

Leading edge
Add-on cooling
for ducted gas heating



“Seeley International never stops striving to innovate and build the world’s most energy efficient heaters and air conditioners.

It is this commitment to excellence that’s at the heart of everything we do.”

Frank Seeley AM FAICD
Founder and Executive Chairman



The award winning company

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

Recent awards include:



sydney
design
awards



melbourne
design
awards



The natural choice for **comfort in all conditions**



ADD-ON COOLING SYSTEMS

The ideal solution for whole of home comfort, complementing a new or existing Braemar ducted gas heating system.

Add-on cooling systems utilise existing Braemar ducted gas heating ductwork and grilles and consist of an indoor unit (placed within the roof space), an outdoor unit and one controller for heating and cooling, with zoning option available*.

The Braemar difference



COST EFFECTIVE

MEPS (Minimum Energy Performance Standards) compliant

DRED (Demand Response Enabling Device) feature (on Invertair™ models)



AUSTRALIAN OWNED

Seeley International, Australia's leading cooling and heating manufacturer



RANGE

Braemar offers a comprehensive range to suit everyone's needs



QUALITY

65 year history of Braemar excellence and reliability

Leading technology and innovation come as standard



WARRANTY

Quality that lasts – 5 year comprehensive manufacturer's warranty

A network of highly professional dealers and service agents throughout Australia



ENVIRONMENT

The add-on cooling range uses eco-friendly R410A refrigerant

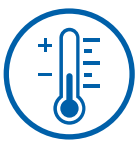
Standard features

The DC inverter technology difference

All Braemar Invertair™ add-on cooling systems feature DC inverter technology.

An inverter is a power conversion circuit that electronically regulates the voltage, current and frequency of an air conditioner. This circuit controls the compressor, outdoor and indoor fans, maximising the air conditioner's efficiency.

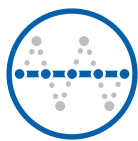
Compared to conventional models, inverter air conditioners provide:



Quicker and finer temperature control and comfort



Significantly lower running costs



Elimination of temperature fluctuations



Wider operating temperatures



Greatly reduced system noise inside and outside the home

DC inverter technology vs. conventional

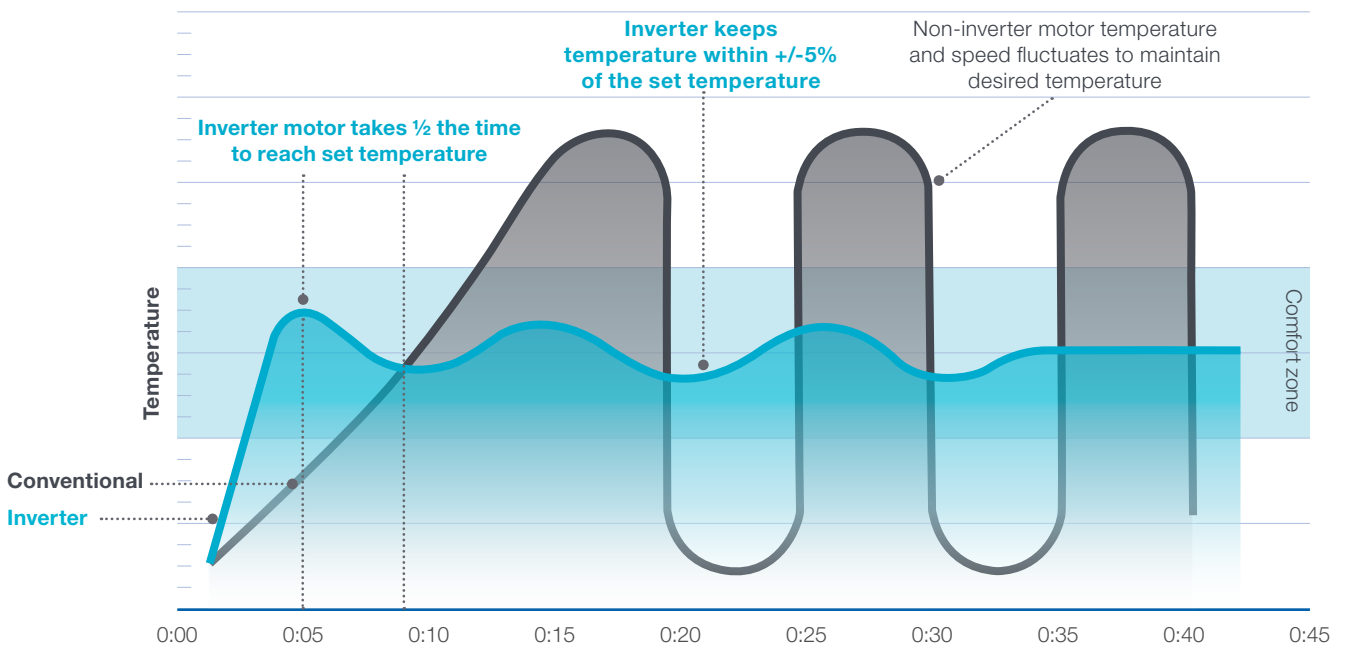


Table for illustration purposes only.



