SAMSUNG

samsung air conditioning and heat pump systems

Catalogue 2010

Smart Thinking, Simple Living.

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PROJECT
Kathy Heyndels Glyfada

LOCATION
Greece

TYPE
Shop

Prudential Financial
fast
HSBC
SAMSUNG
Coke
1500
Kodak
PONTIAC
Thursda

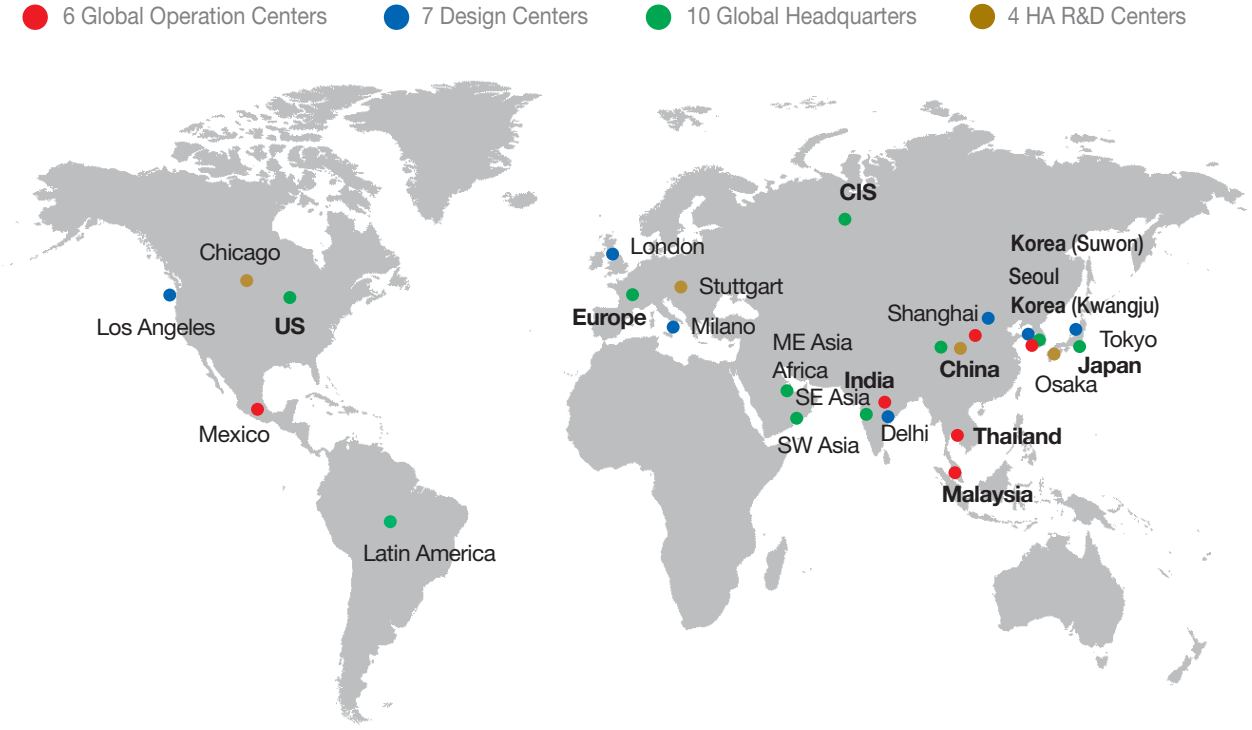
Samsung is moving with and ahead of our customers

A brand is created by its customers and that's the novel perspective at Samsung. With all the customer attention, Samsung had another successful year. Business Week and Interbrand ranked Samsung 19th in Global Brands.

Samsung has overtaken Sony as the world's biggest producer of televisions and its strong product development has resulted in global leadership in the television segment. Samsung improved its position from third to the second leading player in mobile phones worldwide. The philosophy of bringing people the latest technology at a fair price has quickly made it a firm consumer favourite. New concept shops have been successful in translating to a more expert and demanding audience by showing the benefits of engaging with the brand.

As a global leader, Samsung will continue to create future with the customers.

Global Business Network



PlanetFirst™ with Samsung Electronics

"Samsung believes in the power of innovation today for a sustainable tomorrow."

Every day, all of us need to seek new ways to reduce energy consumption at home and at work. To fulfill customer's greener way of life, Samsung continues to manufacture eco-friendly products. Unfortunately, many consumers are unaware of green products and feel there are not enough options. So now, Samsung created PlanetFirst™ which applies to all of Samsung's eco-friendly products, partnerships or internal programs.

PlanetFirst™ is the name that easily identifies eco-friendly products from Samsung. These products join customers' desire of living a green lifestyle with enjoying the latest in technology. PlanetFirst™, a unique communication, makes Samsung's commitment, mind-set, and approach to greener living clear and straightforward. As Samsung continues to work, develop, engineer, and design innovative products to satisfy customers, PlanetFirst™ also means these technologies, designs, and manufacturing processes are greener. Your choice of PlanetFirst™ products helps preserve nature and reduce energy use.

Samsung is always striving to find new and better ways to reduce our impact on the environment without sacrificing complete satisfaction in its products. Samsung started by simply reducing, reusing, and recycling; then by challenging employees to seek out and adopt extraordinary breakthroughs that make Samsung's processes and products healthier, safer, and less carbon dependent. So help the cause and start your own journey in being green with PlanetFirst™.

Eco-labels & Declaration

Samsung Electronics makes an effort to develop environment-friendly products that minimize the negative impacts on the environment in every aspect of its products, from raw material procurement, production, transportation, usage, and final disposal. Concerns for the environment are at the core of each product development.

Samsung's environment-friendly technologies and recycling programs have received global approval, receiving well-known awards and recognitions worldwide.

