

Leading edge

# Reverse cycle air conditioning

Split systems & window wall air conditioners



*“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 award winning company

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

Recent awards include:



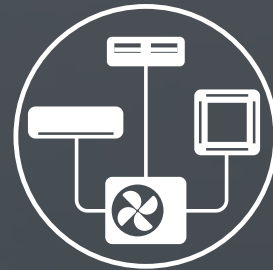
# The ultimate choice for comfort in all conditions



## 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.



## CEILING MOUNTED CASSETTES

A discreet solution for a living room or other single room of the home or office.

It consists of two parts; an indoor unit and an outdoor unit.



## WINDOW WALL AIR CONDITIONERS

Energy-efficient, easy to install, a window wall air conditioner is an ideal solution to cool or heat a single room.

Window wall is a refrigerative air conditioner, which works by drawing warm air through the side of the unit then forcing hot air outside through condenser coils and cooled air indoors over evaporator coils.

# 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

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 **Ultimate** split systems and Window Wall air conditioners use R32 refrigerant that has a global warming potential factor 65% lower and is much more energy efficient than R410A



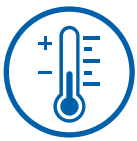
# Standard features

## 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.

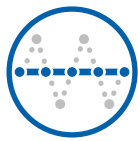
Compared to conventional models, inverter air conditioners provide:



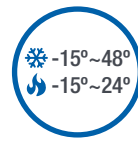
Quicker and finer temperature control and comfort



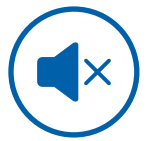
Significantly lower running costs



Elimination of temperature fluctuations



Wider operating temperatures (model specific)



