

Leading edge
Reverse cycle air conditioning

Split systems



AUSTRALIAN
OWNED

“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:



NEW PRODUCT
INNOVATION
WINNER 2016

melbourne
design
awards



sydney
design
awards



NEW PRODUCT
INNOVATION
WINNER 2017



The ultimate choice for comfort in all conditions



WALL MOUNTED SPLIT SYSTEMS

The ideal solution to cool and heat just one room or area of the home or office.

A wall mounted split system air conditioner consists of two parts; a wall mounted indoor unit and an outdoor unit.



MULTI SPLIT

Multi split air conditioning enables the connection of up to five indoor units to a single outdoor unit.

A comprehensive range is available including wall mounted split systems, bulkhead ducted units.

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 Infiniti-Aire™ split system range uses eco friendly R410A refrigerant



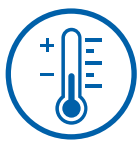
Standard features

The DC inverter technology difference

All Braemar split systems and multi split 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.

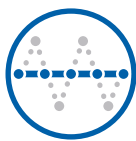
Compared to conventional models, inverter air conditioners provide:



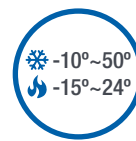
Quicker and finer temperature control and comfort



Significantly lower running costs



Elimination of temperature fluctuations

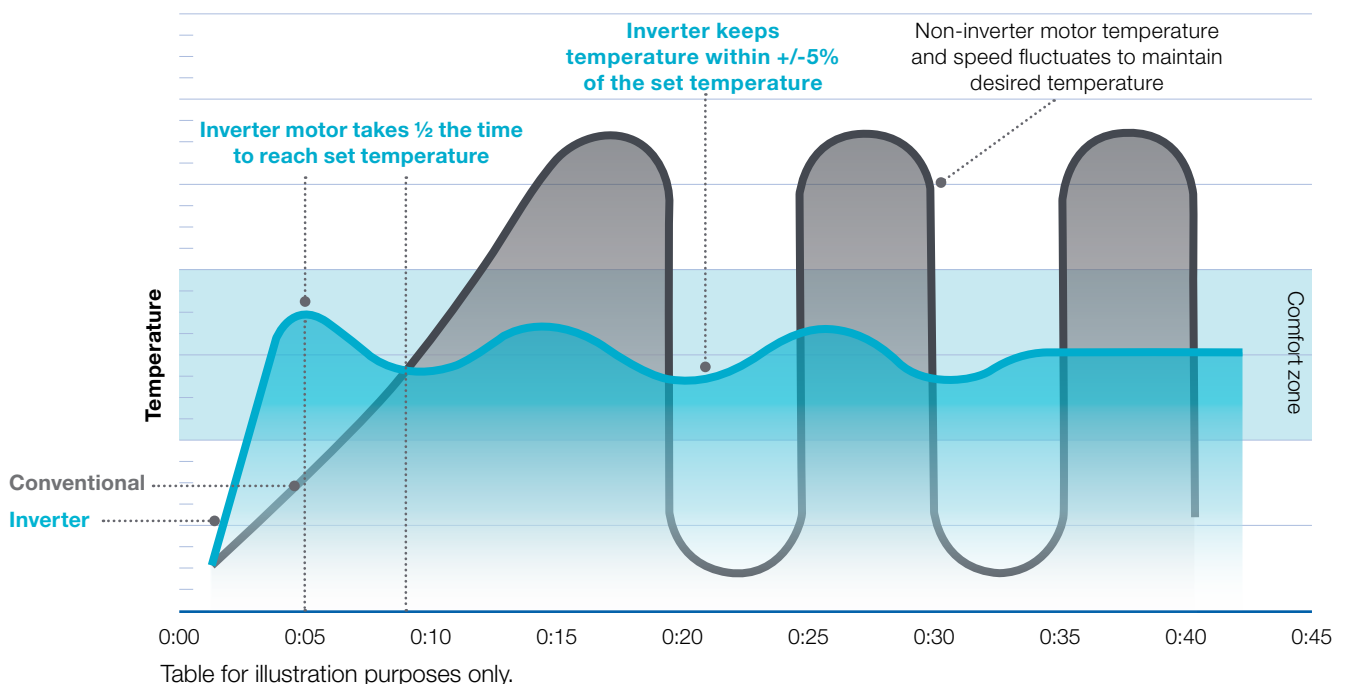


LSHV operating temperatures



Greatly reduced system noise inside and outside the home

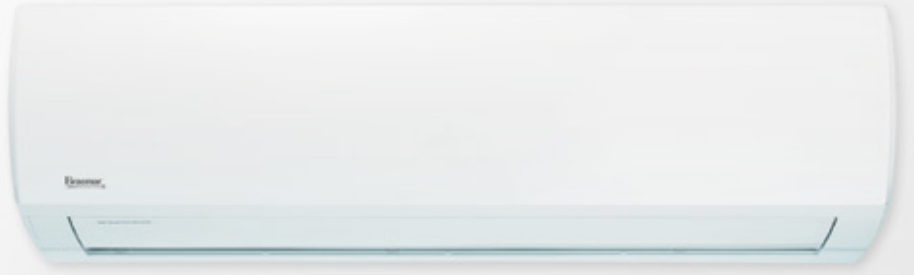
DC inverter technology vs. conventional



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.**



