

Wall-mounted inverter split system air conditioning

What is wall-mounted inverter split system air conditioning?

Wall-mounted inverter split system air conditioning is an ideal solution to cool or heat just one room or area of your home or office.



It consists of a wall-mounted indoor unit and an outdoor unit.

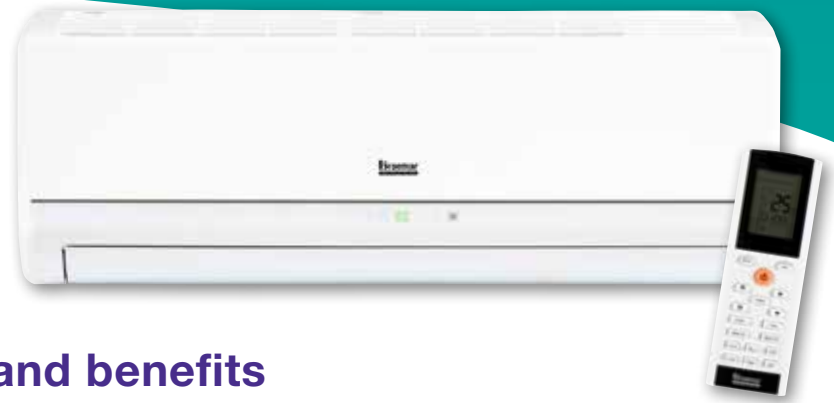
Braemar split systems utilise DC inverter technology, which means they automatically regulate the power applied to the compressor to provide more precise climate control, while using less energy.

Braemar offers a wide range of inverter split system air conditioners to suit your home:

- Premium range includes 5 models, from 2.6 kW to 8.0 kW in cooling capacity. This range is more economical to run than the universal range using up to 9% less energy as well as offering up to 9% greater efficiency.
- Universal range includes 6 models, ranging from 2.6 kW to 8.0 kW in cooling capacity.

The sleek design of the indoor wall-mounted unit will complement the modern surroundings of your home or office.

The indoor unit also suits the multi split air conditioning system, thus delivering a consistent appearance through homes and offices when multi split system installations are mixed with single split systems.



Premium range

Indoor unit features and benefits



7 fan settings

Select the most comfortable setting for improved personal comfort.



'I Feel' wireless remote control

Control the room temperature at the position of the remote.



3D airflow, vertical and horizontal motorised louvers

For comfortably even temperature and air distribution.



1 watt standby power consumption*

Saves money in running costs by lowering energy consumption.

*Applicable for 5.3 kW, 7.0 kW, 8.0 kW models only.



Auto restart

Permits automatic return to previous operation conditions.



Quiet mode

Reduces fan speed to ensure air conditioner runs quietly.



Turbo mode

Achieves comfortable room temperature in the shortest possible time.



Consistent appearance

The indoor unit also suits the multi system installation.

Inverter controller features and benefits

Wall-mounted split system is easily managed from a user friendly remote control with an easy-to-read display, enabling you to set the right system control configuration to suit your needs.



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 to reduce energy usage and ensure optimal temperature while you sleep.



Quiet function

Reduces fan speed to ensure air conditioner runs quietly.



Turbo function

Ultra high fan speed to quickly cool your 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 your air conditioner to save you money.



Error code display on fascia

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

Wall-mounted inverter split system air conditioning

Universal range



Indoor unit features and benefits



5 fan settings

Select the most comfortable setting for improved personal comfort.



'I Feel' wireless remote control

Control the room temperature at the position of the remote.



Motorised vertical louvers, up-down airflow

For comfortably even temperature and air distribution.



Auto restart

Permits automatic return to previous operation conditions.



Turbo mode

Achieves comfortable room temperature in the shortest possible time.



Consistent appearance

The indoor unit also suits the multi system installation.

Inverter controller features and benefits

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5 modes

Auto, cool, dry, fan, heat.



5 fan settings

Auto, low, medium, high, turbo.



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Adjusts temperature up or down a few degrees during the night to reduce energy usage and ensure optimal temperature while you sleep.



Turbo function

Ultra high fan speed to quickly cool your home.



Timer

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



Error code display on fascia

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



Premium and universal range Outdoor unit features and benefits



DRED (RJ45 connector)
Saves power in peak usage times,
refer to page 5 for more information.