Greatly reduced system noise inside and outside the home

## DC inverter technology vs. conventional

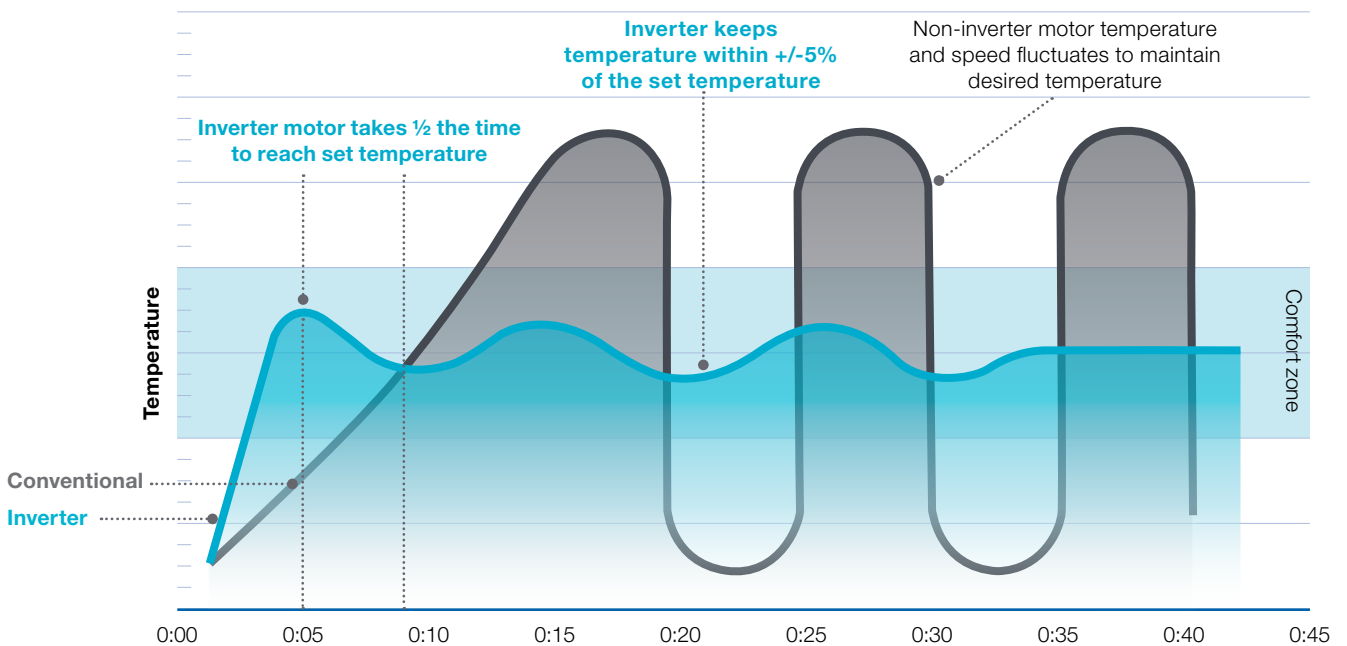


Table for illustration purposes only.



## 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.**



# 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.

Braemar offers the **Ultimate** and **Universal** ranges, all with a sleek and modern design.

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.



# Ultimate inverter split system

## Indoor unit



With next generation R32 refrigerant, which has a global warming potential factor 65% lower and is much more energy efficient than R410A, the **Ultimate Inverter Split System** is the natural choice.



**R32 REFRIGERANT**  
high efficiency, less risk of harm to the environment\*



**MARKET LEADING**  
best star ratings across the range



**3D AIRFLOW**  
for total comfort throughout the home



**QUIET**  
low noise, even at full capacity



**ADAPTABLE**  
to multi split air conditioning



Standard with **EWPE Smart** app for Wi-Fi control

- **'I feel' mode** ensures the room temperature is controlled exactly where it is required.
- **30% more airflow** to maximise heating and cooling.
- **More precise** temperature control with settings variable by 0.1°C.
- **Standard white finish** for contemporary look.
- **Available in** 7 capacities.

## Additional features



Intelligent auto-restart



Auto adjusted sleep curves



Draught protection



LED display



Timer



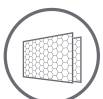
Intelligent defrosting



Global remote control



Turbo button



Protective filters



Self-diagnostic



Dehumidification



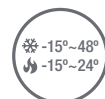
Auto restart



Energy saving



8°C heating



Wide operating temperatures



Wired wall controller (optional)  
BACnet compatible

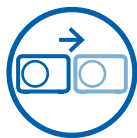
\*When compared to R410A refrigerant

# Ultimate inverter split system

## Outdoor unit



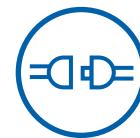
**R32 REFRIGERANT**  
high efficiency,  
less risk of harm to  
the environment\*



