain Kit

Easy to install

Controls salinity in cooler - prevents 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

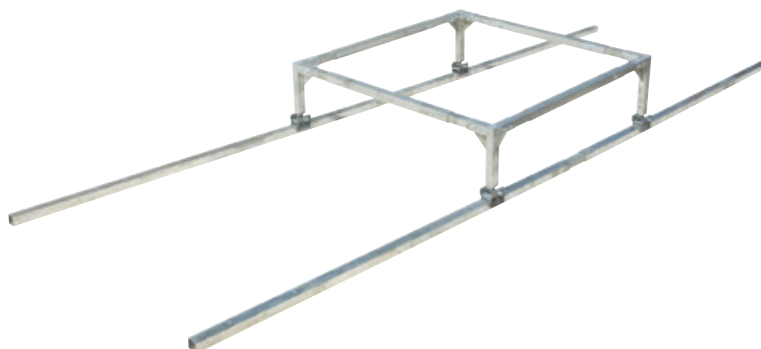
Modular design – save on freight costs

Flexible – suits 0-10° roof pitches

Compatible with:

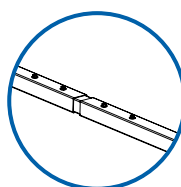
Braemar RPA Series, Braemar RPB Series and **Climate Wizard** (CW-H10 and CW-H15)

Can be modified to suit any commercial and industrial cooler



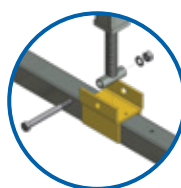
Features

- Versatile and can be installed in minutes.
- Stands can be carried onto roofs in pieces, reducing costly crantage.
- 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 bigger 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.
- Easily disassembled for maintenance or repairs.



Adjustable legs

- Threaded T piece allows for angle adjustment of stand.
- Mounting beams distribute load over three purlins.
- Upright – two mounting hole locations provide greater angle variations.



BREEZAIR

Ducted Evaporative Air Conditioning

BRAEMAR

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

CLIMATE WIZARD

Indirect Evaporative Air Conditioning

CONVAIR

Portable Air Conditioning

COOLAIR

Ducted Evaporative Air Conditioning

COOLERADO

Indirect Evaporative Air Conditioning

AIRA

Direct and Indirect Evaporative Air Conditioning | Ducted Gas Heating
Commercial Gas Space Heating | Energy Recovery Systems

INTEGRATED COMFORT INCORPORATED (ICI)

Dual Cool® Patented Dual Evaporative pre-cooling products

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

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