Braemar
By SEELEY INTERNATIONAL™

AUSTRALIAN OWNED!

Reverse cycle air conditioning

Ducted, Multi-split and Wall-split systems

The Braemar Difference

"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

The Braemar inverter product range is sourced from the world's largest and most experienced manufacturer of refrigerated systems – Gree.

It is backed up by world class Australian manufacturer, Seeley International, providing leading-edge local service and support.

Quality

80 years history of Braemar excellence and reliability!

Leading technology and innovation come as standard

Australian owned

Seeley International, Australia's leading cooling and heating manufacturer

Cost effective

MEPS (Minimum Energy Performance Standards) compliant

DRED (Demand Response Enabling Device) capability

Warranty

Quality that lasts – 5 year comprehensive manufacturer's warranty

A network of highly professional dealers and service agents throughout Australia

Range

Braemar offers a comprehensive range to suit all requirements

Environment

The new single phase ducted reverse cycle air conditioner uses the latest eco-friendly R32 refrigerant

Award Winning Company

Seeley International consistently wins awards each year for new product design, innovation and environmental friendliness.

Recent awards include:

GOOD DESIGN Award

THE AUSTRALIAN BUSINESS AWARDS ABA100 NEW PRODUCT INNOVATION WINNER 2016

melbourne design awards

FBA Family Business Australia Distinguished Family Business of the Year 2019

Half a Century of Exporting Excellence 2018 BUSINESS SA EXPORT AWARDS WINNER

sydney design awards

THE AUSTRALIAN BUSINESS AWARDS ABA100 NEW PRODUCT INNOVATION WINNER 2017

The ultimate choice for comfort in all conditions

Ducted Reverse Cycle Systems

Split Systems & Multi-Split Systems

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) -15º~52º -15º~24º
- Greatly reduced system noise inside and outside the home

DC inverter technology vs. conventional

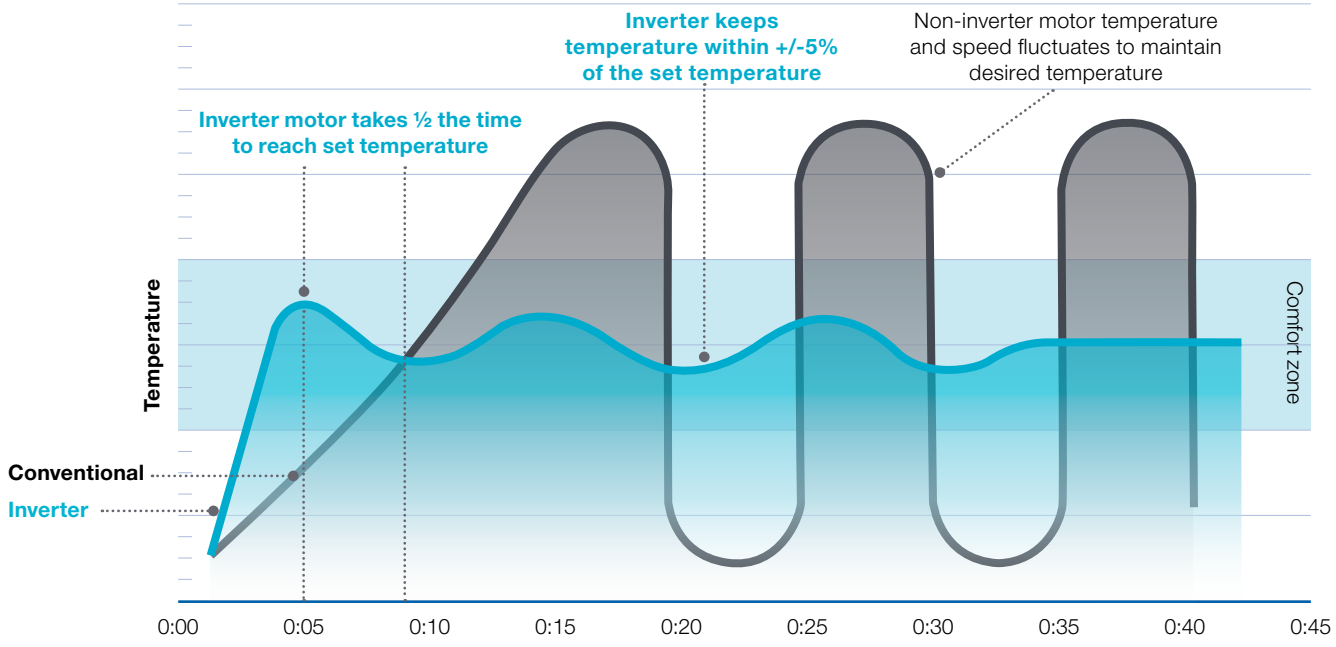


Table for illustration purposes only.

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 capability as standard.**

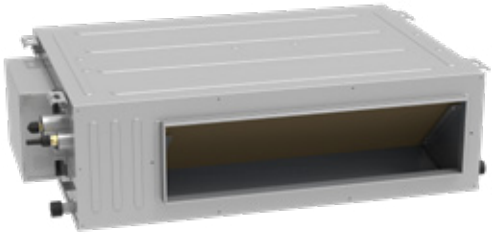
Ducted reverse cycle smart controllers

	Single Phase	Three Phase
	XE71 - standard	XK46 - standard
LCD backlit display For visibility at night.	✓	✓
5 modes Auto, cool, dry, fan, heat.	✓	✓
8 fan settings Auto, low, medium-low, medium, medium-high, high, super high & X-Fan.	✓	✓ 7 fan settings, no 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.	✓	✗
Weekly timer 7 or 14 day programmable weekly timer	✓	Upgrade available

Other controllers may be available, please check with the dealer.