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



**SLIM DESIGN**  
allows more flexibility  
in placing outdoor units



**FASTER INSTALLATION**  
single drain  
connection point





# Ultimate range

## Specifications

Model No.	Indoor unit	KSHV25D1S	KSHV35D1S	KSHV52D1S	KSHV60D1S	KSHV70D1S	KSHV80D1S	KSHV90D1S
	Outdoor unit	KCHV25D1S	KCHV35D1S	KCHV52D1S	KCHV60D1S	KCHV70D1S	KCHV80D1S	KCHV90D1S
Capacity	Cooling (kW)	2.50 (1.00~3.40)	3.50 (1.00~4.00)	5.20 (2.00~7.50)	6.10 (2.00~9.00)	7.00 (2.00~8.70)	8.00 (2.00~9.50)	9.40 (2.10~10.60)
	Heating (kW)	3.20 (0.80~4.80)	3.80 (0.60~4.80)	5.80 (2.00~8.20)	7.30 (1.90~9.20)	8.00 (2.00~9.60)	9.00 (2.00~10.00)	10.30 (2.60~11.60)
	Heating H2 (kW)	3.3	3.4	3.4	4.85	5.2	5.5	-
Star rating	Cooling	6.0	5.0	4.5	3.5	3.0	2.5	2.5
	Heating	5.0	5.0	4.0	3.5	3.0	2.5	2.5
AEER / ACOP	W / W (tested)	5.38 / 4.79	4.75 / 4.76	4.54 / 4.28	4.10 / 4.06	3.82 / 3.83	3.60 / 3.63	3.50 / 3.51
EER / COP	W / W (rated)	5.43 / 4.78	4.86 / 4.87	4.60 / 4.33	4.04 / 4.06	3.89 / 3.85	3.64 / 3.53	3.52 / 3.78
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	220-240 / 1 / 50	220-240 / 1 / 50
Power input	Cooling (kW)	0.46 (0.21~1.35)	0.72 (0.20~1.25)	1.13 (0.43~2.30)	1.51 (0.54~3.40)	1.80 (0.45~3.70)	2.20 (0.45~3.70)	2.67 (0.60~4.00)
	Heating (kW)	0.67 (0.18~1.45)	0.78 (0.18~1.40)	1.34 (0.30~2.40)	1.80 (0.50~3.40)	2.08 (0.45~3.80)	2.55 (0.45~3.80)	3.05 (0.50~4.00)
	Heating H2 (kW)	1.1	1.0	1.0	1.3	1.5	1.6	-
Current input (max.)	Rated Input (Cooling / Heating) (W)	1400 / 1500	1250 / 1400	2300 / 2400	3400 / 3400	3700 / 3800	3700 / 3800	4000 / 4000
	Cooling (A)	2.65	3.50	5.12	6.70	9.00	9.00	12.20
	Heating (A)	3.20	3.60	5.24	8.00	10.00	10.00	14.00
Indoor unit	At rated power input (A)	6.0	6.0	12.4	15.0	17.5	17.5	18.5
	Airflow volume (L/s)	208	236	347	403	403	403	403
	Sound pressure level (dB(A))	19~43	19~43	29~48	29~52	28~53	28~53	29~55
	Dimensions (W × H × D), outline (mm)	798 x 295 x 222	798 x 295 x 222	1078 x 325 x 246	1078 x 325 x 246	1078 x 325 x 246	1078 x 325 x 246	1350 x 326 x 253
Outdoor unit	Net / Gross weight (kg)	10 / 11.5	10.5 / 12	15.5 / 19	15.5 / 19	16.5 / 20	16.5 / 20	19.5 / 24
	Sound pressure level (dB(A))	53	53	57	57	59	59	60
	Dimensions (W × H × D) (mm)	899 x 596 x 378	899 x 596 x 378	955 x 700 x 396	955 x 700 x 396	980 x 790 x 427	980 x 790 x 427	980 x 790 x 427
Refrigerant charge	R32 (kg)	1.05	1.13	1.20	1.20	2.00	2.00	2.10
Pipe	Net / Gross weight (kg)	38 / 41	38 / 41	46 / 50.5	52 / 56.5	64 / 69	64 / 69	65.5 / 70.5
	Liquid 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 size (mm)	9.52 (3/8")	9.52 (3/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Pre-charge length (m)	5	5	5	5	5	5	5
	Additional charge (g/m)	16	16	40	40	50	50	50
Electrical	Max distance height / length (m)	10 / 15	10 / 20	10 / 25	10 / 25	20 / 30	20 / 30	20 / 30
	Indoor to outdoor (mm <sup>2</sup> ) (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	4 x 1.0
	Power to indoor (mm <sup>2</sup> )	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor
	Power to outdoor (mm <sup>2</sup> )	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5
Set temp. range	Recommended fuse (amp)	10.0	16.0	16.0	25.0	25.0	25.0	25.0
	°C	16~30	16~30	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	-15~48	-15~48
	Heating (°C)	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24

# Universal inverter split system

## Indoor unit



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



### EFFICIENT

cools and heats quickly with horizontal louvres, up and down airflow



### I FEEL MODE

room temperature controlled exactly where it is required



### AUTO RESTART

permits automatic return to previous operating conditions



### QUIET

low noise, even at full capacity

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

## Additional features



Long distance airflow



Auto adjusted sleep curves



Draught protection



Timer



Turbo button



Clock display



Self-diagnostic



Temperature lock



LED display



Intelligent defrosting



Low voltage startup



Auto clean



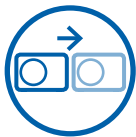
Automatic operation



Dehumidification

# Universal inverter split system

## Outdoor unit



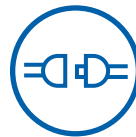
### FLEXIBLE OUTDOOR PLACEMENT

long pipe runs  
(up to 30m)



