Braemar™
By SEELEY INTERNATIONAL

2020

Leading edge
Reverse cycle air conditioning

Ducted and ceiling cassette

SEELEY INTERNATIONAL

"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, DUniv *Flin*, FAICD
Founder and Executive Chairman

Award Winning Company

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

Recent awards include:

GOOD DESIGN Award

THE AUSTRALIAN BUSINESS AWARDS ABA100 NEW PRODUCT INNOVATION WINNER 2016

melbourne design awards

HALF A CENTURY OF Exporting Excellence 2013 BUSINESS SA EXPORT AWARDS WINNER

sydney design awards

THE AUSTRALIAN BUSINESS AWARDS NEW PRODUCT INNOVATION WINNER 2017

BRW 2015 most INNOVATIVE companies

The ultimate choice for comfort in all conditions

DUCTED REVERSE CYCLE SYSTEMS

The ideal solution for whole of home or office heating and cooling. The air is circulated via ductwork and inverter technology, ensuring uninterrupted comfort and valuable energy savings.

Ducted reverse cycle systems consist of two parts; an indoor unit (placed within the roof space) and an outdoor unit.

The Braemar difference

COST EFFECTIVE

MEPS (Minimum Energy Performance Standards) compliant

DRED (Demand Response Enabling Device) feature

AUSTRALIAN OWNED

Seeley International, Australia's leading cooling and heating manufacturer

RANGE

Braemar offers a comprehensive range to suit everyone's needs

QUALITY

80 year history of Braemar excellence and reliability

Leading technology and innovation come as standard

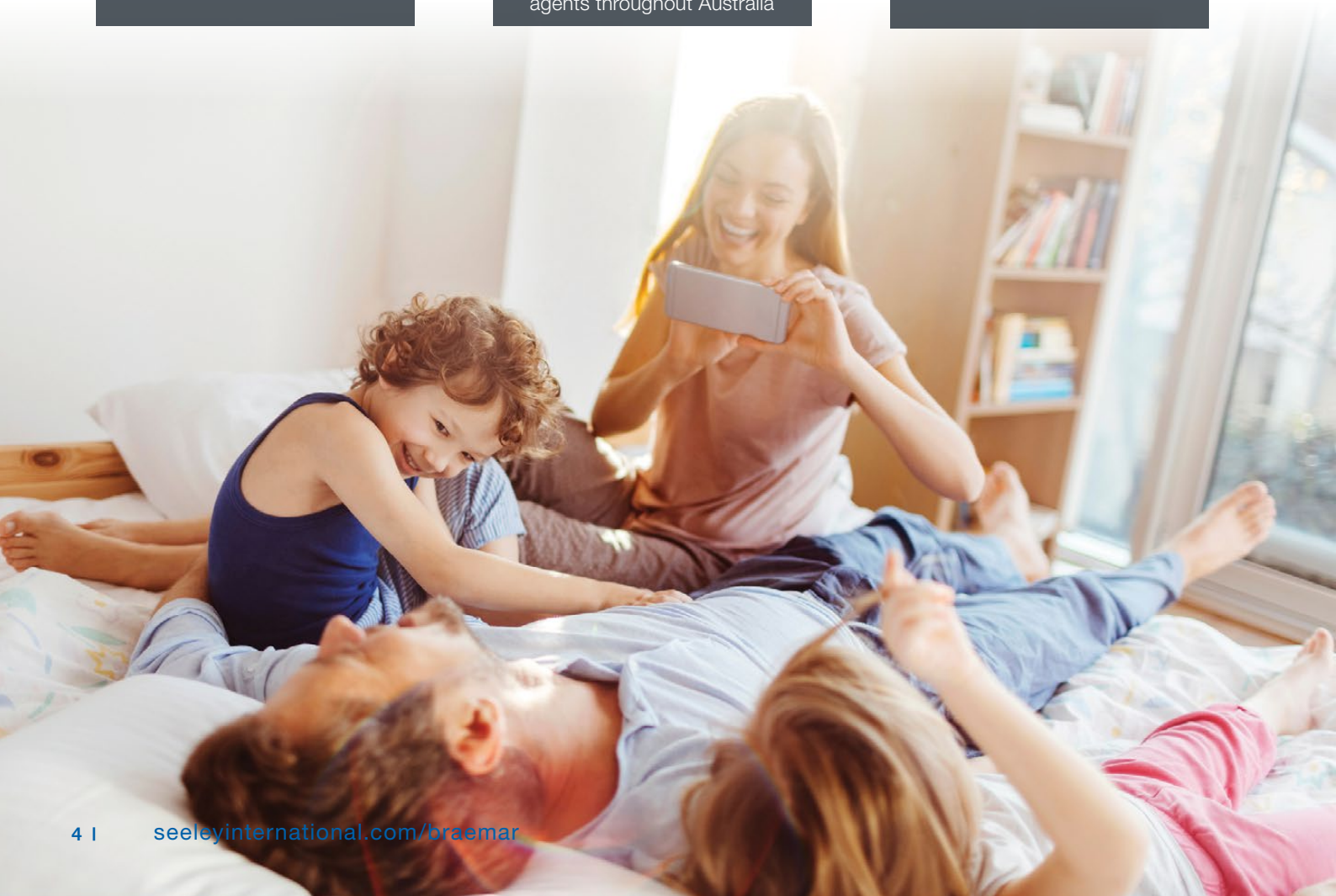
WARRANTY

Quality that lasts – 5 year comprehensive manufacturer's warranty

A network of highly professional dealers and service agents throughout Australia

ENVIRONMENT

The ducted reverse cycle air conditioning range uses eco-friendly R410A refrigerant



Standard features

The DC inverter technology difference

All Braemar ducted inverter sytems 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 (model specific) -15°~48° -10°~24°
- Greatly reduced system noise inside and outside the home

DC inverter technology vs. conventional

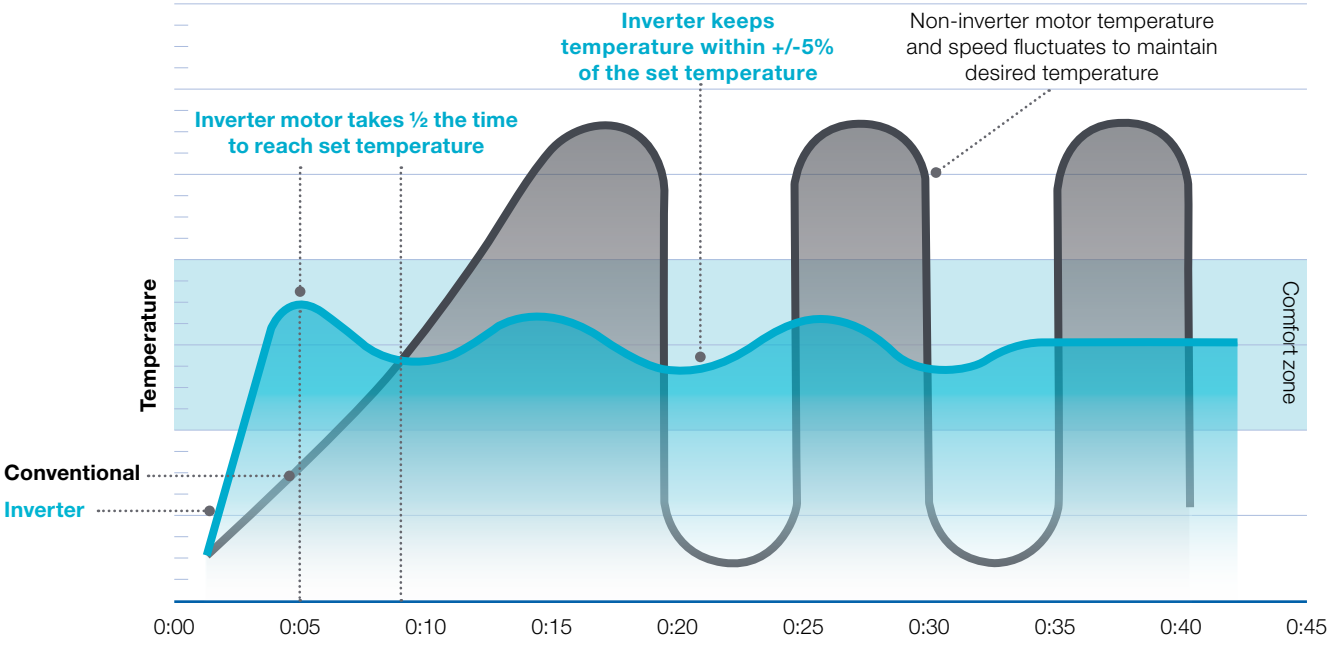


Table for illustration purposes only.

