Learn more by visiting

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Samsung Gulf Electronics

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SAMSUNG

Space for Partnership

Smart Thinking, Simple Living.

You want to live easier as life gets harder. Just because life is complicated doesn't mean you have to live that way. Simplify your lifestyle without dealing with complexity. Our understanding of your needs for a better life made us put more effort in creating the perfect solution for a carefree life.

At Samsung, while we always aim to provide the most up-to-date innovations, we believe that innovations in home appliance should also make life simple, easy, and more comfortable. With Samsung Home Appliances, experience the wonders of smart appliances that not only take your life to another level of effortless comfort, but also help you spend more time on more important things in your life.

Filling your home with Samsung's simplified but advanced home appliances doubles your comfort and satisfaction. Don't sacrifice ease for the latest technology as Samsung provides state of the art innovative technology in simplified products. Enjoy smart thinking for simple living with Samsung Electronics.

2010 SAMSUNG Ceiling Air Conditioner

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10 | Line-up

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Samsung is Moving with and Ahead of Our Customers

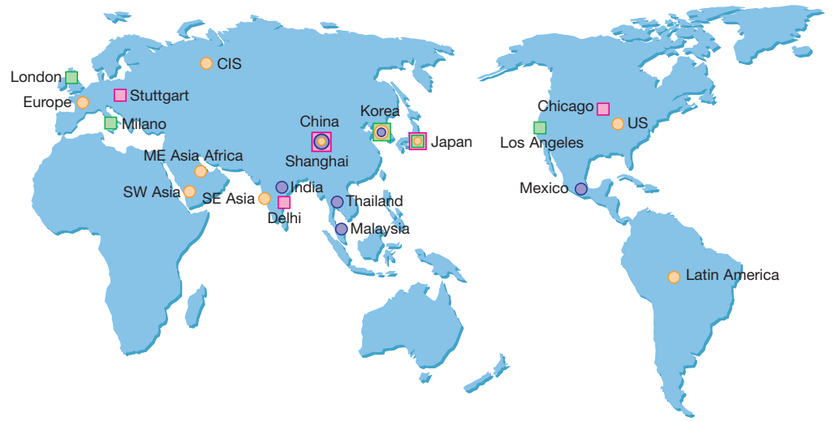
A brand value is created by its customers and that's the novel perspective at Samsung. With all customer attention, Samsung had another successful year. Business Week and Interbrand ranked Samsung 19th in Global Brands.

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 industry. Samsung also improved its position from the third to the second leading player in mobile phones worldwide. The philosophy of bringing the latest technology to people at a fair price has quickly becom consumer's favorite and Samsung's new concept shops have been successful making the philosophy known to more expert and demanding audiences 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

- 7 Design Centers
- 6 Global Operation Centers
- 4 HA R&D Centers
- 10 Global Headquarters



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 connect customers' desire of living green to the joy of using the latest 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 help 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

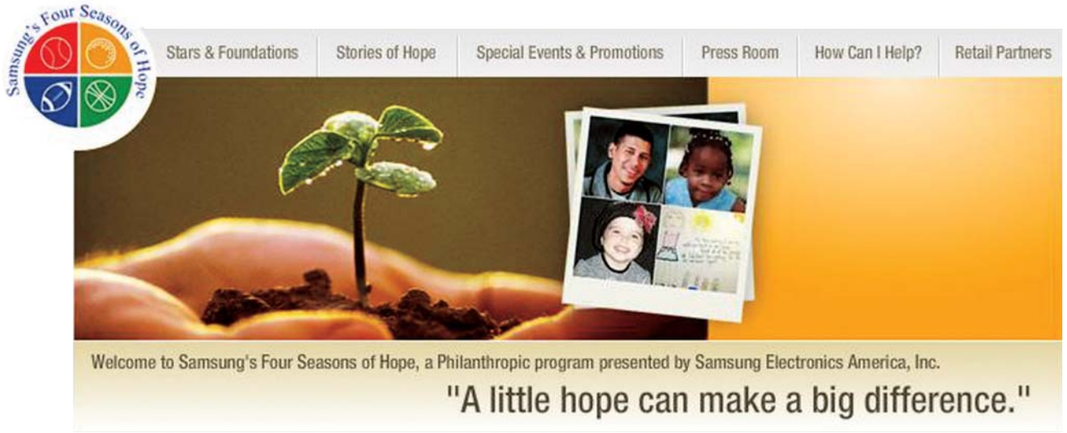
Samsung Electronics makes on-going efforts to develop environment-friendly products that minimize the negative impacts on the environment in every aspect of its products, from raw material procurement to production, transportation, usage and final disposal. Concerns for the environment are at the core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

Samsung's environment-friendly technologies and recycling programs have been highly recognized via various global approvals and awards 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 all 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 the countries' favorite 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 Direct℠, the new Samsung Recycling 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 its 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 ecofriendly,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 & 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 rewarding 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

2010 Samsung System Air Conditioner

2010 Line-Up

Powerful new line-up

Once again we are introducing our line up of system air conditioners with Samsung's innovative Technology equipped to each and every one of the products. Take a look at Samsung's 2010 system air conditioners made to satisfy you.