NEW

Single phase ducted reverse cycle
Indoor unit



R32 REFRIGERANT
More environmentally friendly, R32 refrigerant global warming potential is 68% lower than R410A, with up to 30% reduction in charging quantity needed.

GOLD FIN
Protective coating on the indoor coil.

ZERL
Rated to the latest energy rating label standard.

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

Available in 5 sizes.

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

CONDENSATE PUMP AS STANDARD
All single phase ducted inverters have the option of utilising the built in drain pump or the gravity drain. The condensate pump has a 1m lift, making it easier to get the condensate away from the indoor unit and to the nearest drain point. This provides flexible installation options.

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.

Outdoor unit

BLACK FIN
Advanced protective coating on the outdoor coil to protect from the elements.

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. Easily fits into tighter spaces.

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

DRED AS STANDARD
Demand response enabled device capability is standard.

Pictured: KCHV140DIB

Pictured: KCHV070DIB

Three phase ducted reverse cycle
Indoor unit

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

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.

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, discreet and low profile design that can be concealed above ceilings to deliver conditioned air via ducting and suitable ceiling or wall grilles.

EFFICIENT AND QUIET
Inverter technology and installer settings tailoring airflow, all ensuring maximum efficiency and quietest operation.

Available in 2 sizes.

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 capability is standard.

GOLD FIN
Protective coating on the aluminium coil to prevent corrosion.

Single phase ducted reverse cycle
Specifications

Model			Outdoor	KCHV**070D1B**	KCHV**100D1B**	KCHV**125D1B**	KCHV**140D1B**	KCHV**160D1B**
			Indoor	KDHV**070D1S**	KDHV**100D1S**	KDHV**125D1S**	KDHV**140D1S**	KDHV**160D1S**
Cooling Capacity			kW	7.10	10.00	12.40	13.50	16.30
Cooling Capacity Range (Min ~ Max)			kW	2.40 ~ 8.00	3.20 ~ 11.00	3.60 ~ 12.80	6.80 ~ 16.00	6.00 ~ 17.00
Heating Capacity at 7°C			kW	8.00	12.00	14.00	16.00	18.60
Heating Capacity Range (Min ~ Max)			kW	2.20 ~ 9.00	3.00 ~ 13.50	3.60 ~ 14.50	4.50~17.00	7.00~19.00
Heating Capacity at 2°C			kW	5.95	7.10	10.64	10.65	12.93
AEER / ACOP			W / W	3.54 / 3.80	3.26 / 3.32	3.25 / 3.49	3.16 / 3.66	3.32 / 3.53
ZERL Star Rating Hot / Average / Cold		Cooling	-	3.0 / 3.0 / 3.0	3.0 / 2.5 / 2.5	3.0 / 3.0 / 3.0	3.0 / 2.5 / 3.0	3.0 / 3.0 / 3.0
		Heating	-	2.5 / 2.0 / 1.5	2.5 / 1.5 / 1.0	3.0 / 2.0 / 1.5	3.0 / 2.0 / 1.5	3.0 / 2.0 / 1.5
Electrical Data	Power Supply		V/Hz/Ph	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1
Indoor Unit	Rated Airflow		l/s	389	556	722	833	888
	Airflow (Min ~ Max)		l/s	250 ~ 583	333 ~ 833	444 ~ 1194	528 ~ 1194	556 ~ 1222
	Min ~ Max ESP		Pa	0 ~ 150	0 ~ 175	0 ~ 200	0 ~ 200	0 ~ 200
	Drain Pump		Y/N	Yes	Yes	Yes	Yes	Yes
	Sound Power Level		dB(A)	62	63	68	69	66
	Sound Pressure (Min ~ Max)		dB(A)	37 ~ 44	40 ~ 46	41 ~ 47	41 ~ 49	40 ~ 48
	Dimension	Outline Dimension (W×D×H)	mm	900 x 655 x 260	1000 × 700 × 300	1400 × 700 × 300	1400 x 700 x 300	1150 x 720 x 350
	Net Weight		kg	31.0	41.0	57.0	57.0	58.0
Outdoor Unit	Sound Power Level		dB(A)	66	71	69	72	74
	Sound Pressure		dB(A)	52	59	58	57	60
	Dimension	Outline Dimension (W×D×H)	mm	892 × 340 × 698	940 × 460 × 820	940 × 460 × 820	900 × 340 × 1345	940 × 320 × 1430
	Number of Fans		QTY	1	1	1	2	2
	Weight	Net Weight	kg	53.0	83.0	92.0	106.0	117.0
Ambient Temperature Operating Range		Cooling	°C	-15°C to 52°C	-15°C to 52°C	-15°C to 52°C	-15°C to 52°C	-15°C to 52°C
		Heating	°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C	-15°C to 24°C
Pipe	Outer Diameter	Liquid Pipe	mm (Inch)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)
		Gas Pipe	mm (Inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Max Distance	Height	m	25	30	30	30	30
		Length	m	50	65	75	75	75
Refrigerant		Pre-Charge Length	20m	R32				