Long pipe runs (up to 30m)
Allows more flexibility in placing an
outdoor unit.



**DC fan motor and
DC compressor**
Saves you money by reducing
running costs.



Slim design
Allows more flexibility in placing an
outdoor unit.



Single drain connection point
Allows faster installation.



Wide outdoor operating range*
From a freezing -15 °C through to a scorching 48 °C.
You and your family will remain comfortable in
extreme conditions.

*Model specific – refer to specifications table



Wall-mounted inverter split system air conditioning

Premium range specifications

Model No.	Indoor unit	MSHV25D1S	MSHV35D1S	MSHV53D1S	MSHV71D1S	MSHV80D1S
	Outdoor unit	SCHV25D1S	SCHV35D1S	SCHV53D1S	SCHV71D1S	SCHV80D1S
Capacity	Cooling (kW)	2.60 (0.70~3.10)	3.50 (1.00~4.00)	5.30 (1.00~6.50)	7.00 (1.20~8.00)	8.00 (1.20~8.80)
	Heating (kW)	3.00 (0.60~3.50)	4.00 (1.40~4.20)	5.80 (1.00~7.30)	7.40 (1.40~10.00)	8.40 (1.30~11.00)
Star rating	Cooling	3.0	3.0	2.0	2.0	2.0
	Heating	3.0	3.0	2.0	2.0	2.0
AEER / ACOP	W / W (tested)	3.96 / 3.84	3.80 / 3.86	3.28 / 3.30	3.25 / 3.27	3.37 / 3.38
EER / COP	W / W (rated)	3.88 / 3.90	3.85 / 3.88	3.49 / 3.49	3.24 / 3.25	3.35 / 3.35
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)	0.67 (0.17~1.02)	0.91 (0.20~1.05)	1.52 (0.32~2.45)	2.16 (0.40~3.00)	2.39 (0.40~2.90)
	Heating (kW)	0.77 (0.16~1.10)	1.03 (0.33~1.15)	1.66 (0.32~2.50)	2.28 (0.42~3.50)	2.51 (0.42~4.20)
Current input (max.)	Cooling (A)	6	8	10.5	16	18
	Heating (A)	6	8	10.5	16	18
Indoor unit	Airflow volume @ 50 Pa (L/s)	64~153	78~181	133~264	167~333	217~333
	Sound pressure level (dB(A))	25~40	28~42	30~49	36~51	36~51
Outdoor unit	Dimensions (W × H × D), outline (mm)	806 x 292 x 209	866 x 292 x 209	1018 x 319 x 230	1178 x 326 x 264	1178 x 326 x 264
	Net / Gross weight (kg)	10.5 / 13.5	11.0 / 14.0	16.0 / 19.0	18.0 / 24.0	18.0 / 24.0
	Sound pressure level (dB(A))	50	52	56	58	58
	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
Refrigerant charge	Net / Gross weight (kg)	28.5 / 31.5	34.0 / 37.0	50.0 / 53.0	55.0 / 61.0	69.0 / 75.0
	R410A (kg)	0.95	1.2	1.6	1.8	2.4
Pipe	Liquid size (mm)	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)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Electrical	Pre-charge length (m)	7.5	7.5	7.5	7.5	7.5
	Additional charge (g/m)	20	20	50	50	50
	Max distance height / length (m)	10 / 15	10 / 20	10 / 25	10 / 25	10 / 30
	Indoor to outdoor (mm ²) (includes comms)	1.0	1.0	1.0	1.0	1.0
	Power to indoor (mm ²)	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor
Set temperature range	Power to outdoor (mm ²)	1.0	1.5	1.5	2.5	2.5
	Recommended fuse (amp)	10	16	16	25	25
Ambient temperature range	°C	16~30	16~30	16~30	16~30	16~30
	Cooling (°C)	18~48	18~48	18~43	18~43	18~43
	Heating (°C)	-15~24	-15~24	-15~24	-15~24	-15~24

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 @ 50 Pa (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
	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 ²) (includes comms)	1.0	1.0	1.0	1.0	1.0	1.0
	Power to indoor (mm ²)	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor	From outdoor
	Power to outdoor (mm ²)	1.0	1.5	1.5	1.5	2.5	2.5
	Recommended fuse (amp)	10	16	16	16	25	25
Set temperature 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.