### SLIM DESIGN

allows more flexibility  
in placing outdoor units



### FASTER INSTALLATION

single drain  
connection point



### R410A REFRIGERANT

high efficiency



# Universal range

## Specifications

Model No.	Indoor unit	BSHV25D1S	BSHV35D1S	BSHV50D1S	BSHV60D1S	BSHV70D1S	BSHV80D1S
	Outdoor unit	BCHV25D1S	BCHV35D1S	BCHV50D1S	BCHV60D1S	BCHV70D1S	BCHV80D1S
Capacity	Cooling (kW)	2.60 (0.80~3.70)	3.50 (0.90~3.90)	5.20 (0.65~6.00)	6.30 (0.70~7.00)	7.00 (1.40~8.70)	8.00 (1.40~8.70)
	Heating (kW)	2.80 (0.80~3.80)	3.85 (1.20~4.00)	5.85 (0.97~7.00)	6.30 (0.95~8.00)	7.50 (1.05~10.00)	8.40 (1.50~10.00)
Star rating	Cooling	3.0	2.5	1.5	1.5	1.5	1.5
	Heating	3.0	2.5	1.5	1.5	1.5	1.5
AEER / ACOP	W / W (tested)	3.94 / 3.81	5.05* / 4.50*	3.31* / 4.22*	3.28* / 3.36*	3.66* / 3.83*	3.70* / 3.96*
EER / COP	W / W (rated)	3.82 / 3.84	3.68 / 3.74	3.27 / 3.27	3.26 / 3.26	3.27 / 3.26	3.25 / 3.29
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	220-240 / 1 / 50
Power input	Cooling (kW)	0.68 (0.16~1.10)	0.95 (0.30~1.10)	1.59 (0.31~2.10)	1.93 (0.31~2.25)	2.14 (0.47~3.60)	2.46 (0.47~3.60)
	Heating (kW)	0.73 (0.22~1.20)	1.03 (0.35~1.20)	1.79 (0.31~2.50)	1.93 (0.31~2.55)	2.30 (0.42~3.60)	2.55 (0.42~3.60)
Current input (max.)	Cooling (A)	8	9	12	12	16	16
	Heating (A)	8	9	12	12	16	16
Indoor unit	Airflow volume (L/s)	94~161	97~161	153~236	153~264	250~333	250~333
	Sound pressure level (dB(A))	41~50	43~52	50~56	49~61	50~61	50~61
	Dimensions (W × H × D), outline (mm)	845 x 275 x 180	845 x 275 x 180	940 x 298 x 200	1007 x 315 x 219	1178 x 326 x 253	1178 x 326 x 253
	Net / Gross weight (kg)	9.5 / 11.5	9.5 / 11.5	13.0 / 16.0	16.0 / 19.5	17.5 / 21.5	17.5 / 21.5
Outdoor unit	Sound pressure level (dB(A))	60	62	66	66	69	69
	Dimensions (W × H × D) (mm)	776 x 540 x 320	842 x 596 x 320	955 x 700 x 396	955 x 700 x 396	980 x 790 x 427	980 x 790 x 427
	Net / Gross weight (kg)	28.5 / 31.5	34.0 / 37.0	44.0 / 48.5	50.0 / 54.5	65.0 / 70.0	70.0 / 75.0
Refrigerant charge	R410A (kg)	0.87	1.20	1.20	1.90	1.80	2.40
Pipe	Liquid 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 size (mm)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Pre-charge length (m)	7.5	7.5	7.5	7.5	7.5	7.5
	Additional charge (g/m)	20	20	20	50	50	50
	Max distance height / length (m)	10 / 15	10 / 20	10 / 25	10 / 25	10 / 30	10 / 30
Electrical	Indoor to outdoor (mm <sup>2</sup> ) (includes comms)	1.0	1.0	1.0	1.0	1.0	1.0
	Power to indoor (mm <sup>2</sup> )	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor
	Power to outdoor (mm <sup>2</sup> )	1.0	1.5	1.5	1.5	2.5	2.5
	Recommended fuse (amp)	10	16	16	16	25	25
Set temp. range	°C	16~30	16~30	16~30	16~30	16~30	16~30
Ambient temperature range	Cooling (°C)	18~48	18~48	18~43	18~43	18~43	18~43
	Heating (°C)	-15~24	-15~24	-7~24	-7~24	-7~24	-7~24