Three phase ducted reverse cycle
Specifications

Model			Outdoor	SCHV**20D3S**	SCHV**24D3S**
			Indoor	SDHV**20D1S**	SDHV**24D1S**
Cooling Capacity			kW	20.00	24.00
Cooling Capacity Range (Min ~ Max)			kW	10.00 ~ 25.00	11.00 ~ 27.50
Heating Capacity			kW	22.40	26.00
Heating Capacity Range (Min ~ Max)			kW	10.00 ~ 30.00	11.00 ~ 33.00
AEER / ACOP			W / W	3.28 / 3.71	3.35 / 3.69
Electrical Data	Power Supply		V/Hz/Ph	380-415 / 50 / 3	380-415 / 50 / 3
Indoor Unit	Rated Airflow		l/s	1220	1390
	Airflow (Min ~ Max)		l/s	977 ~ 1222	1111 ~ 1389
	Min ~ Max ESP		Pa	0 ~ 250	0 ~ 250
	Drain Pump		Y/N	No	No
	Sound Pressure Level (Min ~ Max)		dB(A)	51 ~ 53	53 ~ 55
	Dimension	Outline Dimension (W×D×H)	mm	1690 x 870 x 440	1690 x 870 x 440
	Net Weight		kg	110.0	113.0
Outdoor Unit	Sound Pressure		dB(A)	60	62
	Dimension	Outline Dimension (W×D×H)	mm	940 x 460 x 1615	940 x 460 x 1615
	Number of Fans		QTY	2	2
	Weight	Net Weight	kg	155.0	175.0
Ambient Temperature Operating Range		Cooling	°C	-7 ~ 48	-7 ~ 48
		Heating	°C	-15 ~ 24	-15 ~ 24
Pipe	Outer Diameter	Liquid Pipe	mm (Inch)	9.53 (3/8)	9.53 (3/8)
		Gas Pipe	mm (Inch)	19.05 (3/4)	22.23 (7/8)
	Max Distance	Height	m	30	30
		Length	m	50	70
Refrigerant		Pre-Charge Length	7.5m	R410A	

Wall mounted split system air conditioning

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

Braemar split systems come in 6 capacities, to efficiently cool or heat any room - from the study to large open plan living spaces. Inverter technology, standard across the range, helps to reduce energy consumption, so you can **relax in comfort all year round.**

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 any particular climate.

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

ZERL Zoned Energy Rating Label

What you need to know

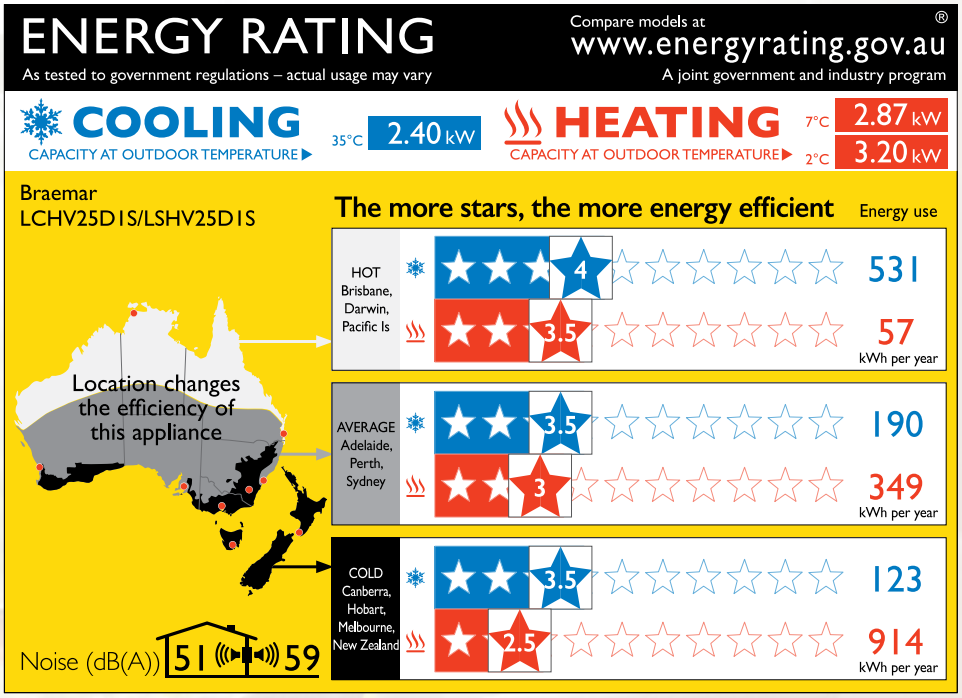
Energy rating labelling on air conditioners has taken a big leap forward, with the new Zoned Energy Rating Label (ZERL), mandatory on new models from April 1, 2020. The new label allows consumers to make a more informed decision for their heating and cooling, including how much heating and cooling power a model has, its energy efficiency based on location, its electricity usage and its noise production.

Cooling Capacity

This tells you how much cooling the air conditioner can provide. This example tells you that if the temperature outside is hot (35°C), then the appliance can provide 2.40 kilowatts (kW) of cooling. System size is critical, and will depend on size of space to cool, insulation, windows and shade. A correctly sized system will make your cooling more efficient and affordable.

Heating Capacity

This tells you how much heating the air conditioner can provide. This example tells you that if the temperature outside is cold (7°C), then the appliance can provide 2.87 kilowatts (kW) of heating, and if the temperature outside is very cold (2°C), then the appliance can provide 3.20 kW of heating.



