

# Leading edge **Wall mounted split and multi split air conditioning**



*“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 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:



sydney  
design  
awards



melbourne  
design  
awards





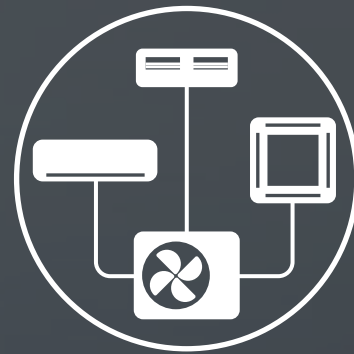
# The natural choice for **comfort in all conditions**



## **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 and ceiling mounted cassettes.

# 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** range uses R32 refrigerant that has a global warming potential factor three times lower and is much more energy efficient than R410A

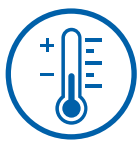
# Standard features

## 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.

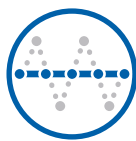
**Compared to conventional models, inverter air conditioners provide:**



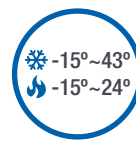
Quicker and finer temperature control and comfort



Significantly lower running costs



Elimination of temperature fluctuations

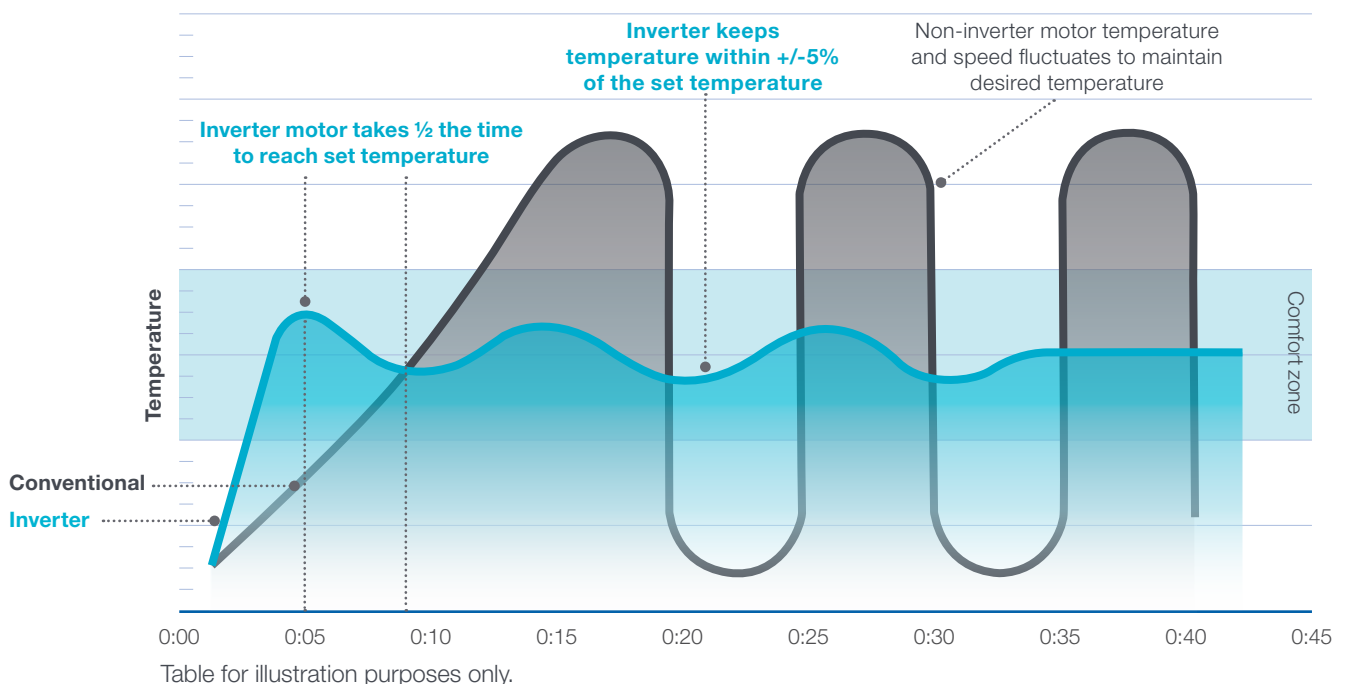


Wider operating temperatures (model specific)



Greatly reduced system noise inside and outside the home

## DC inverter technology vs. conventional



## 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 units



With next generation R32 refrigerant, which has a global warming potential factor three times 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

- **'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** 8 sizes.



