



.....  
Ducted Reverse Cycle  
Air Conditioning of Distinction  
.....

**Braemar**<sup>®</sup>  
HEATING COOLING

**SEELEY**   
INTERNATIONAL

Transforming global energy-efficiency  
into an art form!

## The Braemar advantage

Braemar ducted reverse cycle air conditioners are brought to you by Seeley International, Australia's leading evaporative air conditioning and gas heating manufacturer. For over 50 years Braemar has been comforting Australian families with superb high-performance heating and cooling products and has cemented its reputation as a trusted and innovative Australian company, and even more so, since becoming part of the Seeley International group.

For premium quality, proven reliability and the superb comfort for which it has become so famous, Braemar really is the **natural choice** for guaranteed comfort in **all** conditions, and ranks very highly among all the celebrated Seeley brands and their award-winning and world-leading products.

## Superior whole of home comfort

Ducted reverse cycle air conditioning is a popular choice for home comfort. Heat and cool your whole home, or just the areas you are currently using, via your zoned touch control.

Braemar's superior range of Minimum Energy Performance Standard (MEPS) compliant systems includes single phase systems from 9.10 to 15.00kW and three phase systems from 10.90 to 24.99kW.

With Braemar, you can be **ultra-comfortable** all year round.

## Some of Seeley International's awards...

### BRW Most Innovative Companies Top 50 List

– Winner

*Seeley International*

### Manufacturers' Monthly Lifetime Achievement Award

– Winner

*Frank Seeley AM FAICD*

### Manufacturers' Monthly Australian Consumer/Trade Product of the Year Award

– Winner

*Braemar Six Star Ducted Gas Heating Range*

### Australian Design Awards – Housing and Building Design Award™ Good Design Award

– Winner

*Braemar world's first five star non-condensing ducted gas heating range*

### Australian Design Awards – Housing and Building Design Award™ Good Design Award

– Winner

*Braemar world's first six star ducted gas heating range*

### Australian Innovation Challenge Awards

– Finalist

*Climate Wizard*

### Advantage SA

– South Australia of The Year Award

*Frank Seeley AM FAICD*

### AIRAH Awards

– Winner: Award for Excellence in Innovation

*Climate Wizard*

### 49th Australian Export Awards

– Finalist

*Seeley International*

### Business SA Export Awards

– Winner: Large Advanced Manufacturer SA

### Australian Design Awards

– Winner Housing and Building Design Award™

*Climate Wizard*

### Australia's Best Manufacturing Magazine

– Platinum Award for supply-chain and purchasing excellence

*Seeley International, Frank Seeley AM FAICD*

### Manufacturers' Monthly 2011 Endeavour Awards

– Winner: Australian Consumer/Trade

Product of the Year Award

*Climate Wizard*

### Manufacturers' Monthly 2011 Endeavour Awards

– Finalist: Australian Industrial Product of the Year Award

*Climate Wizard*

### NSW GAS Awards for Excellence

– Winner: Industry Category – Environmentally Sustainable Product

*Braemar Gas Heating*





## MEPS compliant

The Australian Minimum Energy Performance Standard (MEPS) ensures that all air conditioning systems (up to 65kW) sold in Australia comply with the standard, to help reduce Australia's carbon emissions. Committed to energy efficiency, all Braemar ducted reverse cycle air conditioners meet, and mostly **exceed** the MEPS requirements.

## Warranty

Braemar ducted reverse cycle air conditioners come with a comprehensive 5 year warranty. And, like all Braemar products, Braemar ducted split system air conditioners are backed by Seeley International's renowned service and support. With a network of experienced dealers and service agents throughout

Australia, you can be confident that, when you're buying a Seeley-backed product, you're buying energy efficiency, excellence and reliability.



## Advanced control features



Providing you with total control over the comfort level in each zone in your home, Braemar ducted reverse cycle air conditioners come standard with a four zone controller.

Braemar's advanced zoning functionality enables you to choose which zones of your home you wish to heat or cool at any time, thus increasing the overall efficiency of your system. By running your Braemar air conditioning system only in the zones you are using, you'll eliminate wasteful cooling to unused areas, saving on running costs.