Model name and number

Noise Levels - Sound Power

This tells you how loud the air conditioner will be when it is running. The number inside the house is how loud it will be inside the home, and the number outside the house is how loud it will be near the outside unit.

The sound pressure will vary depending upon the installation site. Hard surfaces can reflect noise and influence the sound levels heard both inside and outside the home.

Efficiency ratings based on location

The efficiency of a product will change, dependent on the location in which it operates. The new ZERL helps consumers to determine which model would work best in their location.

There are three bands of ratings, for Hot, Average and Cold areas in Australia and New Zealand. Use the map to see which area you live in, and which band you should use.

Electricity usage

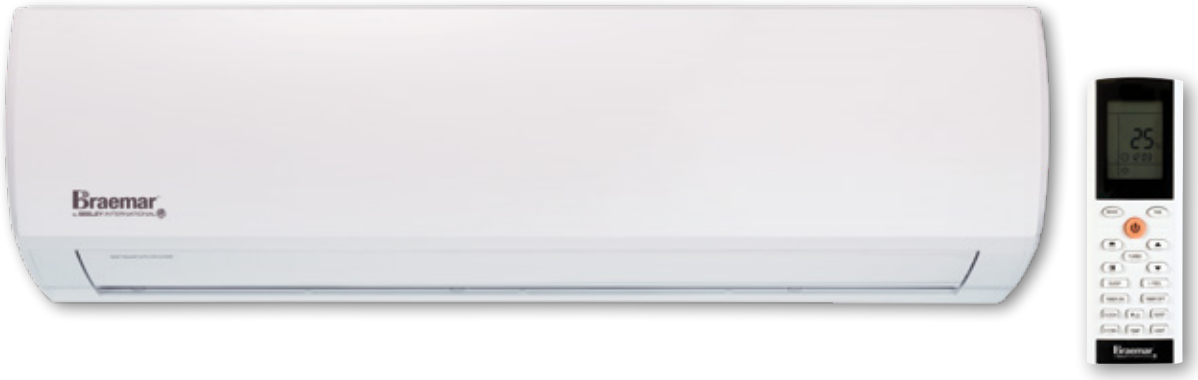
This tells you how much electricity the air conditioner will use each year for cooling and heating.

The lower the kWh used, the lower the cost to run the appliance. If you know your electricity tariff, you can multiply it by these figures to estimate yearly running costs.

Information source

All information on this page has been sourced from www.energyrating.gov.au. The ZERL pictured is for Braemar model LSHV25D1S.

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
-10°~50°
-15°~24°
operating temperatures

ZERL
rated to the latest energy rating label standard

- **8 fan settings** including X-Fan.
- **Compact** modern design.
- **Efficient** R410A refrigerant.
- **Available in** 6 capacities.
- **Dry connection available for gate-card** or remote on/off, great for schools or hotels.
- **Anti-corrodible coating** on printed circuit boards to protect electronics.

Wi-Fi control available through the **EWPE Smart** app

Additional features

- Intelligent auto-restart
- Auto adjusted sleep curves
- Draught protection
- X Fan
- Timer
- Intelligent defrosting
- 3D Airflow
- Turbo button
- Protective filters
- Self-diagnostic
- Wide operating temperatures -10°~50° -15°~24°
- Wired wall controller (optional) BACnet compatible
- Energy saving
- WI-FI control
- Dehumidification
- Auto restart

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
capability is standard

R410A REFRIGERANT
high efficiency

Ultimate inverter split system
Indoor unit

With its large capacities of 9.4kW cooling and 10.3kW heating, and more environmentally friendly R32 refrigerant, the **Ultimate Inverter Split System** is the natural choice for large open plan living spaces where high capacity heating and cooling is needed.

R32 REFRIGERANT
high efficiency, less risk of harm to the environment[1]

LARGE CAPACITY
perfect for large open plan living spaces or studios

3D AIRFLOW
for total comfort throughout the home

QUIET
low noise, even at full capacity

- **'I feel' mode** ensures the room temperature is controlled to exactly where it is required.
- **More precise** temperature control with settings variable by 0.1°C.
- **Standard white finish** for contemporary look.
- **Available in** 7 capacities.

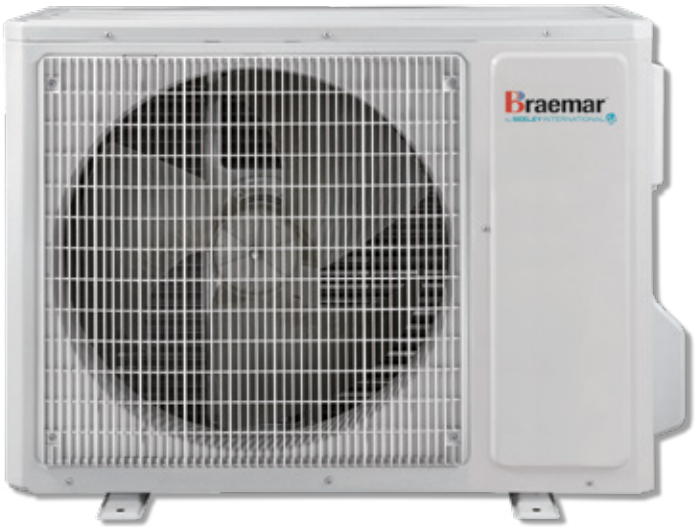
Wi-Fi control available through the **EWPE Smart** app