Samsung eco mark | Energy mark Korea | Eco Mark Korea | Ecoflower EU | Energy Star Mark | TCO Sweden | Blue Angel Germany | EPEAT US | Eco Mark Korea 2

Four Seasons of Hope

Samsung's Four Seasons of Hope is about kids. It's about using the power of our brand to give something back to the communities we serve.

Samsung's Four Seasons of Hope supports community-based foundations and charities headed by some of this country's favourite sports legends. Samsung pledges to raise national awareness and funds for these outstanding charities and to identify how others can also make a difference in the lives of these children and families.

Samsung Recycling Direct℠

All good things come to an end. Let's make sure it's a Green end.

As technology continually evolves, so will your digital lifestyle. When you upgrade your consumer electronics, you will need to recycle your old products responsibly. That's why we're proud to reaffirm our commitment and responsibility to recycle using the new Samsung Recycling Direct℠ program launched on October 1st, 2008.

'Eco-friendly' Samsung

Preserves the nature you live in.

Thinking of you and the environment, Samsung plans for the future. Realizing your hopes for a greener, healthier life for you and the generations that follow, Samsung's environmentally friendly technologies work to make the world a more beautiful place.

Air & Water Conservation

As a leading innovator of environment-friendly products and technologies, Samsung products already drastically reduce the strains on nature's valuable resources. Samsung uses R-600, a natural refrigerant, and cyclopentane insulation in its refrigerators, which do not promote global warming or add to the greenhouse effect. Samsung's water-efficient washing machines also use less detergent and water without affecting cleanliness, helping conserve water.

Use Less, Save More

Samsung products are energy efficient, receiving Energy Grade A+ in the EU and ENERGY STAR in the U.S. Samsung washers with ceramic heaters use less power, which save you energy, money and time. This energy-efficient technology protects you and nature, giving you a greener lifestyle.

Global Recycling

Samsung Electronics is making significant efforts to save the environment and complies with the WEEE (Waste Electrical and Electronic Equipment) directive by joining or establishing the recycling schemes for each country.

Samsung Eco-Friendly Air Conditioner

Making continuous efforts to stay eco-friendly, Samsung uses R-410A, all-environmentally-friendly refrigerant, for its air conditioners and restrains the use of materials with high global warming potential (GWP). Most Samsung products have received Energy Grade A+ in the EU and ENERGY STAR in the U.S. These energy-efficient air conditioners not only save you money, but help conserve the environment.

Galeria de Innovacion 2009

Samsung attended Europe's largest air-conditioner exhibition "Climatization" in Madrid, Spain. Samsung air conditioner's beautiful design with innovative features was awarded the "Galeria de Innovacion" The idea behind this award is to encourage innovation in the practical application of know-how and technologies in industrial development. Once again, Samsung proves its unsurpassed standards in quality.

iF Product Design Award 2009

As one of the world's oldest and prestigious design competitions, the iF product design award can look back on a rich and long tradition. This seal of fine design quality has stood for qualitatively outstanding design awards for over 50 years. Samsung's air conditioner with design innovations has won the iF product design award for the year 2009.

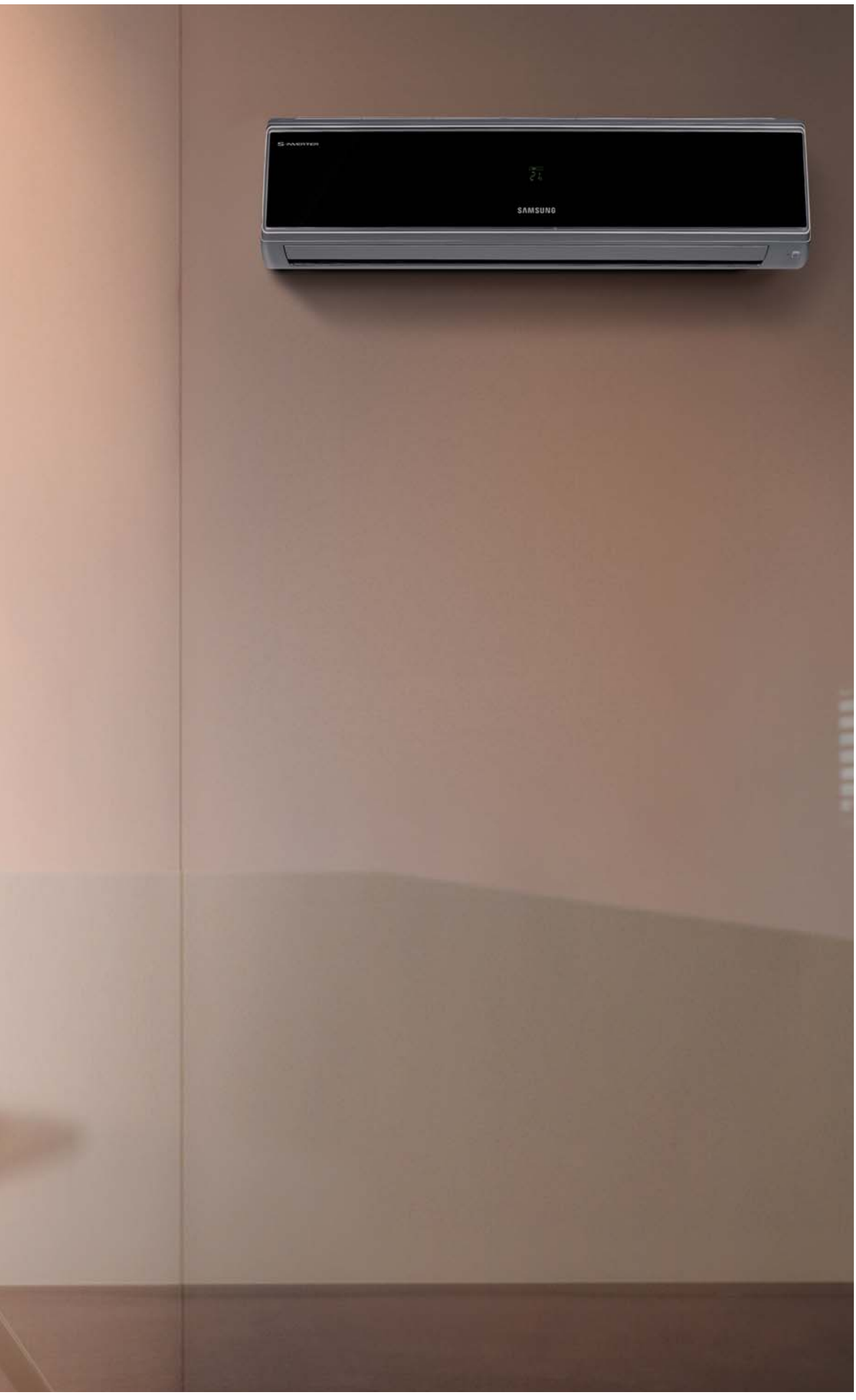
Samsung air conditioner continues to receive worldwide recognition and awards, proving high quality functions and beauty to value and satisfying customers' requirements.

