

Come home to **Braemar**<sup>®</sup>  
HEATING COOLING

Paradigm Series  
Evaporative

Air Conditioning

The coolest granddad  
in the world.



# COMFORT FOR THE WHOLE FAMILY

It's the middle of a relentless heat wave.

Older children struggle to concentrate on their homework. Tiny tots toss and turn, unable to sleep. And in the morning, everyone drags themselves from their hot beds, desperate for a decent night's sleep.

But, it doesn't have to be that way. You can rescue your family from oppressive heat. The solution is as simple as a Braemar evaporative air conditioning system.

At the push of a button, you can provide your family with instant relief - fresh, cool, air, flowing freely throughout your entire home.

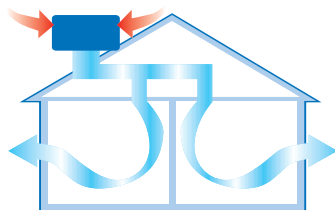
Unlike refrigerated or reverse-cycle air conditioning that re-cycles the same stale old air around closed up rooms, Braemar operates with windows and doors wide open. Stale, hot air is ejected outdoors.

With a Braemar system in place, the air in your home is replaced with fresh, cool, filtered air at least every two minutes. Which makes Braemar evaporative air conditioning the ideal choice for families who are concerned about general health, allergy and asthma issues\*.

Thanks to you, your family is in the comfort zone. While the rest of the world battles the relentless heat of summer, your family can carry on in fresh, cool, healthy comfort.

## THE BENEFITS OF EVAPORATIVE

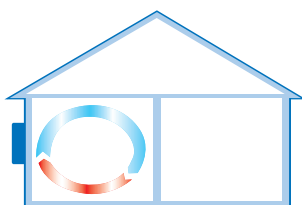
- Introduces 100% fresh air.
- Windows & doors can be left open.
- Keeps air moist – great for allergy and asthmatic conditions\*.
- Greatly reduces the costs of staying cool.



- Ensures full ventilation – exhausts odours and stale air.
- Increases cooling capacity as outside temperatures rise.
- Offers low purchase & installation cost.

## THE PROBLEMS WITH REFRIGERATIVE

- Recirculates same stale air.
- Windows & doors must be shut.
- Dries the air which can be bad for many, including asthma and allergy sufferers\*.
- Increased energy costs.

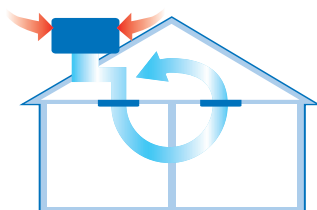


- Recirculates air that can contain dust and pollutants.
- Uses much more power as temperature rises.
- Comes with higher purchase & installation costs.

## ENJOY GREATER HOME SECURITY

For your Braemar evaporative system to operate at peak efficiency, air must flow from inside your home to the outside. Normally, this means opening windows and doors.

However, if you'd prefer that windows and doors remain shut, you can install optional security vents.



These unobtrusive ceiling vents allow fresh cool air to flow throughout your home as if your doors and windows were wide open. Airflow simply passes up through the security vents to the outside world via the roof space.

The bonus of course, is that your roof space also cools down, making the rooms below even cooler.

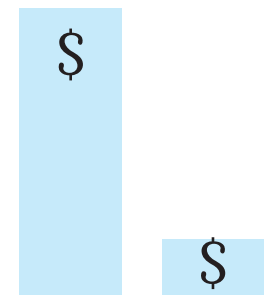
\*Refer to your medical practitioner for information regarding your condition.

# BRAEMAR<sup>®</sup> IS EASY ON YOUR POCKET

A Braemar evaporative air conditioner is without doubt, the most cost efficient way to cool your home. Unlike refrigerated and reverse cycle systems, a Braemar evaporative won't send your electricity bill skyrocketing every time you turn it on. In fact, a Braemar evaporative system only uses up to 1/8th the power of other systems. That can add up to hundreds of dollars every year.

Remember too, that a Braemar evaporative system costs much less to install than other ducted refrigerative or reverse cycle systems.

## BRAEMAR<sup>®</sup> VERSUS REFRIGERATIVE COST FOR OPERATION



REFRIGERATED EVAPORATIVE  
\*Based on average Adelaide conditions for a 160sqm home with insulation.