Additional features

Intelligent auto-restart
Auto adjusted sleep curves
Draught protection
LED display
Timer
Intelligent defrosting
Global remote control
Turbo button
Protective filters
Self-diagnostic
Dehumidification
Auto restart
Energy saving
8°C heating
Wide operating temperatures
Wired wall controller (optional) BACnet compatible

1. When compared to R410A refrigerant

Ultimate inverter split system
Outdoor units



GOLD FIN
advanced protection
from the elements

FLEXIBLE OUTDOOR PLACEMENT
long pipe runs
(up to 30m)

SLIM DESIGN
allows more flexibility
in placing outdoor units

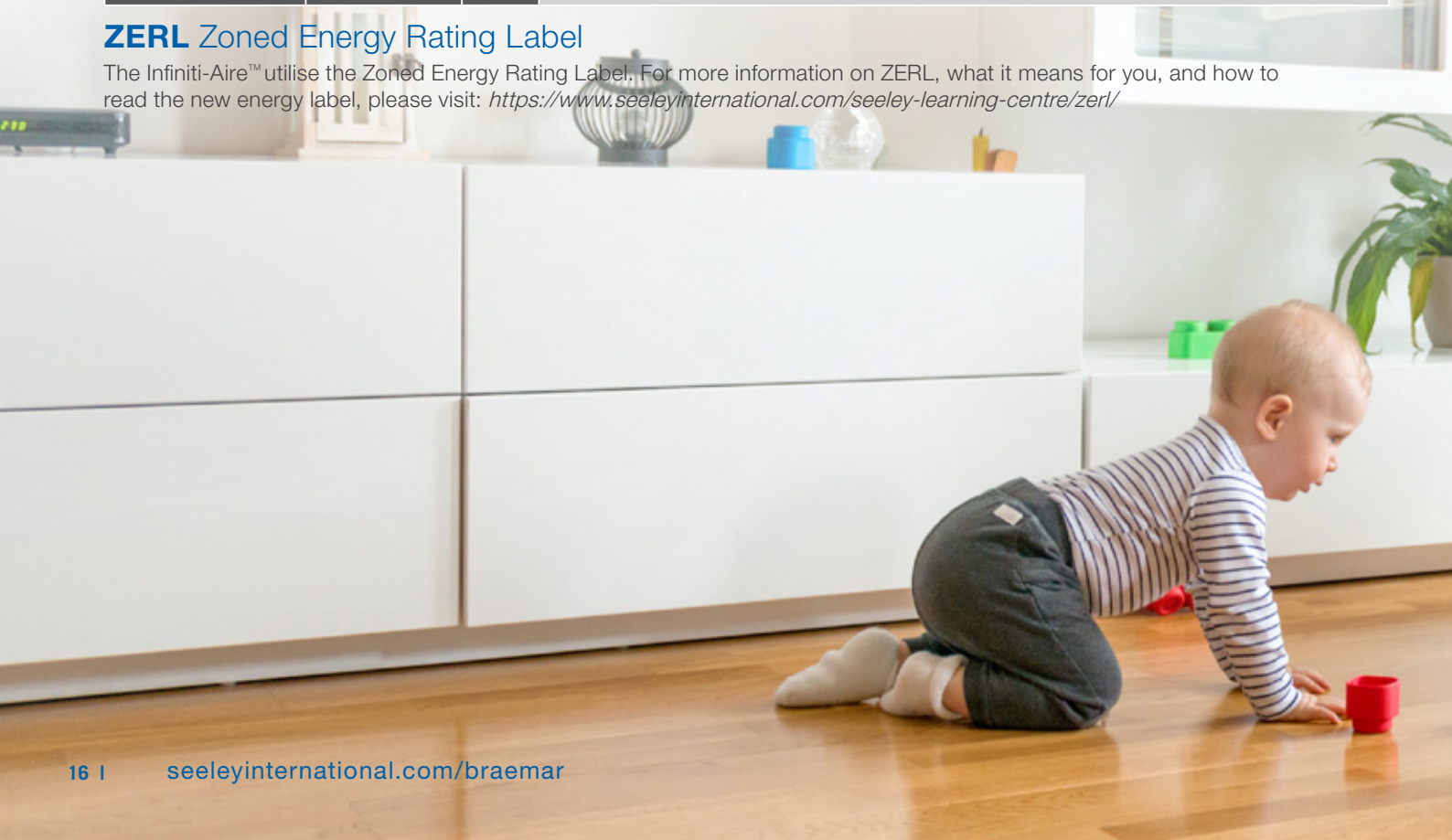
FASTER INSTALLATION
single drain
connection point