DRED as standard

With the introduction of smart power meters (PeakSmart in QLD), the electrical supply authority can limit the amount of power to the property at certain times during extreme weather conditions, when the power supply is at peak demand, using DRED (Demand Response Enabling Device).

In some states, the power supply authorities offer financial incentives to consumers who install DRED enabled air conditioning systems. **All of Braemar's latest inverter products now come with DRED as standard.**



Add-on cooling for gas heating

The ideal solution for whole of home comfort

Add-on cooling systems are specifically designed to complement a new or existing[^] Braemar ducted gas heating system. Compact and economical to run, it can be installed at the same time as a heating system, or added later.

[^]Applicable to installations where airflow requirements and duct design are suitable. Not all models of Braemar ducted gas heaters are suitable for add-on cooling, so please check with the dealer.

Invertair™

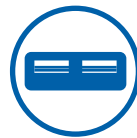
Indoor units – Australia's first and only true inverter add-on cooling system

The inverter technology in **Invertair™ add-on cooling** ensures uninterrupted comfort and a significant saving in running costs.



POWER SAVING

High energy efficiency results in significant savings in running costs.



LOW PROFILE DESIGN

Visually appealing with a discrete and low profile design that can be concealed above ceilings or below the floor to deliver conditioned air via ducting and suitable ceiling or floor grilles.



EFFICIENT AND QUIET

Inverter technology, 1W standby mode and automatic fan adjustment as the evening temperature drops all make for best efficiency and the quietest operation.



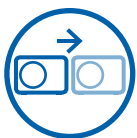
EASY AND FLEXIBLE INSTALLATION

Compact and suitable for installation in almost all roof cavities. Room positioning and grille options allow for flexible installation choices.

Note: the Invertair™ series can only be installed with the TQ heater and MagIQtouch controller. Available in 4 sizes.

Invertair™

Outdoor units



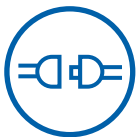
FLEXIBLE OUTDOOR PLACEMENT

Long pipe runs of up to 50m allows flexibility in placing an outdoor unit.



SLIM DESIGN

Allows more flexibility in placing an outdoor unit.



QUICK AND EASY INSTALLATION

Single drain connection point allows for quick and easy installation.



SACC series

Fixed speed add-on cooling – Indoor units

Enjoy exceptional comfort without the worry of high energy costs with a quality **fixed speed add-on cooling system**.



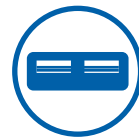
POWER SAVING

High energy efficiency results in significant savings in running costs.



EFFICIENT AND QUIET

Inverter technology, 1W standby mode and automatic fan adjustment as the evening temperature drops all make for best efficiency and the quietest operation.



LOW PROFILE DESIGN

Visually appealing with a discrete and low profile design that can be concealed above suspended ceilings or within open closet spaces to deliver conditioned air via ducting and suitable ceiling or wall grilles.



LARGE CAPACITY UNITS

The larger units are the largest capacity available in the nation and ideal for large homes and open spaces.



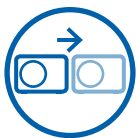
EASY AND FLEXIBLE INSTALLATION

Compact and suitable for installation in almost all roof cavities. Room positioning and grille options allow for flexible installation choices.

Available in 7 sizes.

SACC series

Fixed speed add-on cooling – Outdoor units



FLEXIBLE OUTDOOR PLACEMENT

Long pipe runs of up to 50m allows flexibility in placing an outdoor unit.



EFFICIENT AND QUIET

Automatic fan speed adjustment as the evening temperature drops makes for best efficiency and the quietest operation.



LONG LIFE UNIT PROTECTION

Cabinet is made of high quality galvanised steel and powder-coated with high quality epoxy paint for long life and extra strength. Pre-coated aluminium fins provide resistance against corrosion.



Innovative MAGIQTOUCH[®] controller

Touch screen technology

Smart, sophisticated and incredibly intuitive, the MagIQtouch controller makes operating a Braemar so simple. Discreet and modern design will blend seamlessly into the décor of any home.



Touch screen

Easy to use intuitive touch screen control.

Heat or cool with one touch

With one simple touch, turn the heater or cooler on or off.