### Control features

- Manual and time-programmable zone on/off control with two, five and seven day timer options, for greater flexibility
- User-friendly wall touch pad with backlit display
- All-damper-off protection
- Low, medium, high, turbo and auto fan speeds
- Automatic changeover from cooling to heating (and vice versa)

## General specifications

System Model Number (Indoor/Outdoor)	Single Phase 50Hz / R410A			
	BD09A / BC09A	BD11A / BC11A	BD15A / BC13A	BD15A / BC15A
Total Rated Cooling Capacity* (kW)	9.1	11.0	13.4	15.0
Rated Sensible Cooling Capacity (kW)	7.3	9.6	11.7	12.4
Rated Dehumidifying Effect (kW)	1.8	1.4	1.7	2.6
Moisture removal (L/hr)	2.60	2.08	2.40	3.80
Rated AEER (W/W)	3.13	3.16	3.14	3.11
Total Rated Heating Capacity** (kW)	8.8	11.2	13.4	14.9
Rated ACOP (W/W)	3.19	3.58	3.56	3.44
Power supply (V/Ph/Hz)	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Running current – Cooling / Heating (A)	12.60 / 12.00	15.20 / 13.90	20.50 / 18.40	22.50 / 21.00
Power consumption – Cooling / Heating (W)	2900 / 2750	3470 / 3120	4260 / 3750	4820 / 4320
Piping connection	Type (Liq./Gas)	Flare / Flare	Flare / Flare	Flare / Flare
	Liq./Gas/Drain (mm)	Ø9.52/15.88/ID.26.6	Ø9.52/15.88/ID.26.6	Ø12.70/19.05/ID.26.6
	Max. Length (m)	30	30	30
	Max. Height (m)	+/- 15	+/- 15	+/- 15

System Model Number (Indoor/Outdoor)	Three Phase 50Hz / R410A				
	BD11A / BC113A	BD15A / BC153A	BD18A / BC183A	BD21A / BC213A	BD25A / BC253A
Total Rated Cooling Capacity* (kW)	10.9	15.0	18.6	21.0	24.9
Rated Sensible Cooling Capacity (kW)	9.4	12.5	15.0	17.4	20.9
Rated Dehumidifying Effect (kW)	1.5	2.5	3.6	3.6	4.0
Moisture removal (L/hr)	2.17	3.67	5.34	5.34	6.61
Rated AEER (W/W)	3.20	3.11	3.12	3.10	3.10
Total Rated Heating Capacity** (kW)	10.9	14.6	18.4	21.0	24.7
Rated ACOP (W/W)	3.56	3.64	3.53	3.30	3.30
Power supply (V/Ph/Hz)	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Running current – Cooling / Heating (A)	5.35 / 4.90	7.65 / 6.45	9.25 / 8.30	12.60 / 10.15	15.00 / 14.30
Power consumption – Cooling / Heating (W)	3400 / 3050	4820 / 4000	5950 / 5200	6730 / 6320	8200 / 7510
Piping connection	Type (Liq./Gas)	Flare / Flare	Flare / Flare	Solder / Solder	Solder / Solder
	Liq./Gas/Drain (mm)	Ø9.52/15.9/ID.26.6	Ø12.70/19.05/ID.26.6	Ø12.70/19.05/ID.26.6	Ø12.70/22.22/ID.26.6
	Max. Length (m)	30	30	30	50
	Max. Height (m)	+/- 15	+/- 15	+/- 15	+/- 15

\* Cooling capacity and electric characteristics are based on 27°C DB, 19°C WB indoor temperature and 35°C outdoor temperature at medium speed, Power Supply 240V/1PH/50Hz, Refrigerant pipe length 7.5 m.  
 \*\* Heating capacity and electric characteristics are based on 20°C DB indoor temperature and 7°C DB, 6°C WB outdoor temperature at medium speed, Power Supply 240V/1PH/50Hz, Refrigerant pipe length 7.5 m.

## Indoor unit benefits and specifications



- 5** **Five speed fan motor**  
Greater flexibility of air flow volume.
- "Ultra-Smart" control system**  
Easy to use wired 7 day programmable control comes with 4-zone functionality, as **standard**.
- Long-life cabinet**  
Made of high quality, powder-coated sheet steel and closed cell insulation – providing thermal protection and lowering noise.
- Superior drain tray**  
Designed to collect and dispose of condensation safely and efficiently. The tray is powder-coated with epoxy paint and insulated with 10mm thick closed cell insulation.

- Evaporator coils**  
Made of high quality copper tubes and coated hydrophilic aluminium louvre fins for greater cooling efficiency.
- Slim design**  
At 440mm high, the indoor unit is compact and suitable for installation in almost all roof cavities.
- Quick and easy servicing**  
Three-way access to the blower and fan assembly from above, in front, or below the unit.