Comfort & Design 2008

Organized by Fiera Milano International, the Comfort & Design Award plays the role of intermediary between the Jury and companies participating in the 36th Mostra Convegno Expocomfort / Expobagno. The MCE / EXPOBAGNO 2008 aimed to reward the best product that shows a high level of environmental quality, providing a complete overview of the sector along the lines of "Comfort & Living Technology". And Samsung air conditioner won the prize conferring a valid and professional recognition on the best products in the ceremony .

Received Certifications and Awards

RAC 2010 Line-Up


SAMSUNG

Vivace

Shadow mirror

The Samsung Vivace air conditioner brings a taste of the future into your home. With advanced technology and a flat smoked mirror panel, this air conditioner is modern elegance.

Trimless Design

Samsung Vivace air conditioner with trimless design not only delivers coolness, but also adds modern sophistication to the room. Vivace's flat smoked half mirror front panel with hidden digital display completes this minimal design.

Virus Doctor

Virus Doctor improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health. Virus Doctor is recommended for children and elderly people who are more sensitive to viruses and often feel sick from biological conteminants in the air.

How Virus Doctor System Technology Works

Active hydrogen / Oxygen ions

Active hydrogen and oxygen ions are generated

Harmful substances

Combines with Harmful substances

*OH radical, Harmful viruses and bacteria.

Harmless water

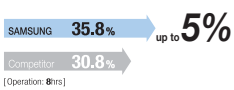
Turns into harmless water

Good'sleep II

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.

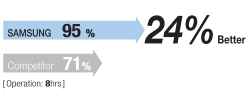
Sleep Efficiency

The Good'sleep II increases sleep efficiency compared with competitors.



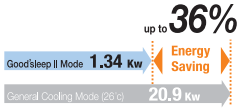
Pleasant Skin Temperature

An invaluable feature for those sensitive to temperature fluctuations and those suffering from insomnia.



Energy Saving

The Good'sleep II reduces up to 36% of electricity consumption compared with a normal cooling mode.

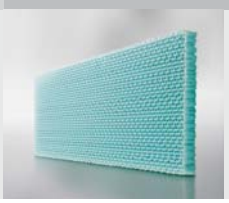


Additional Features

UTR Plus™ (option)

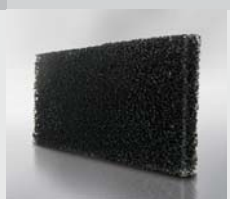
UTR features incredible power that can quickly cool the air even in severe hot climates.

Catechin Filter



Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odours.

Deodorizing Filter



Incorporated with activated carbon, the deodorizing filter efficiently adsorbs cigarette smoke, pet odours and other unpleasant odours.

Anti-virus Filter

New ion coated Anti-virus filter enhanced 1.6 times stronger of its dust removal ability compared to general Pre-filter.

Silver Coated Evaporator

The fins of the evaporator are triple coated to ensure efficient removal of condensation.

Wide Open Blade Heating Air Flow

Opening the blades to an angle of 90 degrees, the air can be distributed vertically and horizontally anywhere in the room.

Auto Changeover

The Auto Changeover automatically selects the operating mode (Cooling or Heating) according to the temperature setting.

Quiet Operation

Samsung's Quiet Operation offers powerful cool air without disturbing noise.

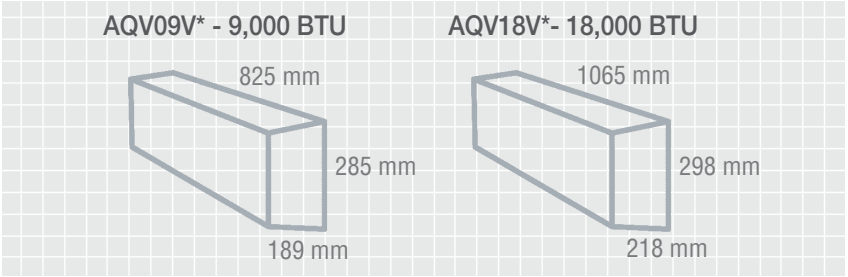
S-Inverter

Samsung's S-Inverter lets you reach the desired temperature quickly and maintains a precise temperature for your complete comfort. This highly efficient technology also lowers energy consumption up to 50% and reduces vibration to bring peace into your life.