Zone the home

Switch between zones in the home and control the heating settings in each zone. Save on running costs by switching zones off.[◊]
Zoning is an optional extra

Target temperature

Displays the temperature to be reached.

Switch to heating or cooling

Quickly switch to heating. Display turns blue when cooling and red when heating.

Current temperature

Quickly and easily view the current temperature inside the home.

Temperature control

Tap the minus to reduce target temperature or plus to increase target temperature.

Wake up

Press to wake the controller from sleep, only lighting up the screen when in use.

Settings

Access features such as child lock, night quiet mode[◊] and servicing information.

Program mode

Tap to change the 7 day program with 4 simple time periods (including a temporary over-ride function).

[◊]TQ3 and TQD3 models: night quiet mode and zoning is not available, and fan speed is not user-adjustable.

Invertair™

Specifications

Model No.	Indoor unit	SACV10D1S	SACV12D1S	SACV14D1S	SACV16D1S
	Outdoor unit	SCHV10D1S	SCHV12D1S	SCHV14D1S	SCHV16D1S
Capacity	Cooling (kW)	10.00	13.00	14.50	15.50
AEER	W / W (rated)	3.44	3.71	3.71	3.36
Power supply	V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Power input	Cooling (kW)	2.90	3.50	3.90	4.60
Indoor unit	Rated airflow (L/s)	550	610	700	1050
	Dimensions (W × H × D), outline (mm)	1280 x 366 x 450	1280 x 366 x 450	1280 x 366 x 450	1442 x 412 x 435
	Net / Gross weight (kg)	25	25	25	28
	Pressure drop dry/wet (Pa)	19/22	27/30	37/40	46/56
Outdoor unit	Sound pressure level (dB(A))	60	61	60	62
	Dimensions (W × H × D) (mm)	1107 x 1100 x 440	1107 x 1100 x 440	1085 x 1365 x 427	1085 x 1365 x 427
	Net / Gross weight (kg)	91 / 100	101 / 111	117 / 128	121 / 133
Refrigerant charge	R410A (kg)	3.5	3.9	4.0	5.5
Pipe	Liquid size (mm)	Ø9.53 (3/8)	Ø9.53 (3/8)	Ø9.53 (3/8)	Ø9.53 (3/8)
	Gas size (mm)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø19.05 (3/4)
	Pre-charge length (m)	7.0	7.0	9.5	9.5
	Additional charge (g/m)	60	60	60	60
	Max distance height / length (m)	15 / 50	30 / 50	30 / 50	30 / 50
Electrical	Indoor to outdoor (mm ²)	2 x 0.75 non-shielded (H05RN-F)	2 x 0.75 non-shielded (H05RN-F)	2 x 0.75 non-shielded (H05RN-F)	2 x 0.75 non-shielded (H05RN-F)
	Power to outdoor (mm ²)	3 x 4.0 (H07RN-F)	3 x 4.0 (H07RN-F)	3 x 6.0 (H07RN-F)	3 x 6.0 (H07RN-F)
	Power to indoor (mm ²)	3 core plug & cord (supplied)	3 core plug & cord (supplied)	3 core plug & cord (supplied)	3 core plug & cord (supplied)
	Recommended fuse (amp)	25	25	40	40
Set temp. range	°C	16~30	16~30	16~30	16~30
Ambient temperature range	Cooling (°C)	-15~48	-15~48	-15~48	-15~48

Note: The above design and specifications are subject to change without notice for product improvement.

Indoor unit	Outdoor unit	Ducted gas heater airflow l/s @ 100Pa @ Fan Speed 10	Invertair capacity Min-Nominal-Max Capacity (kW) Airflow (l/s)	Max fan speed setting	Applicable Braemar extra air ducted gas heaters
SACV10D1S	SCHV10D1S	695	3.20-10.00-11.00 330-550-650	9	X20
		755		8	X20, X23
SACV12D1S	SCHV12D1S	695	4.00-13.00-13.50 415-610-800	10	X20
		755		10	X20, X23
SACV14D1S	SCHV14D1S	695	6.00-14.50-14.50 470-700-800	10	X20
		755		10	X20, X23
		810		10	X25
SACV16D1S	SCHV16D1S	1050	6.40-15.50-17.00 610-1050-1070	10	X30
		1070		10	X30, X32

Note: Care must be taken to ensure that the AOC coil maximum airflow is not exceeded. This can be done by setting the ducted gas heater maximum airflow during the commissioning and set up stage. Please refer to the TQ model Installation Manual. The above Invertair models are only available with MagIQtouch Controller and must be purchased as a package with Braemar ducted gas heating.