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.**

Single phase ducted reverse cycle
Indoor unit

POWER SAVING
High energy efficiency results in significant savings in running costs.

EFFICIENT AND QUIET
Inverter technology, optional motion sensor and installer settings tailoring airflow all make for best efficiency and the quietest operation.

LOW PROFILE DESIGN
Visually appealing, discrete and low profile unit to deliver conditioned air via ducting and suitable ceiling or wall grilles.

HOME AUTOMATION SYSTEM ADAPTABLE
Modbus compatibility allows operation with a wide range of home automation systems. Remote on/off control available for applications that require connection to a Building Management System (BMS), or require a room card.

EASY AND FLEXIBLE INSTALLATION
Compact, adaptable room positioning and built in drain pump allows for flexible installation choices. 2 core signal cable to outdoor unit allows for quick installation.

Available in 5 sizes.

Single phase ducted reverse cycle
Outdoor unit

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.

DRED AS STANDARD
Demand response enabled device as standard

Three phase ducted reverse cycle
Indoor unit

POWER SAVING
High energy efficiency results in significant savings in running costs.

EFFICIENT AND QUIET
Inverter technology and installer settings tailoring airflow all make for best efficiency and the quietest operation.

HOME AUTOMATION SYSTEM ADAPTABLE
Remote on/off control available for applications that require connection to a Building Management System (BMS), or require a room card.

LOW PROFILE DESIGN
Visually appealing, discrete and low profile design that can be concealed above ceilings to deliver conditioned air via ducting and suitable ceiling or wall grilles.

EASY AND FLEXIBLE INSTALLATION
Compact and adaptable room positioning allows for flexible installation choices. 3 core signal cable to outdoor unit allows for quick installation.

Available in 2 sizes.

Three phase ducted reverse cycle
Outdoor unit

FLEXIBLE OUTDOOR PLACEMENT
Long pipe runs of up to 50m allow flexibility in placing an outdoor unit.

QUICK AND EASY INSTALLATION
Single drain connection point allows for quick and easy installation.

DRED AS STANDARD
Demand response enabled device as standard

Single ceiling mounted cassette

Indoor unit

AIRFLOW DISTRIBUTION
better airflow distribution from the ceiling

QUIET
lower noise, even at full capacity*

*when compared to similar size High wall split.

EFFICIENT
cools and heats quickly

EASY AND FLEXIBLE INSTALLATION
built in condensate pump, a light weight fan and easy levelling

EASY MAINTENANCE
easy to clean with a stain resistant surface and easy clean filter

- **Single** system only.
- **4 fan settings.**
- **Compact** modern design.
- **Efficient** R410A refrigerant.
- **Available in** 4 sizes.

Single ceiling mounted cassette

Outdoor unit

FLEXIBLE OUTDOOR PLACEMENT
Long pipe runs of up to 50m allows flexibility in placing outdoor units.

SLIM DESIGN
Allows more flexibility in placing outdoor units.

QUICK AND EASY INSTALLATION
Single drain connection point allows for quick and easy installation.

DRED AS STANDARD
Demand response enabled device as standard

Smart controllers

Ducted single phase

LCD backlit display
For visibility at night.

5 modes
Auto, cool, dry, fan, heat.

7 fan settings
Auto, low, medium low, medium, medium high, high, super high.

Sleep function
Adjusts temperature up or down a few degrees during the night. Reduces energy usage while sleeping.

Quiet function
Reduces fan speed to ensure the indoor unit runs more quietly.

Memory function (if a power failure occurs)
Automatically restarts and resumes the settings.

Turbo function
Ultra high fan speed to quickly cool the home.

Energy-saving function
Change the pre-set upper and lower temperatures. Perfect for apartments to reduce energy usage.

X-Fan function (in cooling mode)
Extends the time the fan continues to run after the cooling set point temperature is met.

Defrosting function
Auto function to ensure optimum heating even in the iciest environments.

Filter clean remind
Automatic reminder that filter needs cleaning.

Timer
Delay the on/off of the air conditioner to save money.

Child lock
Children are unable to change settings.

Error code display
Assists in fault identification and troubleshooting. Also displays when DRED is in operation.

Read ambient outdoor temperature
Understand how well the unit is functioning.