Wall mounted split system air conditioning

The ideal solution to cool or heat just one room or area of the home or office

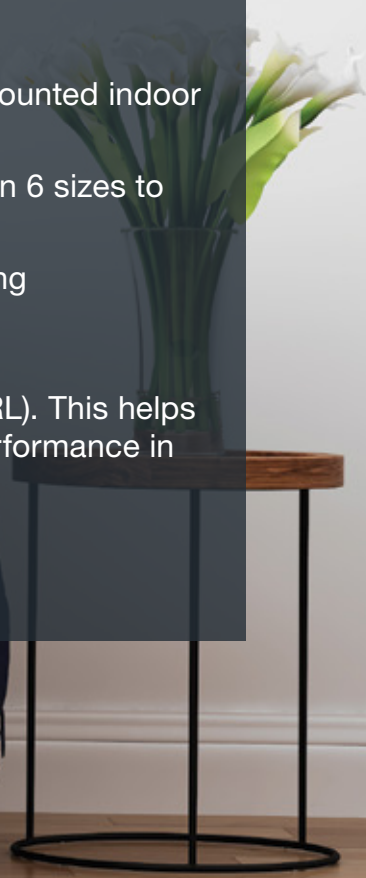
A wall mounted split system air conditioner consists of two parts; a wall mounted indoor unit and an outdoor unit.

The **Infiniti-Aire™** series has a sleek and modern design, and is available in 6 sizes to accommodate spaces from small bedrooms to large open plan areas.

The indoor unit also suits multi split air conditioning systems, thus delivering a consistent appearance throughout the home or office when a multi split is combined with single split systems.

The Infiniti-Aire™ series also has the new Zoned Energy Rating Label (ZERL). This helps consumers to make a more energy efficient choice based on the unit's performance in their location's climate.

For more information on ZERL and how to read the label, please visit:
<https://www.energyrating.gov.au/products/air-conditioners>



Infiniti-Aire™ inverter split system

Indoor unit



Compact, energy efficient and quietly powerful, the **Infiniti-Aire™ Inverter Split System** excels at single zone heating and cooling, while also being adaptable to multi split systems.



3D AIRFLOW
for total comfort
throughout
the home



I FEEL MODE
room temperature
controlled exactly where
it is required



LSHV operating
temperatures



ZERL
rated to the latest
energy rating label
standard.

- **Adaptable** to multi split system air conditioning.
- **7 fan settings.**
- **Compact** modern design.
- **Efficient** R410A refrigerant.
- **Available in** 6 capacities.