\*Part load AEER / ACOP used for MEPS compliance.



# Multi split system air conditioning

**A range of indoor units are available including wall mounted split systems, bulkhead ducted units.**

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 Ultimate is available in 8 sizes

Refer to page 7 for more information.



### Bulkhead ducted units

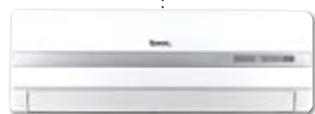
A discreet option, hidden in the ceiling or in a space above a cupboard

Available in 5 different sizes.



### Outdoor unit

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



### Wall mounted split systems

The Universal is available in 6 sizes

Refer to page 10 for more information.

# Wall Mounted inverter split systems

## Indoor unit

**Split systems** are a wall mounted, modern design option.

The Ultimate is available in 7 capacities and the Universal is available in 6 capacities.



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



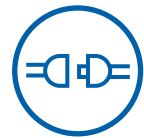
**WIFI CONTROL**  
from a smart device (Ultimate models only)



**QUIET**  
low noise, even at full capacity



**EFFICIENT**  
cools and heats quickly



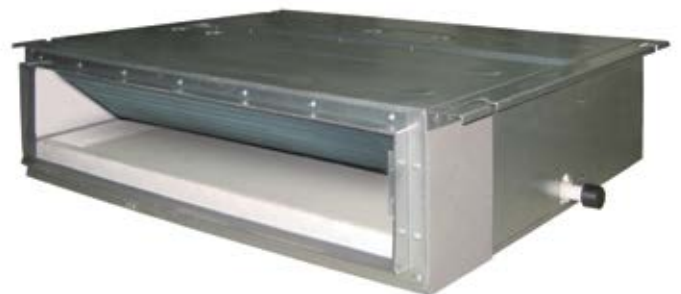
**FASTER INSTALLATION**  
single drain connection point

# Bulkhead ducted

## Indoor unit

**Bulkhead ducted units** are a discreet option, hidden in the ceiling or in a space above a cupboard.

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



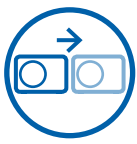
**AUTO RESTART**  
permits automatic return to previous operating conditions



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

# Multi split

## Outdoor unit



### FLEXIBLE OUTDOOR PLACEMENT

long pipe runs  
(up to 75m)



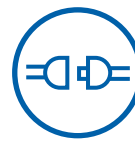
### WIDE OPERATING RANGE

comfortability in  
extreme conditions  
(model specific)



### SLIM DESIGN

allows more flexibility  
in placing outdoor units



### FASTER INSTALLATION

single drain  
connection point





# Controllers










Wall mounted inverter split systems



Ultimate


















Universal

-  **5 modes**  
Auto, cool, dry, fan, heat.
-  **7 fan settings (Ultimate)**  
Auto, low, medium low, medium, medium high, high, turbo.
-  **5 fan settings (Universal)**  
Auto, low, medium, high, turbo.
-  **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 air conditioner runs more quietly.
-  **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.
-  **Timer**  
Delay the on/off of the air conditioner to save money.
-  **Error code display on fascia**  
Assists in fault identification and troubleshooting. Also displays when DRED is in operation.