## BRAEMAR<sup>®</sup> VERSUS REFRIGERATIVE COST OF RUNNING COMPARISON

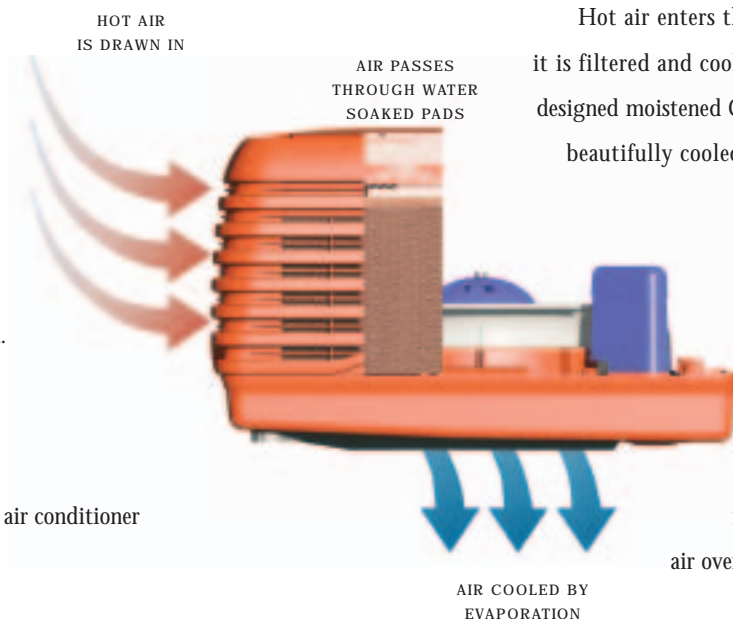
HOURS PER DAY OPERATION	POWER SAVINGS PER QUARTER
3 hours per day	\$122
6 hours per day	\$244
12 hours per day	\$488
18 hours per day	\$732

Based on average Adelaide Summer with power at \$0.15c per kWh in a 3 bedroom insulated home. With a power usage of 52.2c/hour with refrigerated and 6.7c per hour for evaporative.

## EVAPORATIVE COOLING - HOW DOES IT WORK?

Ever wondered why you feel cooler by the ocean, a river or when standing on a damp lawn? Well, you feel cooler because as hot air blows across the water, it causes some of the water to evaporate and absorb the heat. The air is cooled by this evaporation process and so, becomes a "sea" breeze.

A Braemar evaporative air conditioner works the same way.



Hot air enters the cooling unit on your roof where it is filtered and cooled as it passes through specially designed moistened Chillcel pads. A fan then blows this beautifully cooled air throughout your home.

Hot air in the house is forced out through open windows and doors. This totally natural process gives your entire home a complete change of air at least every two minutes. Unlike refrigerated systems that recycle the same stale air over and over.



Some kids pass their  
exams comfortably.

A soft, warm-toned photograph of a child and a piggy bank sleeping peacefully in a bed. The child is on the right, and the piggy bank is in the middle. A yellow teddy bear with a red letter 'B' is on the left. A square air vent is visible on the ceiling above them. The overall mood is cozy and intimate.

Love is in the air.

# BRAEMAR<sup>®</sup> COOLS WHOLE HOMES NOT JUST ROOMS

Braemar's evaporative coolers offer many advantages. One of the most impressive, is that it cools your entire home at the same time. During a heat wave, you're not confined to a section of your home as you are with a refrigerated wall unit or split system.

With Braemar, it's cool in every room of the house, day and night. Family life just carries on as normal no matter how hot it is outside. Everyone can play by day and sleep at night in cool comfort.

## BRAEMAR<sup>®</sup> SUPERIOR DESIGN LOW PROFILE AND GOOD LOOKS

The Braemar Paradigm Series is clean, simple and modern. The cooling units have been designed to blend into your roofline, not just sit on it.

Injection moulded from specially developed Permatuf<sup>®</sup> polymer, your Braemar won't rust, is UV resistant and will stand up to the harshest extremes of climate, year after year.

Choose from 4 designer colours, specially created to suit heritage and modern homes alike.



## ADD VALUE TO YOUR HOME

An evaporative air conditioning system can cool your home more efficiently than any other system. However, a Braemar evaporative system can also add considerable value to your home for the simple reason that the name Braemar has long been synonymous with quality.

The kind of quality that will serve you well for many years to come. And if you ever decide to sell, it's a quality that will make selling your home all that much easier.

# FEATURES

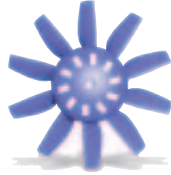
## Tornado® pump

Braemar's Tornado water pump provides exceptional reliability in the most extreme conditions.