Standard with
EWPE Smart app
for Wi-Fi control



Additional features



Intelligent
auto-restart



Auto adjusted
sleep curves



Draught
protection



LED display



Timer



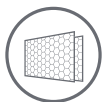
Intelligent
defrosting



3D Airflow



Turbo button



Protective
filters



Self-diagnostic



Dehumidification



Auto restart



Energy saving



Wi-Fi control



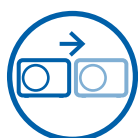
Wide operating
temperatures



Wired wall
controller (optional)
BACnet compatible

Infiniti-Aire™ inverter split system

Outdoor unit



FLEXIBLE OUTDOOR PLACEMENT

long pipe runs
(up to 25m)



GOLD FIN

Advanced protection
from the elements



SLIM DESIGN

allows more flexibility
in placing outdoor units



DRED

demand response
enabled device as
standard



R410A REFRIGERANT

high efficiency



Infiniti-Aire™ range

Specifications

Model No.	Indoor unit	LSHV25D1S	LSHV35D1S	LSHV50D1S	LSHV60D1S	LSHV70D1S	LSHV80D1S
	Outdoor unit	LCHV25D1S	LCHV35D1S	LCHV50D1S	LCHV60D1S	LCHV70D1S	LCHV80D1S
Capacity	Cooling (kW)	2.40 (0.20~3.70)	3.30 (0.5~4.00)	5.10 (1.80~6.00)	6.00 (1.50~8.60)	7.10 (1.10~9.40)	8.20 (1.70~9.30)
	Heating (kW)	2.87 (0.40~4.00)	3.80 (0.80~4.80)	5.40 (1.90~7.00)	7.00 (2.00~11.00)	8.00 (1.80~10.70)	8.80 (2.40~11.10)
ZERL Star rating (Hot / Average / Cold)	Cooling	4.0 / 3.5 / 3.5	3.5 / 3.0 / 3.0	3.0 / 2.5 / 2.5	3.0 / 3.0 / 3.0	3.5 / 3.0 / 3.0	3.5 / 3.0 / 3.5
	Heating	3.5 / 3.0 / 2.5	3.0 / 2.5 / 2.0	2.5 / 2.0 / 1.5	3.0 / 2.5 / 2.0	2.5 / 2.0 / 1.5	3.0 / 2.0 / 1.5
AEER / ACOP	W / W (tested)	4.11 / 4.08	3.74 / 3.75	3.45 / 3.58	3.78 / 4.10	3.30 / 3.31	3.26 / 3.24
EER / COP	W / W (rated)	4.26 / 4.17	3.84 / 3.84	3.52 / 3.62	3.81 / 4.09	3.38 / 3.39	3.46 / 3.28
Power supply	V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 50 / 1	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Power input	Cooling (kW)	0.57	0.87	1.46	1.57	2.13	2.50
	Heating (kW)	0.69	1.00	1.49	1.69	2.40	2.70
Current input (max.)	Cooling (A)	5.3	6.5	9.1	15.3	16.1	17.4
	Heating (A)	6.3	6.7	10.4	10.4	15.4	16.5
Indoor unit	Airflow volume (L/s)	69~175	109 - 189	97 - 250	194 - 375	208 - 389	208 - 389
	Sound pressure level max (dB(A))	40	44	48	50	51	52
	Sound power level max (dB(A))	51	57	62	62	62	64
	Dimensions (W × D × H) outline (mm)	845 x 209 x 289	845 x 209 x 289	970 x 224 x 300	1078 x 246 x 325	1078 x 246 x 325	1078 x 246 x 325
	Net / Gross weight (kg)	10.0 / 12.0	10.5 / 12.5	13.5 / 16.5	15.5 / 19.0	16.0 / 19.5	16.0 / 19.5
Outdoor unit	Sound pressure level max (dB(A))	50	52	57	57	59	59
	Sound power level max (dB(A))	59	62	67	65	65	67
	Dimensions (W × D × H) (mm)	782 x 320 x 540	848 x 320 x 596	965 x 396 x 700	965 x 396 x 700	965 x 396 x 700	980 x 427 x 790
	Net / Gross weight (kg)	30.0 / 32.5	33.0 / 36.0	45.0 / 49.5	53.5 / 58.0	53.5 / 58.0	65.0 / 70.0
Refrigerant	R410A (kg)	0.90	1.08	1.30	1.60	2.00	2.30
Pipe	Liquid pipe size (mm)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas pipe size (mm)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
	Pre-charge length (m)	10	10	10	10	10	10
	Additional charge (g/m)	20	20	20	20	20	20
	Max distance height / length (m)	10 / 15	10 / 20	10 / 25	10 / 25	10 / 25	10 / 25
Electrical	Indoor to outdoor (mm ²) (includes comms)	4 X 1.0	4 X 1.0	4 X 1.0	4 X 1.0	4 X 1.0	4 X 1.0
	Power to indoor (mm ²)	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor
	Power to outdoor (mm ²)	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.0	3 x 2.0	3 x 2.5
Set temp. range	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30
Ambient temperature range	Cooling (°C)	-10 ~ 50	-10 ~ 50	-10 ~ 50	-10 ~ 50	-10 ~ 50	-10 ~ 50
	Heating (°C)	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