Ceiling cassette and ducted single phase (optional)

LCD backlit display
For visibility at night.

5 modes
Auto, cool, dry, fan, heat.

7 fan settings
Auto, low, medium low, medium, medium high, high, super high.

Sleep function
Adjusts temperature up or down a few degrees during the night. Reduces energy usage while sleeping.

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Filter clean remind
Automatic reminder that filter needs cleaning.

Timer
Delay the on/off of the air conditioner to save money.

Child lock
Children are unable to change settings.

Error code display
Assists in fault identification and troubleshooting. Also displays when DRED is in operation.

Read ambient outdoor temperature
Understand how well the unit is functioning.

Weekly timer
7 or 14 day programmable weekly timer

Other single phase controllers are available, please check with the dealer.

Smart controllers

Ducted three phase

LCD backlit display
For visibility at night.

5 modes
Auto, cool, dry, fan, heat.

6 fan settings
Auto, low, medium low, medium, medium high, high, super high.

Sleep function
Adjusts temperature up or down a few degrees during the night. Reduces energy usage while sleeping.

Quiet function
Reduces fan speed to ensure the indoor unit runs more quietly.

Memory function (if a power failure occurs)
Automatically restarts and resumes the settings.

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Filter clean remind
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Timer
Delay the on/off of the air conditioner to save money.

Child lock
Children are unable to change settings.

Error code display
Assists in fault identification and troubleshooting. Also displays when DRED is in operation.

Single phase ducted reverse cycle

Specifications

Model No.	Indoor unit	SDHV**07D1S**	SDHV**10D1S**	SDHV**12D1S**	SDHV**14D1S**	SDHV**16D1S**
	Outdoor unit	SCHV**07D1S**	SCHV**10D1S**	SCHV**12D1S**	SCHV**14D1S**	SCHV**16D1S**
Capacity	Cooling (kW)	**7.0** (2.40~9.50)	**10.0** (3.20~11.00)	**12.0** (4.00~13.50)	**13.7** (6.00~14.50)	**16.0** (6.40~17.00)
	Heating (kW)	**8.0** (2.40~10.00)	**12.0** (2.90~13.00)	**13.8** (4.00~15.00)	**16.0** (5.20~17.00)	**18.0** (5.30~19.50)
AEER / ACOP	W / W (tested)	3.11 / 3.45	3.23 / 3.53	3.21 / 3.34	3.24 / 3.34	3.16 / 3.66
EER / COP	W / W (rated)	3.21 / 3.51	3.23 / 3.64	3.24 / 3.45	3.22 / 3.33	3.20 / 3.60
Power supply	Indoor and outdoor V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Power input	Cooling (kW)	2.18 (0.85~2.50)	3.10 (0.70~4.50)	3.70 (0.65~4.70)	4.25 (1.40~5.60)	5.00 (1.20~6.90)
	Heating (kW)	2.28 (0.80~2.75)	3.30 (0.70~4.60)	4.00 (1.30~5.50)	4.80 (1.30~5.50)	5.00 (1.20~6.90)
Current input (max.)	Cooling/heating indoor (A)	1	1	1	2	2
	Cooling/heating outdoor (A)	16	19	21	28	31
Indoor unit	Rated airflow @ 50 Pa (L/s)	415	555	610	695	860
	Min/max airflow (L/s)	250-500	330-750	420-900	470-950	610 -1000
	Range (9 settings) Pa	0-200	0-200	0-200	0-200	0-200
	Rated speed (min/max)	S09 (S05 to S13)	S09 (S05 to S13)	S09 (S05 to S13)	S09 (S05 to S13)	S09 (S05 to S13)
	Duct flange S/A (mm)	820 x 160	850 x 190	850 x 190	850 x 190	990 x 190
	Duct flange R/A (mm)	980 x 230	950 x 315	950 x 315	950 x 315	1150 x 345
	Sound pressure level (dB(A))	40~47	42~50	43~52	46~54	47~55
	Dimensions (W × H × D), outline (mm)	1220 × 290 × 790	1340 × 350 × 750	1340 × 350 × 750	1340 × 350 × 750	1497 × 389 × 799
	Net / Gross weight (kg)	47 / 55	56 / 68	59 / 70	59 / 71	79 / 103
Outdoor unit	Sound pressure level (dB(A))	56	60	60	61	61
	Dimensions (W × H × D) (mm)	980 × 790 × 427	1107 × 1100 × 440	1107 × 1100 × 440	1085 × 1365 × 427	1085 × 1365 × 427
	Net / Gross weight (kg)	69 / 74	91 / 100	101 / 111	117 / 128	121 / 133
Refrigerant charge	R410A (kg)	2.2	3.5	3.9	4.0	5.5
Pipe	Liquid size (mm)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)
	Gas size (mm)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
	Pre-charge length (m)	7.0	7.0	7.0	9.5	9.5
	Additional charge (g/m)	60	60	60	60	60
	Max distance height / length (m)	15 / 50	15 / 50	30 / 50	30 / 50	30 / 50
Electrical	Indoor to outdoor (mm^2)	2 x 0.75 non shielded	2 x 0.75 non shielded	2 x 0.75 non shielded	2 x 0.75 non shielded	2 x 0.75 non shielded
	Power to indoor (mm^2)	3 x 1.0	3 x 1.0	3 x 1.0	3 x 1.0	3 x 1.0
	Power to outdoor (mm^2)	3 x 2.5	3 x 4.0	3 x 4.0	3 x 6.0	3 x 6.0
	Recommended fuse indoor (amp)	6	6	6	6	6
	Recommended fuse outdoor (amp)	20	25	25	40	40
Set temp. range	°C	16~30	16~30	16~30	16~30	16~30
Ambient temperature range	Cooling (°C)	-15~48	-15~48	-15~48	-15~48	-15~48
	Heating (°C)	-10~24	-10~24	-10~24	-10~24	-10~24

