



The Braemar Invertair™ series is Australia's first and only true inverter add-on cooler.

First with  
**MEPS**  
compliance  
(U series)

# Braemar add-on cooling systems

Cooling systems specifically designed to complement your new or existing\* Braemar gas heating system, for year round comfort.

## Braemar heating has found its perfect match

Australians and New Zealanders have been coming home to the wonderful warmth of Braemar ducted gas heating for more than 50 years, and Braemar's new Supernova™ series is Australia's most efficient range of ducted gas heaters.

But now, you can be comfortable all year round with Braemar's add-on cooling systems. These systems are specially designed to use the same ductwork and grilles as Braemar ducted gas heating – which makes installation and operation so much easier. You can use Braemar add-on cooling with existing\* Braemar ducted gas heating systems, as well as new installations. Ask your dealer for details.

## Choices to suit you

Braemar now introduces Australia's first Invertair inverter add-on cooling system. There are four models in Braemar's new Invertair series delivering 550 to 860 litres per second of nominal airflow and a rated capacity of 10 kW to 16 kW.

There are seven models in Braemar's U & SACC series of add-on cooling. SACC models are up to 45% smaller than the U series models, and the largest capacity in the nation delivering 755 to 1050 litres per second of nominal airflow and a rated capacity of 10.8 kW to 17.1 kW. See overleaf for technical specifications and information on which Braemar add-on cooling systems match with which Braemar gas heating systems.

## One heater, one cooler, one control

You can have year round heating and cooling, using one controller – the innovative and intuitive Braemar MagiQtouch® Controller† available on all TQ model heaters and the Braemar Spectrolink Comfort Control available on all TH series heaters.

All Braemar 4, 5, 6, & Super-Six ducted gas heating systems offer you the ability to heat up to four different zones to different temperatures. Now, using Braemar ducted gas heaters with Braemar add-on cooling, you can have different cooling temperatures in up to four different zones, too.

You can even choose to just cool one zone\*\* – enhancing your comfort and helping to reduce your power bills. Braemar add-on cooling units are compact, economical to run and use R410A refrigerant.



**MagiQtouch Controller**



**Spectrolink Controller**

## Backed by the strength of Seeley International

Like all Braemar products, Braemar add-on cooling systems are backed by Seeley International's renowned service and support. With a network of expert dealers and service agents throughout Australia, you can be confident that, when you buy a Seeley International product, you are buying excellence, reliability and super-efficiency in which you can absolutely trust.

\*Applicable to installations where airflow requirements and duct design are suitable. \*\*Available on Extra Air models manufactured after January 2011

†Inverter models only available with MagiQtouch Controller and must be purchased as a package with Braemar ducted gas heating (package available from April 2015).

# The Braemar Invertair series is Australia's first and only true inverter add-on cooler.

## Invertair series specifications

Indoor unit	Outdoor unit	Nominal air flow (L/s)	Nominal capacity (kW)*	Nominal AEER <sup>^</sup>	Applicable Braemar ducted gas heaters
SACV10D1S	SCHV10D1S	550	10.0	3.21	TQ3X20, TQS3X20, TQ4X20, TQS4X20
SACV12D1S	SCHV12D1S	610	12.0	3.23	TQ3X20, TQS3X20, TQ4X20, TQS4X20
SACV14D1S	SCHV14D1S	700	13.7	3.22	TQ3X25, TQ4X25, TQM5X20, TQ5X23, TQS5X23, TQM6X23, TQS6X23
SACV16D1S	SCHV16D1S	860	16.0	3.20	TQ3X30, TQ4X30, TQM5X30, TQ5X32, TQM6X32

Note: The above inverter models are only available with MagiQtouch Controller and must be purchased as a package with Braemar ducted gas heating (package available from April 2015).

## Warranty

Every single Braemar unit is made from premium grade materials and supported by a comprehensive factory-backed warranty. While our engineering and quality control procedures mean we don't think you'll ever need to use it, our warranty is there for your protection... and peace of mind.

**5 YEAR**  
COMPREHENSIVE  
WARRANTY

## U & SACC series specifications

Indoor unit	Outdoor unit	Nominal air flow (L/s @ 100Pa)	Nominal capacity (kW)*	Nominal AEER <sup>^</sup>	Applicable Braemar ducted gas heaters
U3509A	U3009A	630	8.8	3.28	TSS6X23, THM6X23, THM5X20, TH5X23, TH4X20, TH3X20, TQ4X20, TQM5X20, TQ5X23, TQM6X23
SACC11C-S	BC11A	755	10.8	3.34	TSS6X23, THM6X23, TH5X23, TH4X25, TH3X25, TQ4X25, TQ5X23, TQM6X23
SACC15C-S	SCHF15C1S	935	14.5	3.47	THM6X32, THM5X30, TH5X32, TH4X30, TH3X30, TQ4X30, TQM5X32, TQ5X32, TQM6X32
SACC18C-S	SCHF18C1S	935	16.6	3.39	THM6X32, THM5X30, TH5X32, TH4X30, TH3X30, TQ4X30, TQM5X32, TQ5X32, TQM6X32
SACC18C-S	SCHF18C3S	935	17.1	3.19	THM6X32, THM5X30, TH5X32, TH4X30, TH3X30, TQ4X30, TQM5X32, TQ5X32, TQM6X32
U3521A	U30213A	1050	20.0	3.32	THM6X32, THM5X30, TH5X32, TH4X30, TH3X30, TQ4X30, TQM5X32, TQ5X32, TQM6X32
U3521A	BC253A	1050	24.0	3.25	THM6X32, THM5X30, TH5X32, TH4X30, TH3X30, TQ4X30, TQM5X32, TQ5X32, TQM6X32

\*Rated capacity in accordance with AS/NZS 3823.1.2. ^AEER is net and includes input power calculation for IFM.