*Part load AEER / ACOP used for MEPS compliance.

ZERL Zoned Energy Rating Label

For more information on ZERL, what it means for you, and how to read the new energy label, please visit:
<https://www.energyrating.gov.au/products/air-conditioners>



Multi split system air conditioning

A range of indoor units are available including wall mounted split systems, bulkhead units and ceiling cassettes.

Multi split system air conditioning enables the connection of up to five indoor units to a single outdoor unit.

Save running costs by heating or cooling rooms as required with different temperature settings in each room.

Multi split range

Multi split system air conditioning

Cool or heat multiple rooms individually from just one system, with a choice of different indoor solutions to suit your needs.



Wall mounted split systems

Sleek modern design

The Infiniti-Aire™ is available in 7 sizes

Refer to page 9 for more information.



Bulkhead units

A discreet option, hidden in the ceiling or in a space above a cupboard

Available in 5 different sizes.



Outdoor unit

A central slimline unit with long pipe run and easy installation.



Ceiling mounted cassette

Available in two sizes, with 4 fan settings, quiet operation and easy/flexible installation.

Wall Mounted inverter split systems

Indoor unit

Split systems are a wall mounted, modern design option.

The **Infiniti-Aire™** is available in 7 capacities.



I FEEL MODE

room temperature controlled exactly where it is required



WIFI CONTROL

from a smart device



QUIET

low indoor noise, even at full capacity



EFFICIENT

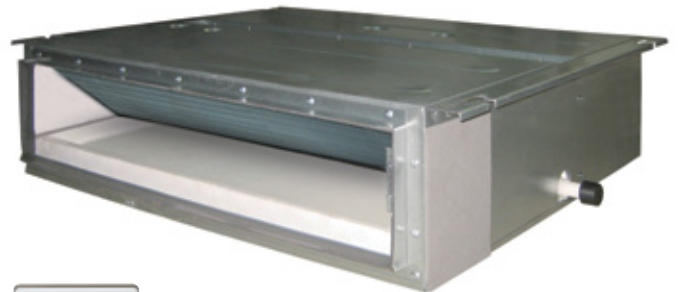
cools and heats quickly

Bulkhead

Indoor unit

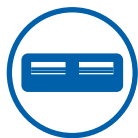
Bulkhead units are a discreet option, hidden in the ceiling or in a space above a cupboard. Comes standard with 2 controls.

Available in 5 sizes.



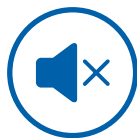
EFFICIENT

cools and heats quickly



LOW PROFILE

visually appealing with a discrete profile design



QUIET

low noise, even at full capacity



AUTO RESTART

permits automatic return to previous operating conditions



EASY AND FLEXIBLE INSTALLATION

built in condensate pump, a light weight fan and easy levelling

MBHV Cassette

Indoor unit

The ceiling mounted cassette

is available in two sizes, with 4 fan settings, quiet operation and easy/flexible installation.