Bulkhead ducted systems



-  **LCD backlit display**  
For visibility at night.
-  **5 modes**  
Auto, cool, dry, fan, heat.
-  **4 fan settings**  
Auto, low, medium, 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 air conditioner 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.
-  **Blow 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.

# Multi split

## Specifications

### Ultimate indoor units

Model No.	Indoor unit	KSHV25D1S	KSHV35D1S	KSHV52D1S	KSHV60D1S	KSHV70D1S	KSHV80D1S	KSHV90D1S
Capacity	Cooling (kW)	<b>2.50</b> (1.00~3.40)	<b>3.50</b> (1.00~4.00)	<b>5.20</b> (2.00~7.50)	<b>6.10</b> (2.00~9.00)	<b>7.00</b> (2.00~8.70)	<b>8.00</b> (2.00~9.50)	<b>9.40</b> (2.10~10.60)
	Heating (kW)	<b>3.20</b> (0.80~4.80)	<b>3.80</b> (0.60~4.80)	<b>5.80</b> (2.00~8.20)	<b>7.30</b> (1.90~9.20)	<b>8.00</b> (2.00~9.60)	<b>9.00</b> (2.00~10.00)	<b>10.30</b> (2.60~11.60)
Indoor unit	Airflow volume (L/s)	208	236	347	403	403	403	403
	Sound pressure level (dB(A))	19~43	19~43	29~48	29~52	28~53	28~53	29~55
	Dimensions (W x H x D), outline (mm)	798 x 295 x 222	798 x 295 x 222	1078 x 325 x 246	1078 x 325 x 246	1078 x 325 x 246	1078 x 325 x 246	1350 x 326 x 253
	Net / Gross weight (kg)	10 / 11.5	10.5 / 12	15.5 / 19	15.5 / 19	16.5 / 20	16.5 / 20	19.5 / 24
Pipe	Liquid 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 size (mm)	9.52 (3/8")	9.52 (3/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	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

### Universal indoor units

Model No.	Indoor unit	BSHV25D1S	BSHV35D1S	BSHV50D1S	BSHV60D1S	BSHV70D1S	BSHV80D1S
Capacity	Cooling (kW)	<b>2.60</b> (0.80~3.70)	<b>3.50</b> (0.90~3.90)	<b>5.20</b> (0.65~6.00)	<b>6.30</b> (0.70~7.00)	<b>7.00</b> (1.40~8.70)	<b>8.00</b> (1.40~8.70)
	Heating (kW)	<b>2.80</b> (0.80~3.80)	<b>3.85</b> (1.20~4.00)	<b>5.85</b> (0.97~7.00)	<b>6.30</b> (0.95~8.00)	<b>7.50</b> (1.05~10.00)	<b>8.40</b> (1.50~10.00)
Indoor unit	Airflow volume (L/s)	94~161	97~161	153~236	153~264	250~333	250~333
	Sound pressure level (dB(A))	31~40	33~42	35~46	39~51	40~51	40~51
	Dimensions (W x H x D), outline (mm)	845 x 275 x 180	845 x 275 x 180	940 x 298 x 200	1007 x 315 x 219	1178 x 326 x 253	1178 x 326 x 253
	Net / Gross weight (kg)	9.5 / 11.5	9.5 / 11.5	13.0 / 16.0	16.0 / 19.5	17.5 / 21.5	17.5 / 21.5
Pipe	Liquid 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 size (mm)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Set temp. range	°C	16~30	16~30	16~30	16~30	16~30	16~30

## Bulkhead ducted 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 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 connectability (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

# SBHV single ceiling mounted cassette

## Indoor units



### 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



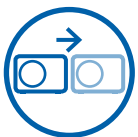
### EASY MAINTENANCE

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

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

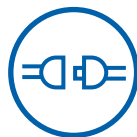
# SBHV single ceiling mounted cassette

## Outdoor units



### FLEXIBLE OUTDOOR PLACEMENT

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



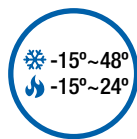
### QUICK AND EASY INSTALLATION

Single drain connection point allows for quick and easy installation.