Available Colors

Black Mirror

Dimensions



Vivace

Shadow mirror

Remote Control & Outdoor Unit

Remote Control

Inverter

9K BTU

12K BTU

18K BTU

24K BTU

Air Purifying System

- **Virus Doctor**
  Virus Doctor generates active hydrogen atoms together with oxygen ions to improve your indoor air quality.
- **Anti-virus filter**
  New ion coated Anti-virus filter enhanced 1.6 times stronger of its dust removal ability compared to general Pre-filter.
- **Silver coated evaporator**
  The fins of the evaporator are triple coated to ensure efficient removal of condensation.
- **Catechin filter**
  Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odours.
- **Deodorizing filter**
  Activated carbon is incorporated in the filter, efficiently absorbing all odours.
- **Auto cleaning (self cleaning)**
  Auto cleaning function keeps the interior clean and dry to prevent an unpleasant odour.

Features

- **Good'sleep II**
  It automatically adjusts temperature and moisture to guarantee a good night's sleep.
- **S-Inverter (option)**
  Its powerful control lets you reach the set temperature quickly and maintains precise temperatures.
- **UTR Plus™ (option)**
  UTR features incredible power that can quickly cool the air even in severe hot climates.

- Dehumidification
- Turbo mode
- Timer
- Energy saving mode
- Auto restart
- Auto changeover
- Auto wind
- Auto grille

Design

Hidden LED Display

When you turn on the air conditioner, the hidden LED display lights up. Turned off, the display hides from view. This easy-to-read display is a discrete way of adding functionality to beauty.

Shadow Mirror

By reflecting your interior in its shadow mirror, Vivace perfectly matches with your interior. The Samsung's shadow mirror also reflects adequate lighting which adds elegance.

Trimless Design

The clean lines and trimless design give the air conditioner a modern classic look. Simplicity is more.

Crystal

Feel pure ideal comfort

Samsung Crystal air conditioner dazzles with its high glossy panel, making your home sparkle with luxury. What's more, you can enjoy clean, refreshing air with its strong power and purifying function. Now, you can have high performance without sacrificing beauty.

Comfort Care

Experience pure comfort with the Samsung air conditioner. With a balance of temperature and **humidity** levels, the air is always comfortably refreshing.

Simply controlling the temperature does not guarantee comfort. People can feel comfort or discomfort even at the same temperature due to the varying level of humidity in the air. Samsung 'Comfort Care technology' measures the humidity and temperature of the room. Then it calculates what temperature and humidity is needed to reach the comfort index. Comfort Care adjusts the temperature and humidity automatically until the comfort index is reached.

Filter Cleaning Indicator

Always know when to clean the filter. The Filter Clean Indicator automatically alerts you when the filter needs to be cleaned with its illuminating blue light, usually after about **500 hours** of use. Now, you can always keep your air conditioner clean.

Smart Saver

You no longer have to turn off your air conditioner when you feel the room is cool enough and turn it back on again when the air is not comfortable to save electricity.

Smart Saver operates the air conditioner automatically in the least amount of time necessary to cool the room, which saves electricity. In studies, up to **31%** of electricity was saved by setting the temperature to 26°C when the outdoor temperature was 30°C With the Smart Saver, you can stop worrying about your electricity bill and start enjoying cool comfort.

Additional Features

UTR Plus™ (option)

UTR features incredible power that can quickly cool the air even in severe hot climates.

Virus Doctor

Virus Doctor improves your indoor air quality by eliminating biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health.

Filter Cleaning Indicator

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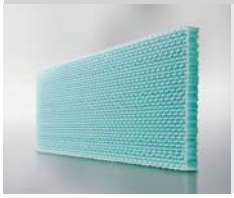
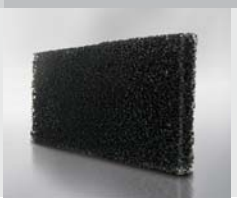
Catechin Filter



Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odours.

Deodorizing Filter



Incorporated with activated carbon, the deodorizing filter efficiently adsorbs cigarette smoke, pet odours and other unpleasant odours.

Auto Cleaning

Auto cleaning function keeps the interior clean and dry to prevent an unpleasant odour.

Silver Coated Evaporator

The fins of the evaporator are triple coated to ensure efficient removal of condensation.

Quiet Operation

Samsung's Quiet Operation offers powerful cool air without disturbing noise.

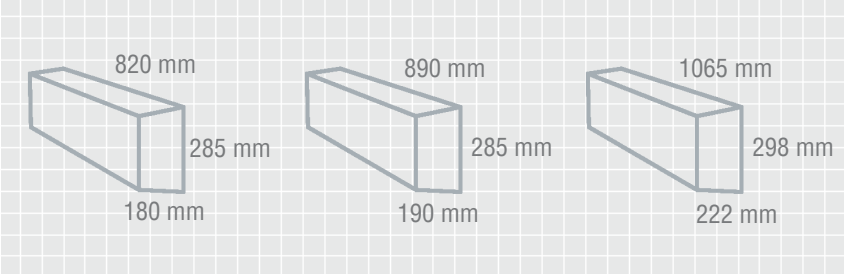
S-Inverter

Samsung's S-Inverter lets you reach the desired temperature quickly and maintains a precise temperature for your complete comfort. This highly efficient technology also lowers energy consumption up to 50% and reduces the vibration to bring peace into your life.

Available Colors

White

Dimensions



Crystal

Feel pure ideal comfort

White

Remote Control & Outdoor Unit

Remote Control

Inverter

9K BTU

12K BTU

Air Purifying System

- **Virus Doctor**
  Virus Doctor generates active hydrogen atoms together with oxygen ions to improve your indoor air quality.
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Features

- **Good'sleep II**
  It automatically adjusts temperature and moisture to guarantee a good night's sleep.
- **S-Inverter (option)**
  Its powerful control lets you reach the set temperature quickly and maintains precise temperatures.
- **UTR Plus™ (option)**
  UTR features incredible power that can quickly cool the air even in severe hot climates.
- **Virus Doctor lamp**
  The blue light signals the purification of the air as it adds a peaceful aura to the room.