AIRFLOW DISTRIBUTION

better airflow distribution from the ceiling



QUIET

low noise, even at full capacity



EFFICIENT

cools and heats quickly



EASY AND FLEXIBLE INSTALLATION

built in condensate pump, a light weight fan and easy levelling

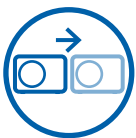


EASY MAINTENANCE

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

Multi split

Outdoor unit



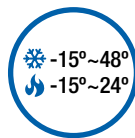
FLEXIBLE OUTDOOR PLACEMENT

long pipe runs (up to 75m total)



DRED

demand response enabled device as standard



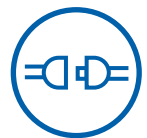
WIDE OPERATING RANGE

comfortability in extreme conditions (model specific)



SLIM DESIGN

allows more flexibility in placing outdoor units



FASTER INSTALLATION

single drain connection point

Multi split

Specifications

Infiniti-Aire™ indoor units

Model No.	Indoor unit	LSHV20D1S	LSHV25D1S	LSHV35D1S	LSHV50D1S	LSHV60D1S	LSHV70D1S	LSHV80D1S
Capacity	Cooling (kW)	2.02 (0.60~2.40)	2.4 (0.20~3.70)	3.30 (0.5~4.00)	5.10 (1.80~6.00)	6.00 (1.50~8.60)	7.10 (1.10~9.40)	8.20 (1.70~9.30)
	Heating (kW)	2.62 (0.60~3.70)	2.87 (0.40~4.00)	3.80 (0.80~4.80)	5.40 (1.90~7.00)	7.00 (2.00~11.00)	8.00 (1.80~10.70)	8.80 (2.40~11.10)
Indoor unit	Airflow volume (L/s)	69~175	69~175	109 - 189	97 - 250	194 - 375	208 - 389	208 - 389
	Sound pressure level max (dB(A))	40	40	44	48	50	51	52
	Sound power level max (dB(A))	54	51	57	62	62	62	64
	Dimensions (W × H × D), outline (mm)	845 x 209 x 289	845 x 209 x 289	845 x 209 x 289	970 x 224 x 300	1078 x 246 x 325	1078 x 246 x 325	1078 x 246 x 325
	Net / Gross weight (kg)	10.0 / 12.0	10.0 / 12.0	10.5 / 12.5	13.5 / 16.5	15.5/19.0	16.0 / 19.5	16.0 / 19.5
Pipe	Liquid pipe size (mm)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas pipe size (mm)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
Set temp. range	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30



MBHV indoor Cassette

Model No.	Indoor unit	MBHV45D1S TA03	MBHV71D1S TB04
Capacity	Cooling (kW)	4.5	7.1
	Heating (kW)	5.0	8.0
Sensible Capacity	(kW)	3.26	5.86
Indoor unit	Airflow volume (L/s)	167	328
	Sound pressure range (dB(A))	42 ~ 46	33~37
	Dehumidify Volume (L/Hr)	1.80	1.80
	Dimensions (W × D × H), (mm)	570 x 570 x 260	840 x 840 x 260
	Panel Dimensions (W × D × H), (mm)	650 x 650 x 60	950 x 950 x 60
	Net / Gross weight (kg)	18 / 23	25 / 33
Connection Pipe	Liquid (mm)	6.35 (1/4)	9.52 (3/8)
	Vapour (mm)	12.70 (1/2)	15.88 (5/8)



Bulkhead indoor units

Model No.	Indoor unit	MDHV25D1S	MDHV35D1S	MDHV50D1S	MDHV60D1S	MDHV70D1S
Capacity	Cooling (kW)	2.50	3.50	4.50	6.00	7.10
	Heating (kW)	2.80	3.85	5.50	6.60	8.00
Indoor unit	Airflow volume (L/s)	125	153	194	278	278
	Sound pressure level (dB(A))	31~37	32~39	33~41	34~42	34~42
	Dehumidify volume (L/h)	0.80	1.40	1.80	2.00	2.50
	Dimensions (W × H × D), outline (mm)	700 x 200 x 615	700 x 200 x 615	900 x 200 x 615	1100 x 200 x 615	1100 x 200 x 615
	Net / Gross weight (kg)	22 / 27	23 / 29	27 / 36	31 / 41	31 / 41
Pipe	Liquid size (mm)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas size (mm)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
Set temp. range	°C	16~30	16~30	16~30	16~30	16~30