	Single Phase 50Hz / R410A – indoor units					
Model	BD09A	BD11A	BD15A	BD18A	BD21A	BD25A
Nominal air flow rate (l/s)	660/565/450	760/635/535	930/890/815	1040/915/750	1230/1030/840	1500/1250/1020
External static pressure, Min - Max (Pa)	25 - 120	25 - 150	25 - 150	25 - 150	25 - 150	25 - 150
Sound pressure level at 1 m (dB (A))	48/45/44	48/46/44	51/49/47	51/49/47	54/49/44	56/51/46
Unit Dimensions H x W x D (mm)	300 x 1180 x 600	360 x 1400 x 660	360 x 1400 x 660	440 x 1400 x 850	440 x 1650 x 810	440 x 1850 x 810
Duct Connection Sizes H x W (Return & Supply)	224 x 1080	284 x 1300	284 x 1300	364 x 1300	365 x 1550	365 x 1750
Net weight (kg)	45	62	73	80	88	98

## Outdoor unit benefits and specifications



- Long-life cabinet**  
Made of high quality galvanised steel for long life and extra strength and electrostatically powder-coated and oven-baked with high quality epoxy paint for added protection.
- 3** **Three speed fan motor**  
Computer-controlled to automatically reduce the fan speed when the ambient temperature lowers, reducing operating noise at night and providing greater fan control and comfort to suit your zoning requirements.
- R410A refrigerant**  
Pre-charged with R410A refrigerant for a 12 metre pipe run for greater flexibility of unit positioning.
- Large operating range**  
Operates from -10°C to 43°C.
- Corrosion protection**  
Pre-coated hydrophilic aluminium fins provide resistance against corrosion from sea salts and chemical vapours.
- Extended pipe runs**  
Up to 50 metres (additional refrigerant will be required).

	Single Phase 50Hz / R410A – outdoor units			
Model	BC09A	BC11A	BC13A	BC15A
Compressor	Type	Rotary	Rotary	Scroll
	Power supply (V/Ph/Hz)	220-240/1/50	220-240/1/50	220-240/1/50
Refrigerant	Type	R410A	R410A	R410A
	Charging weight at 12m Pipe Length (kg)	3.35	3.75	4.65
	Additional Charge (g/m)	50	50	100
Nominal air flow rate at High Speed (l/s)*	1200	1400	2000	2000
Sound pressure level at 1 m (dB (A))	59/55/49	60/56/51	61/58/55	61/58/55
Sound pressure level at 3 m (dB (A))	51/47/42	53/48/44	54/51/48	54/51/48
Unit Dimensions H x W x D (mm)	760 x 1008 x 390	965 x 970 x 390	1320 x 970 x 390	1320 x 970 x 390
Net weight (kg)	80	90	102	106

\*Three - speed Fan Motor for Outdoor unit

	Three Phase 50Hz / R410A – outdoor units				
Model	BC113A	BC15sA	BC183A	BC213A	BC253A
Compressor	Type	Rotary	Scroll	Scroll	Scroll
	Power supply (V/Ph/Hz)	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Refrigerant	Type	R410A	R410A	R410A	R410A
	Charging weight at 12m Pipe Length (kg)	3.95	4.85	5.95	7.95
	Additional Charge (g/m)	50	100	100	100
Nominal air flow rate at High Speed (l/s)*	1400	2000	2000	3000	3000
Sound pressure level at 1 m (dB (A))	60/56/51	61/58/55	61/58/55	67/60/51	65/58/49
Sound pressure level at 3 m (dB (A))	53/48/44	54/51/48	54/51/48	60/54/44	58/51/43
Unit Dimensions H x W x D (mm)	965 x 970 x 390	1320 x 970 x 390	1470 x 970 x 390	1552 x 1150 x 490	1552 x 1150 x 490
Net weight (kg)	78	106	130	148	172

\*Three - speed Fan Motor for Outdoor unit



## SEELEY INTERNATIONAL

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

**Our vision is to lead the world in creating climate control solutions which continue to be highly innovative, of premium quality and inspirational in their delivery of energy-efficiency.**

But it's more than just a vision... it's a way of life!

A commitment to innovation and excellence is at the heart of all that we do. Our success in delivering on that commitment has been recognised by our many awards and our expanding global presence. Seeley International now exports to well over 100 countries. Not bad for a company that started out in 1972 in the garage of its founder and Chairman, Frank Seeley AM FAICD, who was named South Australian of the Year for 2011!



\*Haier air conditioning products are proudly distributed by Seeley International throughout Australia.

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