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



## Additional features



Intelligent auto-restart



Auto adjusted sleep curves



Draught protection



LED display



Timer



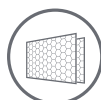
Intelligent defrosting



Global remote control



Turbo button



Protective filters



Self-diagnostic



Dehumidification



Auto restart



Energy saving



8°C heating



Wide operating temperatures



Wired wall controller (optional)

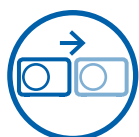
\*When compared to R410A refrigerant

# Ultimate inverter split system

## Outdoor units



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



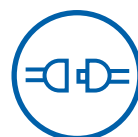
**FLEXIBLE OUTDOOR  
PLACEMENT**  
long pipe runs  
(up to 30m)



**BETTER  
PERFORMANCE**  
gold fin performs 3x  
better under sea spray  
than blue fin



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



**FASTER  
INSTALLATION**  
single drain  
connection point





# Universal inverter split system

## Indoor units



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 sizes.
- **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 units



### FLEXIBLE OUTDOOR PLACEMENT

long pipe runs  
(up to 30m)



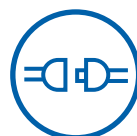
### BETTER PERFORMANCE

blue fin coil protection



### SLIM DESIGN

allows more flexibility  
in placing outdoor units



### FASTER INSTALLATION

single drain  
connection point



### R410A REFRIGERANT

high efficiency



# 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



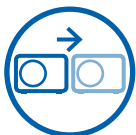
### EASY MAINTENANCE

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.



### SLIM DESIGN

Allows more flexibility in placing outdoor units.



### QUICK AND EASY INSTALLATION

Single drain connection point allows for quick and easy installation.





# Ultimate range

## Specifications

Model No.	Indoor unit	KSHV25D1S	KSHV35D1S	KSHV46D1S	KSHV52D1S	KSHV60D1S	KSHV70D1S	KSHV80D1S	KSHV90D1S
	Outdoor unit	KCHV25D1S	KCHV35D1S	KCHV46D1S	KCHV52D1S	KCHV60D1S	KCHV70D1S	KCHV80D1S	KCHV90D1S
Capacity	Cooling (kW)	2.50 (1.00~3.40)	3.50 (1.00~4.00)	4.60 (1.70~6.90)	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)	4.70 (1.60~6.80)	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	3.5	3.4	4.85	5.2	5.5	-
Star rating	Cooling	6.0	5.0	3.5	4.5	3.5	3.0	2.5	2.5
	Heating	5.0	5.0	3.5	4.0	3.5	3.0	2.5	2.5
AEER / ACOP	W / W (tested)	5.38 / 4.79	4.75 / 4.76	4.07 / 4.03	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	4.14 / 4.09	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	220-240 / 1 / 50
Power input	Cooling (kW)	0.46 (0.21~1.35)	0.72 (0.20~1.25)	1.11 (0.47~2.30)	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)	1.15 (0.65~2.35)	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	1.0	1.3	1.5	1.6	-
	Rated Input (Cooling / Heating) (W)	1400 / 1500	1250 / 1400	2300 / 2350	2300 / 2400	3400 / 3400	3700 / 3800	3700 / 3800	4000 / 4000
Current input (max.)	Cooling (A)	2.65	3.50	5.12	5.12	6.70	9.00	9.00	12.20
	Heating (A)	3.20	3.60	5.24	5.24	8.00	10.00	10.00	14.00
	At rated power input (A)	6.0	6.0	10.7	12.4	15.0	17.5	17.5	18.5
Indoor unit	Airflow volume (L/s)	208	236	250	347	403	403	403	403
	Sound pressure level (dB(A))	19~43	19~43	28~53	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	970 x 300 x 224	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	13.5 / 16.5	15.5 / 19	15.5 / 19	16.5 / 20	16.5 / 20	19.5 / 24
Outdoor unit	Sound pressure level (dB(A))	53	53	56	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	955 x 700 x 396	980 × 790 x 427	980 × 790 x 427	980 × 790 x 427
	Net / Gross weight (kg)	38 / 41	38 / 41	46 / 50.5	46 / 50.5	52 / 56.5	64 / 69	64 / 69	65.5 / 70.5
Refrigerant charge	R32 (kg)	1.05	1.13	1.10	1.20	1.20	2.00	2.00	2.10
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")	6.35 (1/4")
	Gas size (mm)	9.52 (3/8")	9.52 (3/8")	12.70 (1/2")	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	5
	Additional charge (g/m)	16	16	16	40	40	50	50	50
	Max distance height / length (m)	10 / 15	10 / 20	10 / 25	10 / 25	10 / 25	20 / 30	20 / 30	20 / 30
Electrical	Indoor to outdoor (mm²) (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	4 x 1.0
	Power to indoor (mm²)	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor
	Power to outdoor (mm²)	3 x 1.0	3 x 1.0	3 x 1.5	3 x 1.5	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5
	Recommended fuse (amp)	10.0	10.0	16.0	16.0	25.0	25.0	25.0	25.0
Set temp. range	°C	16~30	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	-15~48
	Heating (°C)	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24

# Universal range

## Specifications

Model No.	Indoor unit	BSHV25D1S	BSHV35D1S	BSHV50D1S	BSHV60D1S	BSHW70D1S	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))	31~40	33~42	35~46	39~51	40~51	40~51
	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))	50	52	56	56	59	59
	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.