Outdoor Units (Side Discharge)

Type \ Capacity (Technology)	18K Btu/h	24K Btu/h	30K Btu/h	36K Btu/h	42K Btu/h	48K Btu/h	60K Btu/h	72K Btu/h
Side Discharge (Villa, Balcony application)	1Phase							
	3Phase							
Top Discharge (Long piping solution)	1Phase							
	3Phase							
Side Discharge (Long piping solution)	1Phase							
	3Phase							

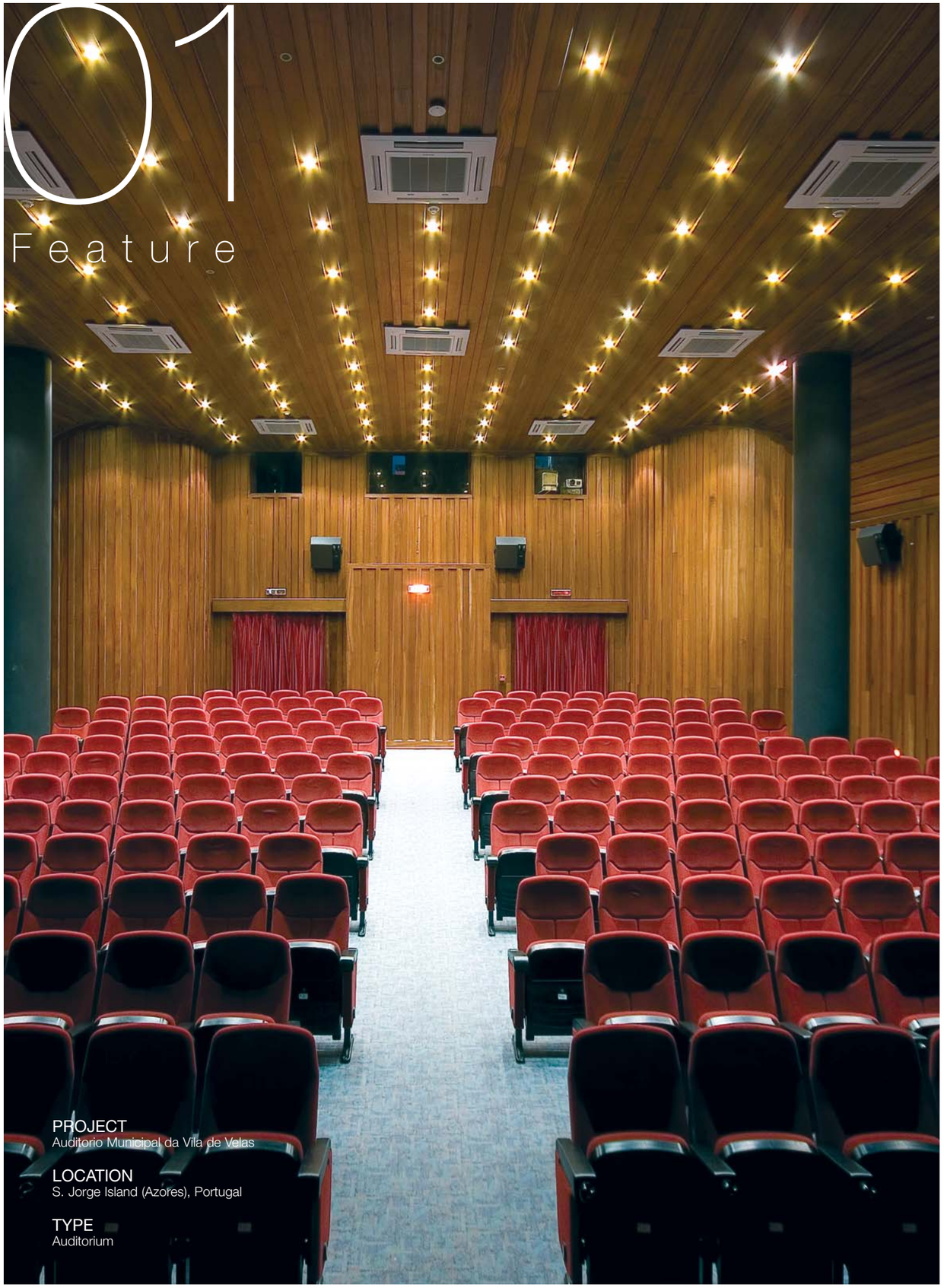
Indoor Units

Type \ Capacity	18K Btu/h	24K Btu/h	30K Btu/h	36K Btu/h	42K Btu/h	48K Btu/h	60K Btu/h	72K Btu/h
Slim Duct								
MSP Duct								
4Way Cassette								
Ceiling								