### SLIM DESIGN

Allows more flexibility in placing outdoor units.



### WIDE OPERATING RANGE

Comfortability in extreme conditions (model specific)



# SBHV single ceiling mounted cassette

## Specifications

Model No.	Indoor unit	SBHV07D1S	SBHV10D1S	SBHV12D1S	SBHV14D1S
	Outdoor unit	SCHV07D1S	SCHV10D1S	SCHV12D1S	SCHV14D1S
	Fascia	TC04	TC04	TC04	TC05
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 <sup>2</sup> )	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 <sup>2</sup> )	3 x 1.0	3 x 1.0	3 x 1.0	3 x 1.0
	Power to outdoor (mm <sup>2</sup> )	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

# R32 window wall air conditioners



Comfortable Sleep Mode



Fresh Air Supply Ventilation



Cold Air Prevention



Timer



Auto Restart



Automatic Operation

- **3 speed fan with Auto Mode** the fan speed automatically adjusts as the room temperature changes.
- **Sleep Function** the sleep function changes the set point temperature after one and then two hours. This follows a more natural sleep pattern.
- **Fresh Air Ventilation** adjust the slider to ventilate and expel smoke and odours from the room.
- **Anti-Corrosion Protection** Hydrophilic Blue Fin Coils. Galvanised and painted slide out chassis
- **Digital Display** air conditioner can be run via the digital control panel on the unit or the remote control\*.

\*The KWCF16D1S is manually controlled, has no remote control or digital display, Auto Mode or Sleep mode. All other models have a remote control.

# R32 window wall air conditioners

## Specifications

MODEL		Cool Only	Cool Only	Reverse Cycle	Cool Only	Reverse Cycle	Cool Only	Reverse Cycle
		KWCF16D1S	KWCF22D1S	KWHF25D1S	KWCF39D1S	KWHF39D1S	KWCF60D1S	KWHF60D1S
Cooling Capacity	kW	1.6	2.2	2.7	3.9	3.9	6	6
Heating Capacity	kW	–	–	2.45	–	3.6	–	5.5
Dimension (W×H×D)	mm	450×350×580	560×375×668		660×428×700			
GPO Rating	A	10	10	10	10	10	15	15
Star Rating	c/h	2	2	1.5/2	2	2/2	2	2/2
Air Flow (H/M/L)	l/s	97/83/69	133/119/106		186/172/158		250/236/222	
Weight	nett/gross kg	30/33	39/43	44/48	54/59	57/62	65/70	68/73
Refrigerant		R32						
Ambient Temperature Range (Cooling)	°C	18 to 43						
Ambient Temperature Range (Heating)	°C	–	–	-7 to 30	–	-7 to 30	–	-7 to 30
Sound Pressure Level (H/M/L)	indoor dB (A)	48/46/44	49/47/45		50/48/46		56/54/52	
	outdoor dB (A)	56	57	57	58	58	64	64
General Control Function	Wireless Remote	NO	YES	YES	YES	YES	YES	YES
	Auto	NO	YES	YES	YES	YES	YES	YES
	Cooling	YES	YES	YES	YES	YES	YES	YES
	Heating	NO	NO	YES	NO	YES	NO	YES
	Dehumidify	NO	YES	YES	YES	YES	YES	YES
	Sleep	NO	YES	YES	YES	YES	YES	YES
	Timer	NO	YES	YES	YES	YES	YES	YES
	Auto Swing (Horizontal Auto Swing)	YES	YES	YES	YES	YES	YES	YES
	Energy Saving	NO	YES	YES	YES	YES	YES	YES
	Self Diagnosis	NO	YES	YES	YES	YES	YES	YES
Ventilation	YES	YES	YES	YES	YES	YES	YES	





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Ducted Evaporative Air Conditioning

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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

### **COOLERADO**

Indirect Evaporative Air Conditioning

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Commercial Gas Space Heating | Energy Recovery Systems

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