- Smart saver
- Comfort care (option)
- Filter cleaning indicator (option)
- Energy saving mode
- Dehumidification
- Turbo mode
- Timer
- Auto restart
- Auto changeover
- Auto wind

Design

Virus Doctor Lamp
The blue light signals the purification of the air as it adds a peaceful aura to the room.

Glossy Panel
The high gloss panel brings out the luxurious beauty of the colour as it adds refreshing comfort to the room.

Stylish Design
The air conditioner is a large part of your interior so Samsung paid special attention to its design. Take pride in the new stylish Samsung air conditioner.

Neo Forte

Fresh and pleasant cooling

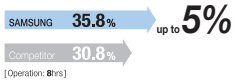
The Neo Forte design incorporates a clean fashionable front panel with a striking silver accent line that adds a stylish contrast for a strong minimalist design that complements any decor.

Good'sleep II

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.

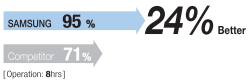
Sleep Efficiency

The Good'sleep II increases sleep efficiency compared with competitors.



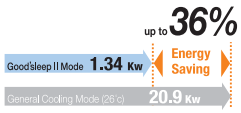
Pleasant Skin Temperature

An invaluable feature for those sensitive to temperature fluctuations and those suffering from insomnia.



Energy Saving

The Good'sleep II reduces up to 36% of electricity consumption compared with a normal cooling mode.



Additional Features

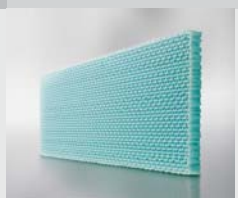
Virus Doctor

Virus Doctor improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health.

Silver Coated Filter

The Silver Coated Filter removes microscopic dust particles and exterminates fungi.

Catechin Filter



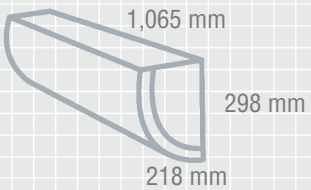
Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odours.

Available Colors

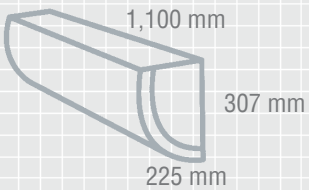
White

Dimensions

AQV09N* - 9,000 BTU
AQV12N* - 12,000 BTU



AQV18N* - 18,000 BTU
AQV24N* - 24,000 BTU



Air Purifying System

- Silver coated filter
- Silver coated evaporator
- Catechin filter
- Deodorizing filter
- Auto cleaning (self cleaning)

Features

- Good'sleep II
- S-Inverter (option)
- UTR plus™ (option)
- Dehumidification
- Turbo mode
- Timer
- Energy saving mode
- Auto restart
- Auto changeover
- Auto wind

Design

Stylish Design

The air conditioner is a large part of your interior so Samsung paid special attention to its design.

Snow White Colour

The colour of purity and elegant innocence, glossy snow white adds luxurious beauty to any décor.

Silver Accent Line

The interior design of your home adds a lot to personal comfort and appeal. Samsung Neo Forte's unique silver accent line adds a strong impression and a stylish touch to the whole design.

Remote Control & Outdoor Unit

Remote Control

	Inverter			
	9K BTU	12K BTU	18K BTU	24K BTU

Vivace

MODEL NO.			AQV09VBEN	AQV12VBEN	AQV18VG	AQV24VBEN
AREA			Europe			
			S Inverter	S Inverter	S Inverter	S Inverter
Refrigerant Type			R410A	R410A	R410A	R410A
Performance						
Capacity	Cooling	Btu/hr. std	8,530	11,942	17,061	23,203
		min~max	3,378~10,919	3,337~10,919	5,459~2,0473	7,507~27,297
		kCal/hr. std	2,150	3,009	4,299	5,847
		min~max	851~2,149	851~2,751	1,376~5,159	1,892~6,879
		kW std	2.5	3.5	5.0	6.8
		min~max	0.99~3.2	0.99~4.0	1.6~6.0	2.2~8.0
	Heating	Btu/hr. std	11,942	13,649	20,473	27,297
		min~max	3,378~15,354	3,378~13,649	4,095~25,591	6,483~32,415
		kCal/hr. std	3,009	3,439	5,159	6,879
		min~max	851~3,869	851~3,439	1,032~6,449	1,634~8,169
		kW std	3.5	4.0	6.0	8.0
		min~max	0.99~4.5	0.99~5.2	1.2~7.5	1.9~9.5
Energy Efficiency	Cooling	EER(Btu/W)	14.0	11.6	11.6	10.3
		EER(W/W)	4.10	3.40	3.40	3.01
	Heating	COP(W/W)	4.12	3.64	3.61	2.81
Moisture Removal		ℓ/hr.	1.0	1.4	2.5	3.0
Air Circulation (Max)		m³/min	8.0	9.0	13.0	15.0
Noise Level	Indoor High/Low	dB	31/21	35 / 21	40 / 30	41 / 30
	Outdoor High	dB	45	45	53	55
Electrical Data						
Power Source		V/Hz/ø	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Power Consumption	Cooling	W	610	1030	1470	2260
	Heating	W	850	1100	1660	2850
Operating Current	Cooling	A	3.0	4.8	6.8	10.6
	Heating	A	4.5	5.2	7.7	13.0
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	825x285x189	825x285x189	1065x298x218	1065x298x218
	Outdoor	mm	790x548x285	790x548x285	880x638x310	880x638x310
Net Weight	Indoor	kg	9	9	13	13
	Outdoor	kg	33.8	33.8	46	51
Shipping Weight	Indoor	kg	11	11	16	16
	Outdoor	kg	37	37	50	53
Loading Q'ty	W Pipe	20/40ft/Jumbo	91/193/216	91/193/216	61/128/150	61/128/150
	W/O Pipe	20/40ft/Jumbo	101/209/233	101/209/233	66/138/153	66/138/153
Technical Information						
SVC Valve	Liquid	ODxL	ø 6.35mmx5m	ø 6.35mmx5m	ø 6.35mmx5m	ø 6.35mmx5m
	Gas	ODxL	ø 9.52mmx5m	ø 9.52mmx5m	ø 12.7mmx5m	ø 15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	30	30
Piping Height	Max	mm	8	8	15	15
Features						
Virus Doctor			•	•	•	•
Good Sleep II			•	•	•	•
Silver Coated Health System	Silver Coated Filter		•	•	•	•
	Silver Coated Evaporator		•	•	•	•
Anti Virus Filter			•	•	•	•
Pure & Clean Air	DNA Filter					
	Pure Filter (HAF Filter)					
	Catechin Filter		•	•	•	•
	Deodorizing Filter		•	•	•	•
Operating Mode	Digital i Plus					
	Dehumidification		•	•	•	•
	Turbo Mode		•	•	•	•
	Timer		•	•	•	•
	Energy Saving Mode		•	•	•	•
	Auto Restart		•	•	•	•
	Auto Changeover		•	•	•	•
Convenience	Auto Wind		•	•	•	•
	Air Flow Control Steps (Cool/Fan)		4/3	4/3	4/3	4/3
	Air Direction Control (Up/Down)		AUTO	AUTO	AUTO	AUTO
	Air Direction Control (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL
	Auto Grille		•	•	•	•
	Remote Controller		•	•	•	•
	Auto Clean (self cleaning)		•	•	•	•
Etc.	Compressor Type		ROTARY	ROTARY	ROTARY	TWIN
Low Ambient	Cooling	°C	-10~43	-10~43	-10~43	-10~43
	Heating	°C	-15~24	-15~24	-15~24	-15~24