Infiniti-Aire™ range
Specifications

Model			Outdoor	LCHV**25D1S**	LCHV**35D1S**	LCHV**50D1S**	LCHV**60D1S**	LCHV**70D1S**	LCHV**80D1S**
			Indoor	LSHV**25D1S**	LSHV**35D1S**	LSHV**50D1S**	LSHV**60D1S**	LSHV**70D1S**	LSHV**80D1S**
Cooling Capacity			kW	2.40	3.30	5.10	6.00	7.10	8.20
Cooling Capacity Range (Min ~ Max)			kW	0.20 ~ 3.70	0.50 ~ 4.00	1.80 ~ 6.00	1.50 ~ 8.60	1.10 ~ 9.40	1.70 ~ 9.30
Heating Capacity at 7°C			kW	2.87	3.80	5.40	7.00	8.00	8.80
Heating Capacity Range (Min ~ Max)			kW	0.40 ~ 4.00	0.80 ~ 4.80	1.90 ~ 7.00	2.00 ~ 11.00	1.80 ~ 10.70	2.40 ~ 11.10
Heating Capacity at 2°C			kW	3.20	3.70	4.90	7.80	7.10	7.85
AEER / ACOP			W / W	4.11 / 4.08	3.74 / 3.75	3.45 / 3.58	3.78 / 4.10	3.30 / 3.31	3.26 / 3.24
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
Electrical Data	Power Supply		V/Hz/Ph	220-240 / 50 / 1					
Indoor Unit	Airflow (Min ~ Max)		l/s	69 ~ 175	109 ~ 189	97 ~ 250	194 ~ 375	208 ~ 389	208 ~ 389
	Sound Power Level		dB(A)	51	57	62	62	62	64
	Sound Pressure (Min ~ Max)		dB(A)	22 ~ 40	26 ~ 44	26 ~ 48	35 ~ 50	35 ~ 51	35 ~ 52
	Dimension	Outline Dimension (W×D×H)	mm	845 x 209 x 289		970 x 224 x 300	1078 x 246 x 325		
	Net Weight		kg	10.0	10.5	13.5	15.5	16.0	16.0
Outdoor Unit	Sound Power Level		dB(A)	59	62	67	65	65	67
	Sound Pressure Level		dB(A)	50	52	57	57	59	59
	Dimension	Outline Dimension (W×D×H)	mm	782 x 320 x 540	848 x 320 x 596	965 x 396 x 700			980 x 427 x 790
	Weight	Net Weight	kg	30.0	33.0	45.0	53.5	53.5	65.0
Ambient Temperature Operating 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
Pipe	Outer Diameter	Liquid Pipe	mm (Inch)	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	mm (Inch)	9.53 (3/8)	9.53 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
	Max Distance	Height	m	10	10	10	10	10	10
		Length	m	15	20	25	25	25	25
Refrigerant		Pre-Charge Length	10m	R410A					

ZERL Zoned Energy Rating Label

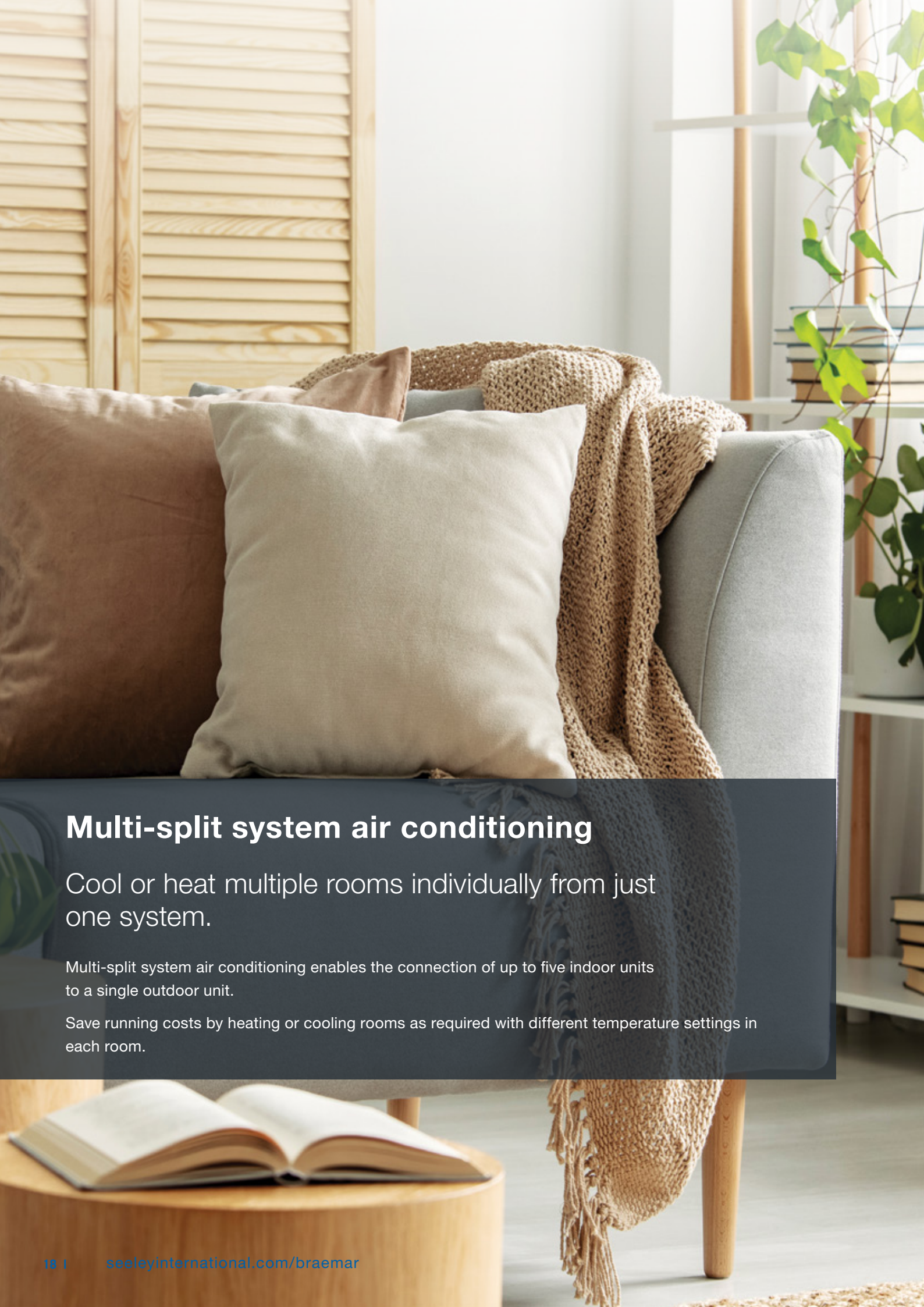
The Infiniti-Aire™ utilise the Zoned Energy Rating Label. For more information on ZERL, what it means for you, and how to read the new energy label, please visit: *https://www.seeleyinternational.com/seeley-learning-centre/zerl/*