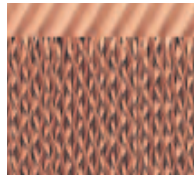
## Stealth® fan

Braemar's state of the art, Stealth fan is super quiet in operation and ensures a constant, even flow of air through the Chillcel pads. The advanced aerodynamic design uses only a small amount of energy to produce a constant, welcoming breeze.



## Chillcel® pads

Made from a special cellulose material, these long-life pads were tested by the CSIRO to help establish maximum saturation levels and therefore, maximum cooling efficiency. The pads are essentially self-cleaning - dust and pollen is captured on the pads and then washed away into the sump below by the flow of water.



## Free-flow water distributor

A world patented water distribution system delivers continuous, even water coverage to the Chillcel pads, ensuring maximum cooling effect.



## Totally enclosed Tropic proof motor

The Braemar unit is second to none in design and manufacture. As the heart of the unit, the totally enclosed tropic proof motor has been put through rigorous performance tests to ensure longer term performance and incredible reliability. Being variable speed, the motor gives you maximum control over your family's comfort level.



## Automatic drain valve

Your Braemar system doesn't require costly and time consuming seasonal maintenance\* at the beginning and end of each season because your unit is fitted with an automatic drain valve. This specially programmed valve keeps your cooling system clean and operating at maximum efficiency, while using the minimum amount of water. During warmer weather dust and airborne impurities may get into your system. That's when the valve automatically drains stale water from the reservoir when necessary, replacing it with clean, fresh water.



When your system is not in use, the valve automatically empties the reservoir, leaving it clean and dry.

\*Seasonal maintenance is the time consuming routine required by some other units. Ask your dealer for a complete rundown. Seasonal maintenance does not replace regular maintenance of the unit as required for peak performance.

## AUTOWinterseal™

This Braemar feature makes life so much easier. Whenever the system is not in use, the AUTOWinterseal automatically closes off the air conditioning ducts.



This prevents dust and unpleasant odours from entering the house while preventing cold draughts and heat loss in winter.

## WATERmanager™ system

This unique feature keeps the system clean and ensures you save precious water by minimising water loss through dumping. This is achieved by constantly measuring the salinity of water in the tank and dumping it only when needed, to ensure a clean and efficient operation.



This means you will not waste water like other evaporative systems, and you can save over 9,000 litres compared to a basic bleed system, which will save you lots of money as well as water.

Stop your kids  
going on the war path  
during summer.



## CONTROL OPTIONS

The Braemar Paradigm Series wall controller puts climate control at your fingertips. It's so easy to use. You set the comfort level you want on the controller, the Braemar unit does the rest.

You can choose from four different control modes to control your home the way you want.

**Auto:** In Auto mode, the system monitors room temperature and automatically increases or decreases fan speed to maintain your selected cooling level.



**Manual:** This mode allows you to determine the fan speed you want. Increase it for greater cooling effect. Turn it down as the day cools down.

**Timer:** Use this mode to program the system to switch on or off at any time over a 24 hour period.

**Fan:** Fan mode allows you to use the system as a ventilator. When a cool change arrives, turn on the fan only and pump Mother Nature's cool change through your home.

## PROTECTING YOUR FAMILY

Whenever news services highlight outbreaks of Legionnaires' Disease associated with an air conditioning system, they fail to make one very important fact clear: Legionnaires' Disease is NOT a hazard with wet pad, dry sump evaporative cooling systems such as Braemar's Paradigm Series.

**These are the facts:**

- Legionella bacteria can be found everywhere in nature at mostly harmless levels.
- To become dangerous, the bacteria require, among other things, a water temperature of about 37°C or more.
- An evaporative cooler operates with its water temperature at close to wet-bulb temperature which is rarely higher than 24°C.
- Braemar WATERmanager™ dumps water after non use to prevent any bacterial build up.

- Braemar WATERmanager™ leaves the cooler tank clean and dry when not in use.
- Legionella bacteria can only be inhaled when carried in water droplets.
- In a high quality evaporative cooler such as Braemar, water evaporates from the pads and never produces aerosol mists.
- Some cooling towers linked to refrigerative air conditioning systems circulating water at well above 37°C can still produce aerosol mists.
- Most outbreaks of Legionnaires' Disease have been traced to cooling towers associated with refrigerative air conditioners – NEVER to evaporative coolers.