## General specifications Invertair series

Braemar model number	(Indoor / outdoor)	SACV10D1S / SCHV10D1S	SACV12D1S / SCHV12D1S	SACV14D1S / SCHV14D1S	SACV16D1S / SCHV16D1S
Power supply	V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Nominal cooling	Capacity (kW)	10.0	12.0	13.7	16.0
	Input (kW)	3.1	3.7	4.3	5.0
	AEER (W/W) rated	3.21	3.23	3.22	3.20
Refrigerant / charge	(kg)	R410A / 3.5	R410A / 3.9	R410A / 4.0	R410A / 5.5
Indoor rated airflow	(L/s)	550	610	700	860
Indoor dimension	Unit (HxWxD) (mm)	366x1280x450	366x1280x450	366x1280x450	389x1497x450
Indoor weight	Net (kg)	25	25	25	28
Outdoor sound pressure	dB(A)	60	60	61	61
Outdoor dimension	Unit (HxWxD) (mm)	1100x1107x440	1100x1107x440	1365x1085x427	1365x1085x427
Outdoor weight	Net / gross (kg)	91/100	101/111	117/128	121/133
Pipe size	Liquid / gas (mm)	Ø9.53 (¾) / Ø15.88 (½)	Ø9.53 (¾) / Ø15.88 (½)	Ø9.53 (¾) / Ø15.88 (½)	Ø9.53 (¾) / Ø19.05 (¾)
Pipe pre-charged	Length (m)	7.0	7.0	9.5	9.5
Pipe add charge	(g / m)	60	60	60	60
Pipe max distance	Height / length (m)	15 / 50	30 / 50	30 / 50	30 / 50

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

Rating conditions	Cooling
Indoor temperature	27 °C DB / 19 °C WB
Outdoor temperature	35 °C DB / 24 °C WB (max. operating 48 °C)

## General specifications U & SACC series

Braemar model number	(Indoor / outdoor)	U3509A / U3009A	SACC11C-S / BC11A	SACC15C-S / SCHF15C1S	SACC18C-S / SCOF18C1S	SACC18C-S / SCHF18C3S	U3521A / U30213A	U3521A / BC253A
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
Nominal cooling	Capacity (kW)	8.8	10.8	14.5	16.6	17.1	20.0	24.0
	Input (kW)	2.67	3.21	4.18	4.90	5.36	5.99	7.35
	AEER (W/W) tested	3.28	3.34	3.47	3.38	3.19	3.32	3.25
Indoor dimension	Unit (HxWxD) (mm)	480 x 1111 x 460	480 x 1060 x 340	480 x 1210 x 340	480 x 1310 x 340	480 x 1310 x 340	480 x 1645 x 610	480 x 1645 x 610
Indoor weight	Net (kg)	24	20	24	27	27	48	48
Pressure drop (wet/dry)	Pa	67 / 52	88 / 66	90 / 72	104 / 72	104 / 73	53 / 38	57 / 36
Outdoor sound pressure	dB(A) @ 1 m	59 / 55 / 49	60 / 56 / 51	61 / 58 / 55	61 / 58 / 55	61 / 58 / 55	67 / 60 / 51	65 / 58 / 49
Outdoor dimension	Unit (HxWxD) (mm)	760 x 1008 x 390	970 x 970 x 390	1316 x 970 x 390	1474 x 970 x 390	1474 x 970 x 390	1552 x 1150 x 490	1552 x 1150 x 490
Outdoor weight	Net (kg)	80	90	106	130	130	148	172
Piping connection	Liquid / gas / drain (mm)	Ø9.53 (¾) / Ø15.88 (½) / Ø24ID	Ø9.53 (¾) / Ø15.88 (½) / Ø24ID	Ø12.70 (½) / Ø19.05 (¾) / Ø24ID	Ø12.70 (½) / Ø19.05 (¾) / Ø24ID	Ø12.70 (½) / Ø19.05 (¾) / Ø24ID	Ø12.70 (½) / Ø22.20 (7/8) / Ø24ID	Ø12.70 (½) / Ø28.6 (1 1/8) / Ø24ID
	Max. refrigerant pipe length (m)	30	30	30	30	30	30	30
	Max. difference in level (m)	15	15	15	15	15	15	15
Refrigerant / charge	(kg)	R410A / 3.35	R410A / 3.75	R410A / 5.15	R410A / 6.05	R410A / 5.95	R410A / 7.85	R410A / 9.45
Pre-charged	Length (m)	12	7	12	12	12	12	0

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

Rating conditions	Cooling
Indoor temperature	27 °C DB / 19 °C WB
Outdoor temperature	35 °C DB / 24 °C WB (max. operating 43 °C)