Ultimate range
Specifications

Model			Outdoor	KCHV**90D1S**
			Indoor	KSHV**90D1S**
Cooling Capacity			kW	9.40
Cooling Capacity Range (Min ~ Max)			kW	2.10 ~ 10.60
Heating Capacity			kW	10.30
Heating Capacity Range (Min ~ Max)			kW	2.60 ~ 11.60
AEER / ACOP			W / W	3.50 / 3.51
Star Rating		Cooling	-	2.5
		Heating	-	2.5
Electrical Data	Power Supply		V/Hz/Ph	220-240 / 50 / 1
Indoor Unit	Rated Airflow		l/s	403
	Sound Pressure (Min ~ Max)		dB(A)	29 ~ 55
	Dimension	Outline Dimension (W×D×H)	mm	1350 x 253 x 326
	Net Weight		kg	19.5
Outdoor Unit	Sound Pressure Level		dB(A)	60
	Dimension	Outline Dimension (W×D×H)	mm	980 x 427 x 790
	Weight	Net Weight	kg	65.5
Ambient Temperature Operating Range		Cooling	°C	-15 ~ 48
		Heating	°C	-15 ~ 24
Pipe	Outer Diameter	Liquid Pipe	mm (Inch)	6.35 (1/4)
		Gas Pipe	mm (Inch)	15.88 (5/8)
	Max Distance	Height	m	20
		Length	m	30
Refrigerant		Pre-Charge Length	5m	R32

Please note, as the Ultimate Inverter series was released prior to April 1 2020, Zoned Energy Ratings Labels (ZERL) are not available. Please speak with your dealer as to the suitability of this large capacity unit.



Multi-split system air conditioning

Cool or heat multiple rooms individually from just one system.

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.

Wall mounted split systems

The Infiniti-Aire™ multi-split range is available in 7 sizes.

Refer to page 12 for more information on the indoor units.

Outdoor unit

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

Wall Mounted inverter split systems
Indoor unit

Split systems offer a wall mounted, modern design option.

The **Infiniti-Aire**™ is available in 7 sizes for multi-split system configurations.

I FEEL MODE
room temperature controlled to exactly where it is required

WIFI CONTROL
from a smart device

QUIET
low indoor noise, even at full capacity

EFFICIENT
cools and heats quickly

Multi-split
Outdoor unit

FLEXIBLE OUTDOOR PLACEMENT
long pipe runs (up to 75m total)

DRED
demand response enabled device capability is standard

WIDE OPERATING RANGE
comfort in extreme conditions (model specific)
-15°~48°
-15°~30°

SLIM DESIGN
allows more flexibility in placing outdoor units

FASTER INSTALLATION
single drain connection point

Multi-split
Specifications

Infiniti-Aire™ indoor units

Model			Indoor	LSHV**20D1S**	LSHV**25D1S**	LSHV**35D1S**	LSHV**50D1S**	LSHV**60D1S**	LSHV**70D1S**	LSHV**80D1S**
Cooling Capacity			kW	2.02	2.40	3.30	5.10	6.00	7.10	8.20
Cooling Capacity Range (Min ~ Max)			kW	0.60 ~ 2.40	0.20 ~ 3.70	0.50 ~ 4.00	1.80 ~ 6.00	1.50 ~ 8.60	1.10 ~ 9.40	1.70 ~ 9.30
Heating Capacity			kW	2.62	2.87	3.80	5.40	7.00	8.00	8.80
Heating Capacity Range (Min ~ Max)			kW	0.20 ~ 3.70	0.40 ~ 4.00	0.80 ~ 4.80	1.90 ~ 7.00	2.00 ~ 11.00	1.80 ~ 10.70	2.40 ~ 11.10
Indoor Unit	Airflow (Min ~ Max)		l/s	69 ~ 175	69 ~ 175	109 ~ 189	97 ~ 250	194 ~ 375	208 ~ 389	208 ~ 389
	Sound Power Level		dB(A)	54	51	57	62	62	62	64
	Sound Pressure (Min ~ Max)		dB(A)	23 ~ 40	22 ~ 40	26 ~ 44	26 ~ 48	35~ 50	35 ~ 51	35 ~ 52
	Dimension	Outline Dimension (W×D×H)	mm	845 x 209 x 289			970 x 224 x 300	1078 x 246 x 325		
	Net Weight		kg	10.0	10.0	10.5	13.5	15.5	16.0	16.0
Pipe	Outer Diameter	Liquid Pipe	mm (Inch)	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	mm (Inch)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
	Max Distance	Height	m	10	10	10	10	10	10	10
		Length	m	15	15	20	25	25	25	25