Crystal

MODEL NO.			AQV09EWAN	AQV12EWAN	AQV18EWAN	AQV24EWAN
AREA			Europe			
			S-Inverter	S-Inverter	S-Inverter	S-Inverter
Refrigerant Type			R410A	R410A	R410A	R410A
Performance						
Capacity	Cooling	Btu/hr. std	8,530	11,942	17,061	23,203
		min~max	3,378~10,919	3,378~13,649	5,459~20,473	7,507~27,297
		kCal/hr. std	2,150	3,009	4,299	5,847
		min~max	851~2,752	851~3,439	1,376~5,159	1,892~6,879
		kJ/hr				
		kW std	2.5	3.5	5.0	6.8
		min~max	0.99~3.2	0.99~4.0	1.6~6.0	2.2~8.0
	Heating	Btu/hr.	11,260	13,649	20,473	27,297
		min~max	3,378~15,355	3,378~17,743	4,095~25,591	6,483~32,415
		kCal/hr.	2,837	3,439	5,159	6,879
		min~max	851~3,869	851~4,471	1,032~6,449	1,634~8,169
		kW	3.3	4.0	6.0	8.0
		min~max	0.99~4.5	0.99~5.2	1.2~7.5	1.9~9.5
Energy Efficiency	Cooling	EER(Btu/W)	13.9	11.2	11.6	10.3
		EER(W/W)	4.08	3.30	3.40	3.01
	Heating	COP(W/W)	4.10	3.61	3.61	2.81
Moisture Removal		ℓ/hr.	1.0	1.4	2.5	3.0
Air Circulation (Max)		m^3/min	8.0	9.0	13.0	15.0
Noise Level	Indoor High/Low	dB	31/21	35/21	40/30	41/30
	Outdoor High	dB	45	45	53	55
Electrical Data						
Power Source		V/Hz/ø	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Power Consumption	Cooling	W	613	1060	1470	2260
	Heating	W	805	1108	1660	2850
Operating Current	Cooling	A	3.0	4.8	6.8	10.6
	Heating	A	3.5	5.2	7.7	13.0
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	820x285x190	820x285x190	1065x298x222	1065x298x222
	Outdoor	mm	790X548X285	790X548X285	880x638x310	880x638x310
Net Weight	Indoor	kg	8.2	8.2	13	13
	Outdoor	kg	31.5	31.5	46	52
Shipping Weight	Indoor	kg	10	10	16	16
	Outdoor	kg	35.4	35.4	50	56
Loading Q'ty	W Pipe	20/40ft/Jumbo	92/190/212	92/190/212	61/130/150	61/130/150
	W/O Pipe	20/40ft/Jumbo	96/204/229	96/204/229	66/138/152	66/138/152
Technical Information						
SVC Valve	Liquid	ODxL	ø 6.35mm X 5m	ø 6.35mm X 5m	ø 6.35mmx5m	ø 6.35mmx5m
	Gas	ODxL	ø 9.52mm X 5m	ø 9.52mm X 5m	ø 12.7mmx5m	ø 15.88mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	30	30
Piping Height	Max	mm	8	8	15	15
Features						
Virus Doctor			•	•	•	•
Good Sleep II			•	•	•	•
Silver Coated Health System	Silver Coated Filter		•	•	•	•
	Silver Coated Evaporator		•	•	•	•
Anti Virus Filter			•	•	•	•
Pure & Clean Air	DNA Filter					
	Pure Filter (HAF Filter)					
	Catechin Filter		•	•	•	•
	Deodorizing Filter		•	•	•	•
Operating Mode	Digital i Plus		•	•	•	•
	Dehumidification		•	•	•	•
	Turbo Mode		•	•	•	•
	Timer		•	•	•	•
	Energy Saving Mode		•	•	•	•
	Auto Restart		•	•	•	•
	Auto Changeover		•	•	•	•
Convenience	Auto Wind		•	•	•	•
	Air Flow Control Steps (Cool/Fan)		•	•	•	•
	Air Direction Control (Up/Down)		4/3	4/3	4/3	4/3
	Air Direction Control (Left/Right)		AUTO	AUTO	AUTO	AUTO
	Auto Grille		MANUAL	MANUAL	MANUAL	MANUAL
	Remote Controller		•	•	•	•
	Auto Clean (self cleaning)		•	•	•	•
Etc.	Compressor Type		ROTARY	ROTARY	TWIN	TWIN
Low Ambient	Cooling	°C	-10~43	-10~43	-10~43	-10~43
	Heating	°C	-15~24	-15~24	-15~24	-15~24