Rooftop

Type \ Capacity	48K Btu/h	60K Btu/h	74K Btu/h	90K Btu/h	100K Btu/h	120K Btu/h	150K Btu/h	180K Btu/h	210K Btu/h	240K Btu/h	300K Btu/h
380-415V, 50Hz, 3Phase (Cooling Only)											

01
Feature



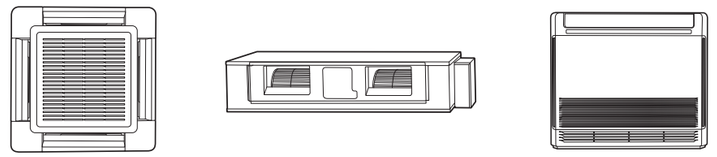
PROJECT
Auditorio Municipal da Vila de Velas

LOCATION
S. Jorge Island (Azores), Portugal

TYPE
Auditorium

Air designed just for your space

Samsung indoor units are not only equipped with high performing functions, but they also have beautiful design to enlighten your space. Different types of indoor units will be more than enough to satisfy needs of your space and yourself. Functional yet beautiful indoor units will provide you the cool air that only Samsung can provide.



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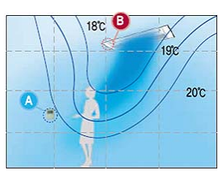
Cassette type Indoor Units

Cassette type indoor units have different numbers and direction of outlets to provide the cool air evenly in any type of space. Compact size of indoor units can be installed even in lower ceilings and easy installation method will save time that you had to spend on installation.

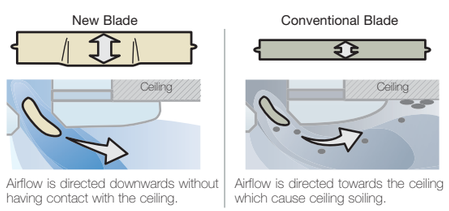
Wide Blade

The new cassette type air conditioner is equipped with uniquely designed blades that are wider to provide even cooling and heating power throughout the room.



Ceiling Soiling Prevention

Newly designed panel will control the air direction to avoid having contact with the ceiling. This new design will prevent the ceiling from soiling and keep your interior cleaner than ever even after along period of operation.



Airflow is directed downwards without having contact with the ceiling.

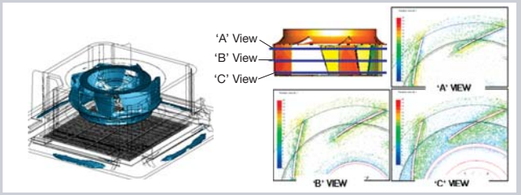
Airflow is directed towards the ceiling which cause ceiling soiling.

Main Feature | Evenly Distribute the Cool Air

New Turbo Fan

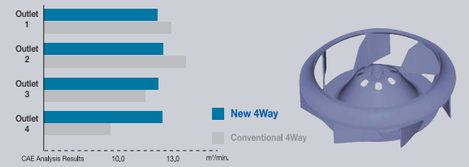
Quiet Operation

Imagine a room of cool calmness. The aerodynamically designed 'Turbo Fan' minimizes noise from the turbulence of blade movement. Therefore noise is less than conventional models.



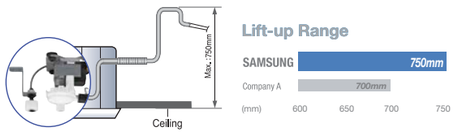
Uniform Distribution

The new 'Turbo Fan' with wide blades provides extreme cooling and heating power from 4 separate outlets so the entire room gets cool or warm faster. Now, every nook and cranny is comfortable.



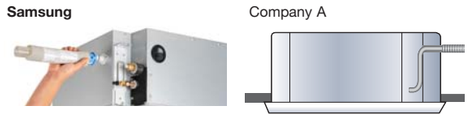
High Lift-up Drain Pump

The lift-up drain pump lifts condensed water up to 750mm, compared to the competitor's 700mm, allowing for flexible and convenient installation.