*LSHV20DIS by special order only

Multi-split outdoor units

Model			Outdoor	MCHV**54D12**	MCHV**73D13**	MCHV**81D14**	MCHV**10D14**	MCHV**11D15**
Cooling Capacity			kW	5.40	7.30	8.15	10.25	11.40
Cooling Capacity Range (Min ~ Max)			kW	2.85 ~ 6.50	4.50 ~ 10.00	5.00 ~ 10.00	2.60 ~ 10.50	2.60 ~ 12.00
Heating Capacity			kW	5.50	8.80	9.30	11.20	12.00
Heating Capacity Range (Min ~ Max)			kW	2.40 ~ 6.65	4.00 ~ 11.00	3.00 ~ 11.00	2.60 ~ 12.00	2.60 ~ 13.00
Max Indoor Capacity				8.10	10.95	12.22	15.00	17.10
AEER / ACOP			W / W	3.66 / 3.83	3.33 / 3.62	3.42 / 3.55	3.49 / 3.88	3.19 / 3.78
Electrical Data	Power Supply		V/Hz/Ph	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1
Outdoor Unit	Maximum Drive IDU No.			2	3	4	4	5
	Sound Pressure Level		dB(A)	56	58	58	61	61
	Dimension	Outline Dimension (W×D×H)	mm	955 x 396 x 700	1001 x 427 x 790		1098 x 440 x 1103	
	Number of Fans		QTY	1	1	1	1	1
	Weight	Net Weight	kg	47.0	59.0	65.0	89.0	90.0
Ambient Temperature Operating 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
Pipe	Outer Diameter	Liquid Pipe	mm (Inch)	2 x 6.35 (1/4)	3 x 6.35 (1/4)	4 x 6.35 (1/4)	4 x 6.35 (1/4)	5 x 6.35 (1/4)
		Gas Pipe	mm (Inch)	2 x 9.53 (3/8)	3 x 9.53 (3/8)	4 x 9.53 (3/8)	4 x 9.53 (3/8)	5 x 9.53 (3/8)
	Max Distance	Height	m	5.0	5.0	5.0	7.5	7.5
		Length	m	10.0	20.0	20.0	25.0	25.0
		Sum of all Indoor Units	m	20.0	60.0	70.0	75.0	75.0
Refrigerant		Pre-Charge Length	R410A	10	30	40	40	40

FAQs

Single vs Three phase - what's best?

Single phase is the standard method of distribution of electric power in most homes. For larger homes with multiple high powered appliances, three phase power is generally recommended, and will deliver a much more consistent power supply than a single phase. It is important to choose your air conditioner based on your requirements, rather than the power supply readily available. Your dealer will be able to provide more guidance.

I have a two storey home, can I install a ducted reverse cycle system?

If your home is being newly built, we strongly encourage you to incorporate HVAC ductwork cavities into the building plans, if they have not been included already. For an existing home, the design will largely determine where, and if, it is possible to get ductwork from the top to the bottom storey. They are generally run through cupboards, walk-in robes and linen closets for example. Speak with your dealer for an in-home assessment for the best solution for your home.

Should I zone my home?

Zoning your ducted air conditioner gives you greater control and flexibility over where and how you heat and cool your home. For example, typically, bedrooms and living areas are zoned separately, as they are usually utilised at different times of day. This can also result in energy savings as you aren't unnecessarily cooling or heating the entire home, or spaces not in use.

Will a split system suit my needs?

Split systems are a cost effective way to heat and cool one room in your home. The Braemar range comes in a number of capacities, to suit small studies, right up to large open plan living spaces. Installation costs are generally much lower than for ducted systems, making split systems an attractive choice for budget conscious home owners who still want efficient, quick heating and cooling in single rooms, to large spaces.

I live on the coast, will the coil on my outdoor unit corrode?

All Braemar reverse cycle products feature a protective coating called Gold Fin or Black Fin on their outdoor coils. This coating helps to protect the coil from water, salt and acid damage. The protective coating also improves efficiency and operating performance.

Where should the outdoor unit be installed?

There are several factors worth considering, when installing an outdoor unit. A shaded, dry and well ventilated area is best, clear from trees or areas of dust build up, to help keep air conditioning coils free from dirt and blockage. A unit installed in full sun will need to work harder than one installed in a shaded area. However, the outdoor unit does produce some noise when in operation, so take into consideration the location of your bedrooms and neighbouring properties. Avoid places where the sound may be amplified.

Considerations when locating the outdoor unit:

1. Proximity to the indoor unit.
2. Proximity to bedrooms and neighbouring properties.
3. An area that will enable sufficient clearance for good airflow.

Placing the outdoor unit in a location that might be out of sight, but in a very cramped area, will increase the systems' input power and decrease the cooling and heating performance. Air deflection louvres are available from your Braemar dealer to assist with directing the outlet air away from the intake, helping to improve performance and economy when tight spaces cannot be avoided.

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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.

Seeley International Pty Ltd
ABN 23 054 687 035
112 O'Sullivan Beach Road, Lonsdale, SA 5160
Phone: (08) 8328 3850 Fax: (08) 8328 3950
Email: enquiries@seeleyinternational.com
seeleyinternational.com

Cat No M457 REV A (0721)