# 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)	3.35 / 3.35	3.33 / 3.43	3.29 / 3.29	3.26 / 3.56
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)	389	528	556	639
	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 (mm²)	2 x 0.75 non shielded (H05RN-F)	2 x 0.75 non shielded (H05RN-F)	2 x 0.75 non shielded (H05RN-F)	2 x 0.75 non shielded (H05RN-F)
	Power to indoor (mm²)	3 x 1.0 (H05RN-F)	3 x 1.0 (H05RN-F)	3 x 1.0 (H05RN-F)	3 x 1.0 (H05RN-F)
	Power to outdoor (mm²)	3 x 2.5 (H07RN-F)	3 x 4.0 (H07RN-F)	3 x 4.0 (H07RN-F)	3 x 6.0 (H07RN-F)
	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





# Multi split split system air conditioning

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



## Wall mounted split systems

Sleek modern design

The Ultimate is available in 8 sizes and the Universal is available in 6 sizes.



## Ceiling mounted cassettes

Ideal for open plan applications

Available in 3 sizes.



## 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.



# Split systems

## Indoor units

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

The Ultimate is available in 8 sizes and the Universal is available in 6 sizes.



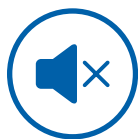
### I FEEL MODE

room temperature controlled exactly where it is required



### WIFI CONTROL

from a smart device (Ultimate models only)



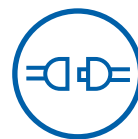
### QUIET

low noise, even at full capacity



### EFFICIENT

cools and heats quickly



### FASTER INSTALLATION

single drain connection point

# Ceiling mounted cassettes

## Indoor units

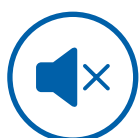
**Ceiling mounted cassettes** are ideal for open plan applications.

Available in 3 sizes.



### EFFICIENT

cools and heats quickly



### 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



### EASY MAINTENANCE

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

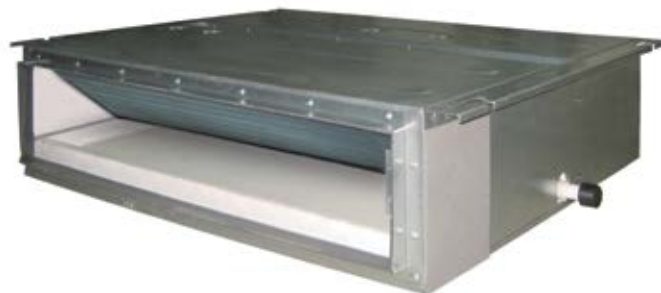


# Bulkhead ducted

## Indoor units

**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

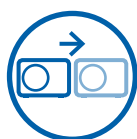


### **EASY AND FLEXIBLE INSTALLATION**

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

# Multi split

## Outdoor units



### **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

# Smart controllers

## Ultimate inverter split systems



### 5 modes

Auto, cool, dry, fan, heat.



### 7 fan settings

Auto, low, medium low, medium, medium high, 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.

## Cassette and ducted multi split 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	KSHV46D1S	KSHV52D1S	KSHV60D1S	KSHV70D1S	KSHV80D1S	KSHV90D1S
Capacity	Cooling (kW)	2.50 (1.00~3.40)	3.50 (1.00~4.00)	4.60 (1.70~6.90)	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)	4.70 (1.60~6.80)	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)
Indoor unit	Airflow volume (L/s)	208	236	250	347	403	403	403	403
	Sound pressure level (dB(A))	19~43	19~43	28~53	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	970 x 300 x 224	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	13.5 / 16.5	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")	6.35 (1/4")
	Gas size (mm)	9.52 (3/8")	9.52 (3/8")	12.70 (1/2")	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	16~30

### Universal indoor units

Model No.	Indoor unit	BSHV25D1S	BSHV35D1S	BSHV50D1S	BSHV60D1S	BSHV70D1S	BSHV80D1S
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)
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 × 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
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

### Ceiling mounted cassette indoor units

Model No.	Indoor unit	MBHV35D1S	MBHV45D1S	MBHV71D1S
Capacity	Cooling (kW)	3.50	4.50	7.10
	Heating (kW)	4.00	5.00	8.00
Indoor unit	Airflow volume (L/s)	167	167	328
	Sound pressure level (dB(A))	42~46	42~46	33~39
	Dimensions (W × H × D), outline (mm)	570 x 260 x 570	570 x 260 x 570	840 x 260 x 840
	Panel Dimensions (W × H × D), outline (mm)	650 x 60 x 650	650 x 60 x 650	950 x 60 x 950
	Net / Gross weight (kg)	18 / 23	18 / 23	28 / 35
Pipe	Liquid size (mm)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)
	Gas size (mm)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)
Set temp. range	°C	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	5.00	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 unit combinations

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

## Notes

# Notes



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