Multi split

Specifications

Multi split outdoor units

Model No.	Outdoor unit	MCHV54D12	MCHV73D13	MCHV81D14	MCHV10D14	MCHV11D15
Capacity	Cooling (kW)	5.40 (2.85 - 6.50)	7.30 (4.50 - 10.00)	8.15 (5.00 - 10.00)	10.00 (2.60 - 10.50)	11.40 (2.60 - 12.00)
	Heating (kW)	5.50 (2.40 - 6.65)	8.80 (4.00 - 11.00)	9.30 (3.00 - 11.00)	11.20 (2.60 - 12.00)	12.00 (2.60 - 13.00)
	Max indoor conductivity (cool)	8.10	10.95	12.22	15.00	17.10
AEER / ACOP	W / W (tested)	3.66 / 3.83	3.33 / 3.62	3.42 / 3.55	3.49 / 3.88	3.19 / 3.78
EER / COP	W / W (rated)	3.53 / 3.59	3.49 / 3.52	3.54 / 3.66	3.33 / 3.61	3.26 / 3.69
Power supply	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)	1.53	2.18	2.43	3.00	3.50
	Heating (kW)	1.53	2.50	2.54	3.10	3.25
Current input (max.)	Cooling (A)	6.7	9.5	10.6	13.0	15.2
	Heating (A)	6.7	10.9	11.0	13.5	14.1
Outdoor unit	Maximum drive IDU No.	2	3	4	4	5
	Sound pressure level (dB(A))	56	58	58	61	61
	Dimensions (W × H × D), outline (mm)	963 x 700 x 396	1001 x 790 x 427	1001 x 790 x 427	1098 x 1106 x 440	1098 x 1106 x 440
	Net / Gross weight (kg)	47.0 / 51.5	59.0 / 64.0	65.0 / 70.0	89.0 / 98.0	90.0 / 98.0
Refrigerant charge	R410A (kg)	1.6	2.2	2.3	3.65	3.65
Pipe	Pre-charge length (m)	10	30	40	40	40
	Additional charge (g/m)	20	20	20	20 - 50	20 - 50
	Max pipe length - Indoor to outdoor (m)	10	20	20	25	25
	Max pipe length - Sum of all indoors (m)	20	60	70	75	75
	Field connections (mm/inch)	2 x 6.35 (1/4) 2 x 9.52 (3/8)	3 x 6.35 (1/4) 3 x 9.52 (3/8)	4 x 6.35 (1/4) 4 x 9.52 (3/8)	4 x 6.35 (1/4) 4 x 9.52 (3/8)	5 x 6.35 (1/4) 5 x 9.52 (3/8)
	Max vertical separation Indoor to indoor (m)	5	7.5	7.5	7.5	7.5
	Max vertical separation Indoor above or below outdoor (m)	5	10	10	15	15
Electrical	Maximum current (amp)	12	21	21	30	30
	Recommended fuse (amp)	16	25	25	32	32
Ambient temperature range	Cooling (°C)	-15 ~ 43	-15 ~ 43	-15 ~ 43	-7 ~ 48	-7 ~ 48
	Heating (°C)	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 30	-15 ~ 30

ZERL Zoned Energy Rating Label

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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

CLIMATE WIZARD

Indirect Evaporative Air Conditioning

CONVAIR

Portable Air Conditioning

COOLAIR

Ducted Evaporative Air Conditioning

COOLERADO

Indirect Evaporative Air Conditioning

AIRA

Direct and Indirect Evaporative Air Conditioning | Ducted Gas Heating
Commercial Gas Space Heating | Energy Recovery Systems

INTEGRATED COMFORT INCORPORATED (ICI)

Dual Cool® Patented Dual Evaporative pre-cooling products

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

Seeley International Pty Ltd
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seeleyinternational.com

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

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