Three phase ducted reverse cycle

Specifications

Model No.	Indoor unit	SDHV**20D1S**	SDHV**24D1S**
	Outdoor unit	SDHV**20D3S**	SDHV**24D3S**
Capacity	Cooling (kW)	**20 (10~25)**	**24 (11~27.5)**
	Heating (kW)	**22.4 (10~30)**	**26 (11~33)**
AEER / ACOP	W / W (tested)	3.28/3.71	3.35/3.69
EER / COP	W / W (rated)	3.24	3.28
Power supply	Indoor (V / Ph / Hz)	220-240 / 1 / 50	220-240 / 1 / 50
	Outdoor (V / Ph / Hz)	380-415 / 3 / 50	380-415 / 3 / 50
Power input	Cooling (kW)	6.06	7.12
	Heating (kW)	6	7.02
Current input (max.)	Cooling/heating indoor (A)	11.2	13.5
	Cooling/heating outdoor (A)	12.3	14.4
Indoor unit	Rated airflow @ 50 Pa (L/s)	1220	1390
	Min/max airflow (L/s)	830 - 1400	830 - 1400
	Range (9 settings) Pa	0 - 250	0 - 250
	Rated speed (min/max)	6 Settings	6 Settings
	Duct flange S/A (mm)	262 x 962	262 x 962
	Duct flange R/A (mm)	402 x 1350	402 x 1350
	Sound pressure level (dB(A))	53	55
	Dimensions (W × H × D), outline (mm)	1690 x 440 x 870	1690 x 440 x 870
	Net / Gross weight (kg)	110/135	113/140
Outdoor unit	Sound pressure level (dB(A))	60	62
	Dimensions (W × H × D) (mm)	940 x 1615 x 460	940 x 1615 x 460
	Net / Gross weight (kg)	155/170	175/190
Refrigerant charge	R410A (kg)	6.7	9.5
Pipe	Liquid size (mm)	9.53 (3/8")	9.53 (3/8")
	Gas size (mm)	19.05 (3/4")	22.2 (7/8")
	Pre-charge length (m)	7.5	7.5
	Additional charge (g/m)	54	54
	Max distance height / length (m)	30/50	30/50
Electrical	Indoor to outdoor (mm^2)	2 x 0.75	2 x 0.75
	Power to indoor (mm^2)	3 x 1.5	3 x 1.5
	Power to outdoor (mm^2)	5 x 4.0	5 x 4.0
	Recommended fuse indoor (amp)	-	-
	Recommended fuse outdoor (amp)	32	32
Set temp. range	°C	16~30	16~30
Ambient temperature range	Cooling (°C)	-7~48	-7~48
	Heating (°C)	-15~24	-15~24