Neo Forte

MODEL NO.			AQV09NSAN	AQV09NSBN	AQV12NSAN	AQV12NSBN
AREA			Europe			
			S Inverter	S Inverter	S Inverter	S Inverter
Refrigerant Type			R410A	R410A	R410A	R410A
Performance						
Capacity	Cooling	Btu/hr. std	8,530	8,530	11,260	11,942
		min~max	3,378~10,919	3,378~10,919	3,378~12,966	3,378~13,649
		kCal/hr. std	2,150	2,150	2,837	3,009
		min~max	851~2,752	851~2,752	851~3,267	851~3,439
		kW std	2.5	2.5	3.3	3.5
		min~max	0.99~3.2	0.99~3.2	0.99~3.8	0.99~4.0
	Heating	Btu/hr. std	11,260	11,942	13,649	13,649
		min~max	4,095~14,331	3,378~15,355	4,777~16,037	3,378~17,743
		kCal/hr. std	2,837	3,009	3,439	3,439
		min~max	1,032~3,611	851~3,869	1,204~4,041	851~4,471
		kW std	3.3	3.5	4.0	4.0
		min~max	1.2~4.2	0.99~4.5	1.4~4.7	0.99~5.2
Energy Efficiency	Cooling	EER(Btu/W)	11.6	13.9	11.0	11.3
		EER(W/W)	3.40	4.08	3.21	3.30
	Heating	COP(W/W)	3.63	3.80	3.61	3.61
Moisture Removal		ℓ/hr.	1.0	1.0	1.4	1.4
Air Circulation (Max)		m³/min	7.0	7.0	8.0	8.0
Noise Level	Indoor High/Low	dB	32 / 23	31 / 22	36 / 23	36 / 22
	Outdoor High	dB	45	45	47	45
Electrical Data						
Power Source		V/Hz/ø	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Power Consumption	Cooling	W	735	613	1028	1060
	Heating	W	910	960	1108	1108
Operating Current	Cooling	A	3.5	3.0	4.9	4.9
	Heating	A	4.4	4.5	5.2	5.3
Dimension & Loading Q'ty						
Net Dimension (WxHxD)	Indoor	mm	825x285x189	825x285x189	825x285x189	825x285x189
	Outdoor	mm	720x548x265	790x548x285	720x548x265	790x548x285
Net Weight	Indoor	kg	8.4	8.4	8.4	8.4
	Outdoor	kg	32.4	39	32.4	39
Shipping Weight	Indoor	kg	10.6	10.6	10.6	10.6
	Outdoor	kg	34.4	43	34.4	43
Loading Q'ty	W Pipe	20/40ft/Jumbo	96/205/233	91/193/216	96/205/233	91/193/216
	W/O Pipe	20/40ft/Jumbo	106/231/259	101/209/233	106/231/259	101/209/233
Technical Information						
SVC Valve	Liquid	ODxL	ø 6.35mmx5m	ø 6.35mmx5m	ø 6.35mmx5m	ø 6.35mmx5m
	Gas	ODxL	ø 9.52mmx5m	ø 9.52mmx5m	ø 9.52mmx5m	ø 9.52mmx5m
Piping Length	STD	mm	5	5	5	5
	Max	mm	15	15	15	15
Piping Height	Max	mm	7	7	7	7
Refrigerant			750	900	850	900
Add Refrigerant			15	15	15	15
Features						
Virus Doctor						
Good Sleep II			•	•	•	•
Silver Coated Health System	Silver Coated Filter		•	•	•	•
	Silver Coated Evaporator		•	•	•	•
Anti Virus Filter						
Pure & Clean Air	DNA Filter					
	Pure Filter (HAF Filter)					
	Catechin Filter		•	•	•	•
	Deodorizing Filter		•	•	•	•
Operating Mode	Digital i Plus					
	Dehumidification		•	•	•	•
	Turbo Mode		•	•	•	•
	Timer		•	•	•	•
	Energy Saving Mode		•	•	•	•
	Auto Restart		•	•	•	•
	Auto Changeover		•	•	•	•
Convenience	Auto Wind		•	•	•	•
	Air Flow Control Steps (Cool/Fan)		4/3	4/3	4/3	4/3
	Air Direction Control (Up/Down)		AUTO	AUTO	AUTO	AUTO
	Air Direction Control (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL
	Auto Grille					
	Remote Controller		•	•	•	•
	Auto Clean (self cleaning)		•	•	•	•
Etc.	Compressor Type		Rotary	Rotary	Rotary	Rotary
Low Ambient	Cooling	℃	+10~43	-10~43	+10~43	-10~43
	Heating	℃	-10~24	-15~24	-10~24	-15~24