SACC series

Specifications

Model No.	Indoor unit	SACC09C-S	SACC11C-S	SACC15C-S	SACC18C-S	SACC18C-S	SACC21C-S	SACC21C-S
	Outdoor unit	SCHF09C1S	SCHF11C1S	SCHF15C1S	SCCF18C1S	SCHF18C3S	SCHF21C3S	SCHF25C3S
Capacity	Cooling (kW)	8.9	10.8	14.5	16.6	17.1	21.0	24.0
AEER	W / W (rated)	3.39	3.36	3.47	3.38	3.19	3.14	3.26
Power supply	V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50
Power input	Cooling (kW)	2.62	3.21	4.18	4.90	5.36	6.68	7.35
Indoor unit	Rated airflow (L/s)	630	755	935	935	935	1050	1050
	Dimensions (W × H × D), outline (mm)	960 x 480 x 340	1060 x 480 x 340	1210 x 480 x 340	1310 x 480 x 340	1310 x 480 x 340	1552 x 480 x 480	1552 x 480 x 480
	Net / Gross weight (kg)	19/23	20/24	24/29	27/32	27/32	46/52	46/52
	Pressure drop dry/wet (Pa)	61 / 80	66 / 88	72 / 90	72 / 104	73 / 104	36 / 50	36 / 57
Outdoor unit	Sound pressure level (dB(A))	49-59	51-60	55-61	55-61	55-61	51-67	51-67
	Dimensions (W × H × D) (mm)	1008 x 760 x 390	970 x 970 x 390	970 x 1316 x 390	970 x 1474 x 390	970 x 1474 x 390	1572 x 480 x 480	1572 x 480 x 480
	Net / Gross weight (kg)	80/84	90/94	106/111	130/135	130/135	148/175	172/193
Refrigerant charge	R410A (kg)	3.35	4.25	5.15	6.05	5.95	7.85	9.45
Pipe	Liquid size (mm)	Ø9.53 (⅜)	Ø9.53 (⅜)	Ø12.70 (½)	Ø12.70 (½)	Ø12.70 (½)	Ø12.70 (½)	Ø12.70 (½)
	Gas size (mm)	Ø15.88 (⅝)	Ø15.88 (⅝)	Ø19.05 (¾)	Ø19.05 (¾)	Ø19.05 (¾)	Ø22.20 (⅞)	Ø28.60 (1 ⅛)
	Pre-charge length (m)	12	12	12	12	12	12	12
	Additional charge (g/m)	50	50	100	100	100	100	100
	Max distance height / length (m)	30	30	30	30	30	50	50
	Max. difference in level (m)	15	15	15	15	15	15	15
Electrical	Power to outdoor (mm²)	3 x 2.5	3 x 4.0	3 x 6.0	3 x 6.0	5 x 2.5	5 x 4.0	5 x 4.0
	Recommended fuse (amp)	16	25	40	40	16	25	25
Set temp. range	°C	18-37	18-37	18-37	18-37	18-37	18-37	18-37
Ambient temperature range	Cooling (°C)	15-43	15-43	15-43	15-43	15-43	15-43	15-43

Note: The above design and specifications are subject to change without notice for product improvement.

Indoor unit	Outdoor unit	Nominal airflow l/s @ 100Pa	Nominal capacity Total/sensible (kW)	Nominal AEER	Applicable Braemar extra air ducted gas heaters
SACC09C-S	SCHF09C1S	630	8.9 / 7.95	3.39	X20, X23
SACC11C-S	SCHF11C1S	755	10.8 / 9.6	3.36	X23, X25
SACC15C-S	SCHF15C1S	935	14.5 / 12.7	3.47	X30, X32
SACC15C-S	SCHF15C1S	810	14.0 / 11.3*	3.40*	X25
SACC18C-S	SCCF18C1S	935	16.6 / 13.5	3.38	X30, X32
SACC18C-S	SCCF18C1S	810	16.0 / 12.5*	3.30*	X25
SACC18C-S	SCHF18C3S	935	17.1 / 14.0	3.19	X30, X32
SACC18C-S	SCHF18C3S	810	16.5 / 12.6*	3.15*	X25
SACC21C-S	SCHF21C3S	1050	21.0 / 17.0	3.14	X30, X32
SACC21C-S	SCHF25C3S	1050	24.0 / 18.0	3.26	X30, X32

*Capacity and AEER is estimated using HPRate™ Version 5 simulation software.



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BRAEMAR

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AIRA

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



**Quality
ISO 9001**

534kg
CO₂ saved
on this project

This brochure was printed by an environmentally friendly printer certified in accordance with ISO14001 Environmental Management Systems. As a certified carbon neutral printer, 534kg of CO₂ was saved during the production process.

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