Single ceiling mounted cassette

Specifications

Model No.	Indoor unit	SBHV**07D1S**	SBHV**10D1S**	SBHV**12D1S**	SBHV**14D1S**
	Outdoor unit	SCHV**07D1S**	SCHV**10D1S**	SCHV**12D1S**	SCHV**14D1S**
	Fascia	TC**04**	TC**04**	TC**04**	TC**05**
Capacity	Cooling (kW)	**7.2** (2.4 ~ 9.5)	**10.0** (3.2 ~ 11.0)	**11.5** (4.0 ~ 12.0)	**14.0** (6.0 ~ 15.0)
	Heating (kW)	**8.2** (2.4 ~ 10.0)	**12.0** (2.9 ~ 13.0)	**13.8** (4.0 ~ 15.0)	**16.0** (5.2 ~ 17.0)
AEER / ACOP	W / W (tested)	3.24 / 3.39	3.31 / 3.32	3.20 / 3.37	3.25 / 3.50
EER / COP	W / W (rated)	3.21 / 3.51	3.23 / 3.64	3.24 / 3.45	3.22 / 3.33
Power supply	Indoor and outdoor V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Power input	Cooling (kW)	2.15 (0.85~2.50)	3.00 (0.70~4.50)	3.50 (0.65~4.70)	4.30 (1.40~5.60)
	Heating (kW)	2.45 (0.80~2.75)	3.50 (0.70~4.60)	4.20 (1.30~5.50)	4.50 (1.30~5.50)
Current input (max.)	Cooling/heating indoor (A)	1	1	1	1
	Cooling/heating outdoor (A)	16	19	21	28
Indoor unit	Rated airflow (L/s)	385	525	550	635
	Sound pressure level (H/M/L) (dB(A))	43~48	47~52	47~52	47~52
	Dimensions (W × H × D), outline (mm)	840 × 240 × 840	840 × 290 × 840	840 × 290 × 840	910 × 290 × 910
	Net / Gross weight (kg)	29 / 37	33 / 41	34 / 42	43 / 53
Outdoor unit	Sound pressure level (dB(A))	56	60	60	61
	Dimensions (W × H × D) (mm)	980 × 790 × 427	1107 × 1100 × 440	1107 × 1100 × 440	1085 × 1365 × 427
	Net / Gross weight (kg)	69 / 74	91 / 100	101 / 111	117 / 128
Fascia	Dimensions (W × H × D) (mm)	952 x 60 x 952	952 x 60 x 952	952 x 60 x 952	1040 x 65 x 1040
	Net / Gross weight (kg)	7 / 11	7 / 11	7 / 11	8 / 12
Refrigerant charge	R410A (kg)	2.2	3.5	3.9	4.0
Pipe	Liquid size (mm)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)
	Gas size (mm)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Pre-charge length (m)	7.0	7.0	7.0	9.5
	Additional charge (g/m)	60	60	60	60
	Max distance height / length (m)	15 / 50	15 / 50	30 / 50	30 / 50
Electrical	Indoor to outdoor (mm^2)	2 x 0.75 non shielded	2 x 0.75 non shielded	2 x 0.75 non shielded	2 x 0.75 non shielded
	Power to indoor (mm^2)	3 x 1.0	3 x 1.0	3 x 1.0	3 x 1.0
	Power to outdoor (mm^2)	3 x 2.5	3 x 4.0	3 x 4.0	3 x 6.0
	Recommended fuse indoor (amp)	6	6	6	6
	Recommended fuse outdoor (amp)	20	25	25	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
	Heating (°C)	-10~24	-10~24	-10~24	-10~24

Notes

Notes

SEELEY INTERNATIONAL

BREEZAIR
Ducted Evaporative Air Conditioning

BRAEMAR
Ducted Evaporative Air Conditioning | Ducted Gas Heating | Add On Cooling
Reverse Cycle Air Conditioning | Gas Wall Furnaces and Space Heaters

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Indirect Evaporative Air Conditioning

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Portable Air Conditioning

COOLAIR
Ducted Evaporative Air Conditioning

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Indirect Evaporative Air Conditioning

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Commercial Gas Space Heating | Energy Recovery Systems

INTEGRATED COMFORT INCORPORATED (ICI)
Dual Cool® Patented Dual Evaporative pre-cooling products

seeleyinternational.com/braemar

1300 360 815

variety the children's charity

With the generous support of our Australasian dealers we are proud to be the National Variety Bash partner supporting kids in need across Australia.

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