MODEL NO.			AQV18NSCN	AQV24NSAN
AREA			Europe	
			S Inverter	S Inverter
Refrigerant Type			R410A	R410A
Performance				
Capacity	Cooling	Btu/hr. std	17,061	23,203
		min~max	5,459~20,473	7,507~27,297
		kCal/hr. std	4,299	5,847
		min~max	1,376~5,159	1,892~6,879
		kW std	5.0	6.8
		min~max	1.6~6.0	2.2~8.0
	Heating	Btu/hr. std	20,473	27,297
		min~max	4,095~27,297	6,483~32,415
		kCal/hr. std	5,159	6,879
		min~max	1,032~6,879	1,634~8,169
		kW std	6.0	8.0
		min~max	1.2~8.0	1.9~9.5
Energy Efficiency	Cooling	EER(Btu/W)	11.6	10.3
		EER(W/W)	3.41	3.01
	Heating	COP(W/W)	3.61	2.81
Moisture Removal		ℓ/hr.	2.5	3.0
Air Circulation (Max)		m^3/min	13.0	15.0
Noise Level	Indoor High/Low	dB	40/30	41 / 30
	Outdoor High	dB	53	55
Electrical Data				
Power Source		V/Hz/ø	220~240/50/1	220~240/50/1
Power Consumption	Cooling	W	1470	2260
	Heating	W	1660	2850
Operating Current	Cooling	A	6.8	10.6
	Heating	A	7.7	13
Dimension & Loading Q'ty				
Net Dimension (WxHxD)	Indoor	mm	1065x298x218	1065x298x218
	Outdoor	mm	880x638x310	880x638x310
Net Weight	Indoor	kg	13	13
	Outdoor	kg	46	56
Shipping Weight	Indoor	kg	16	16
	Outdoor	kg	49.5	58
Loading Q'ty	W Pipe	20/40ft/Jumbo	61/128/150	61/128/150
	W/O Pipe	20/40ft/Jumbo	66/138/153	66/138/153
Technical Information				
SVC Valve	Liquid	ODxL	ø 6.35mmx5m	ø 6.35mmx5m
	Gas	ODxL	ø 12.7mmx5m	ø 15.88mmx5m
Piping Length	STD	mm	5	5
	Max	mm	30	30
Piping Height	Max	mm	15	15
Refrigerant			1450	1450
Add Refrigerant			15	15
Features				
Virus Doctor				
Good Sleep II			•	•
Silver Coated Health System	Silver Coated Filter		•	•
	Silver Coated Evaporator		•	•
Anti Virus Filter				
Pure & Clean Air	DNA Filter			
	Pure Filter (HAF Filter)			
	Catechin Filter		•	•
	Deodorizing Filter		•	•
Operating Mode	Digital i Plus			
	Dehumidification		•	•
	Turbo Mode		•	•
	Timer		•	•
	Energy Saving Mode		•	•
	Auto Restart		•	•
	Auto Changeover		•	•
Convenience	Auto Wind		•	•
	Air Flow Control Steps (Cool/Fan)		4/3	4/3
	Air Direction Control (Up/Down)		AUTO	AUTO
	Air Direction Control (Left/Right)		MANUAL	MANUAL
	Auto Grille			
	Remote Controller		•	•
	Auto Clean (self cleaning)		•	•
Etc.	Compressor Type		TWIN	TWIN
Low Ambient	Cooling	°C	-10~46	-10~43
	Heating	°C	-15~24	-15~24

Icon Index

Wall-mounted Type Icon

Auto Roof Shutter
Air conditioner automatically seals off to prevent dirt infiltration.

Virus Doctor generates Hydrogen atoms and Oxygen ions to create healthier air.

DNA Filter
The DNA structure possesses qualities in absorbing and eliminating microscopic carcinogenic agents.

Good'sleep II
Control the air temperature during your sleep to enjoy a comfortable sleep and refreshed wake up.

Cassette Type Icon

WIDE BLADE
Wider blades provide more even cooling power.

CEILING SOILING PREVENTION
Newly designed panel prevents ceiling contamination.

FRESH AIR INTAKE
Optional air intake motor brings in fresh air from outside.

HIGH LIFT-UP DRAIN PUMP
Lift-up condensed water up to 750mm higher than any other competitor.

QUICK CONNECTION OF DRAIN PIPE
Unique drain pipe connection is easy to install.

SUB DUCT
The Sub Duct makes it easy to provide air conditioning to a nearby smaller space.

Duct Type Icon

ANTI-BACTERIA FILTER
Anti-bacteria Filter traps dust particles and suppresses proliferation of moulds and bacteria.

EASY FILTER CLEANING
Filter cleaning indicator will let you know when the filter needs to be cleaned.

HIGH LIFT-UP DRAIN PUMP
Lift-up condensed water up to 750mm higher than any other competitor.

SMART PRESSURE CONTROL
Adjusts fan speed to provide constant cooling and heating performance.

WIRED REMOTE CONTROLLER
Default wired remote controller is provided.

Floor & Convertible Type Icon

INTERIOR DESIGN
The clean, modern design complements any decor.

ANTI-BACTERIA FILTER
Anti-bacteria Filter traps dust particles and suppresses proliferation of moulds and bacteria.

LIGHT WEIGHT UNIT
Extremely lightweight, so maintenance and installation is easy.

AUTO CHANGEOVER
Automatically changes operation mode according to temperature setting.

FLEXIBLE PIPE INSTALLATION
The pipe can be installed in 6 different places for more placement options.

SILENT MODE
Indoor and outdoor unit operates silently.

WIRELESS REMOTE CONTOLLER
Default wireless remote controller is provided.

Control Systems Icon

ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING

SLEEP & SILENT MODE

WIRELESS REMOTE CONTROL RESTRICTION

CHILD LOCK

INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)

BUILT-IN ROOM TEMPERATURE SENSOR

CLEAR & BRIGHT SCREEN WITH LCD BACKLIGHT

FILTER REPLACEMENT ALARM RESET

ERROR DISPLAY

AUTOMATIC STOP MODE

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air conditioning centre

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