**FACT: Legionnaires' Disease cannot be created or transmitted in a Braemar wet-pad, dry sump evaporative air conditioner.**

# YOUR BRAEMAR® DEALER IS THE EXPERT

Your accredited Braemar Dealer is highly qualified to help you select the correct Braemar evaporative air conditioner for your home.

**Compucool® Sizing System:** To optimise performance, this revolutionary system assists your Braemar Dealer to determine the system ideally suited to your situation.

He will 'compute' factors such as:

- Construction of your home
- Location and climate
- Ceiling heights in your home
- Your lifestyle
- Total area to be air conditioned
- Your budget

He will also take into account the sitting of your home; whether it's heavily shaded or not; whether it has a lot of glass or not.

Your dealer will also refer to meteorological and scientific data taken from over 600 locations around Australia to assist in his detailed and precise specification for your home.

Compucool eliminates the guesswork on unit selection, providing you with confidence that the Braemar you install is exactly right for your home.

## BRAEMAR® PARADIGM SERIES SPECIFICATIONS

MODEL	WIDTH	DEPTH	HEIGHT	OPERATING WEIGHT	COOLING POWER KW *
LCB 250	1150mm	1150mm	686mm	76kg	8.0kw
LCB 350	1150mm	1150mm	686mm	77kg	9.5kw
LCB 450	1150mm	1150mm	836mm	84kg	12.3kw
LCB 550	1150mm	1150mm	836mm	85kg	14.7kw

\*"Rated Cooling Performance" defines the cooling capacity of evaporative air conditioners under standardised conditions. The conditions specified include: Inlet dry-bulb temperature 38°C, Inlet wet-bulb 21°C, and comfort dry-bulb temperature 27.4°C, all measured with a system static pressure of 80Pa, in accordance with Australian Standard AS2913-2000. As Braemar strives for continuous product improvement, these specifications are subject to change without notice. Evaporative cooling performance is affected when high humidity conditions exist. Installation and commissioning to manufacturer's specifications, industry standards and state regulatory laws is the responsibility of the installer.

Don't be misled, ensure your entire cooler is tested to AS-2913-2000

### WARRANTY



The Braemar Paradigm Series is backed by a 3 year standard warranty on all **parts and labour**, plus an optional 2 year warranty extension through your dealer.

Warranty conditions are subject to property access and Industry Safety Standards, so ask your Accredited Dealer for a copy of the full terms and conditions of warranty applicable to a Braemar unit/installation.

### AUSTRALIAN MADE AND OWNED



Braemar evaporative air conditioning has been around for 50 years. Braemar is proudly Australian made and is owned by Seeley International.

### INSTALLATION



Braemar evaporative air conditioning can be purchased through an accredited dealer with qualified installation staff for your peace of mind.

# A GREAT RANGE WITH FOUR CLASSIC COLOURS

HERITAGE GREEN



BEIGE



TERRACOTTA



SLATE GREY



Unit colours may vary slightly from those depicted.

## Braemar® cooling Performance in KW

Brand	Model	Nominal Motor Power (W)	Claimed KW of cooling	Actual KW of cooling*
Braemar	LCB250	360	8.0	8.0
Braemar	LCB350	500	9.5	9.5
Braemar	LCB450	700	12.3	12.3
Braemar	LCB550	930	14.7	14.7

The above analysis was drawn from Meridian Laboratories test analysis. The testing was performed by a NATA accredited laboratory to the requirements of the Australian standard AS2913-2000 "Evaporative Air Conditioning Equipment". Achievable with ambient 38°C DB, 21°C WB, when room temperature is 27.4 °C.

## Cooling performance comparison

Seeley International, manufacturers of Braemar, has tested its Evaporative Coolers according to AS2913-2000. This is the Australian Standard for the testing of Fixed Evaporative Air conditioners and demands that all such air conditioners be tested as **complete units**. The standard states in clause 3.1.1d-1 "Performance ratings relate to the actual performance of the fully assembled equipment as supplied, not to the component parts prior to assembly." Australian Standard AS2913-2000.

All test results commissioned by Seeley International of both **their own** and **competitive** air conditioners, have been carried out in this prescribed manner. Based on AUSTRALIAN STANDARD mandatory testing procedure, published are the actual **cooling performances** for various Braemar models.

Your representative:

Seeley International Pty Ltd ABN 23 054 687 035

For your nearest accredited dealer: **1300 360 815**

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Quality  
Endorsed  
Company  
ISO 9001 (2000) Lic 391  
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CERTIFIED QUALITY  
MANAGEMENT SYSTEM



www.braemar.net.au