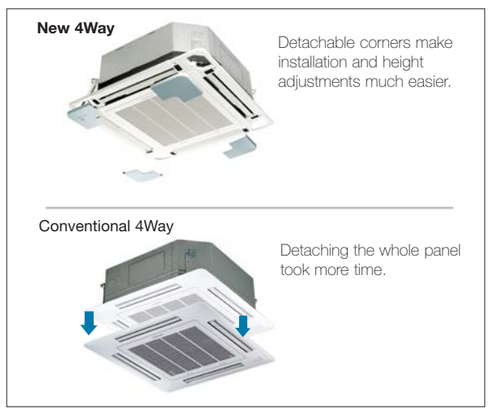
Quick Connection of Drain Pipe

Samsung's unique drain pipe prevents leaks and is easier to install with no need to use tape or adhesives.



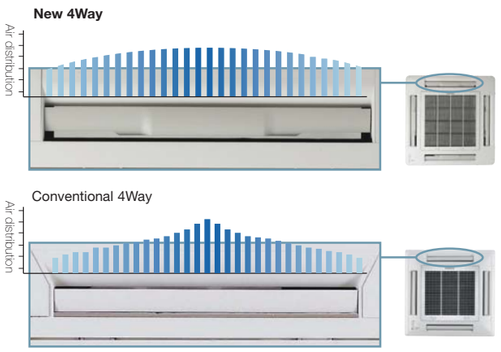
Easy Leveling

Each corner portion of the panel is detachable, which gives easier access to adjust the height, therefore leveling and installation is much easier and quicker than before.



Efficient Cooling

3-dimensional shaped blade, which has the world wide patent, is able to spread cool or warm air further and evenly to all corners of the space.



Duct type Indoor Units

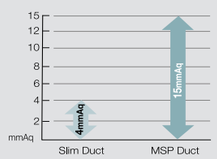
One duct type indoor unit can provide cool air to multiple places in a building with flexible installation options. It doesn't matter how complicated the floor plan is because duct type indoor units offer different solutions for any shape of the interior. With the indoor units hiding behind the ceiling, you can create clean interior looks.

Silent Operation with the static pressure control

The external static pressure control ensures flexible ducts to ensure efficiency and silent operation.

Slim Design (Height)

Middle Static Pressure

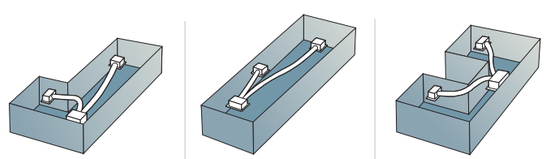


Easy to Maintain

Reduce time and maintenance costs by keeping parts easily accessible.

Flexible Installation

Samsung's MSP Duct air conditioners offer different solutions for any shape room allowing for specific air flow requirements.



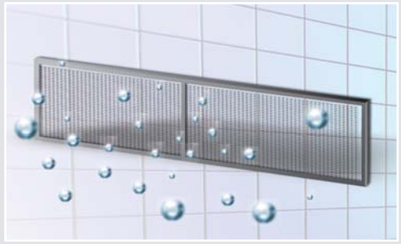
Main Feature | Silent with Pressure Control

Clean Filter System

The anti-bacteria filter and the filter cleaning indicator provide you with cleaner, healthier air.
You deserve to breathe fresh air everyday.

Anti-bacteria Filter

The anti-bacteria filter not only traps dust particles, but suppresses proliferation of molds and bacteria.

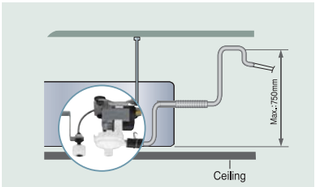


Easy Filter Cleaning

After 1,000 hours of operation the filter clean indicator will alert you that the filter should be cleaned. The filter can be easily removed from the bottom, left, or right of the unit. (1,000 hours is the default set time, which can be adjusted to 2,000 hours on the internal PCB.)

High Lift-up Drain Pump

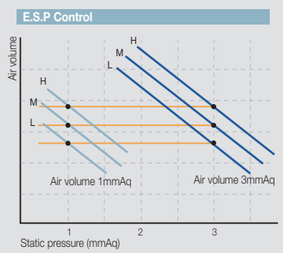
The lift-up drain pump lifts condensed water up to 750mm, compared to the competitor's 700mm, allowing for flexible and convenient installation.



Smart Pressure Control

The Smart Pressure Control System adjusts fan speed according to external pressure, so the air conditioner always gives you consistent cooling and heating power regardless of the surrounding environment.

✻ Check available models with local staff



Wired Remote Controller

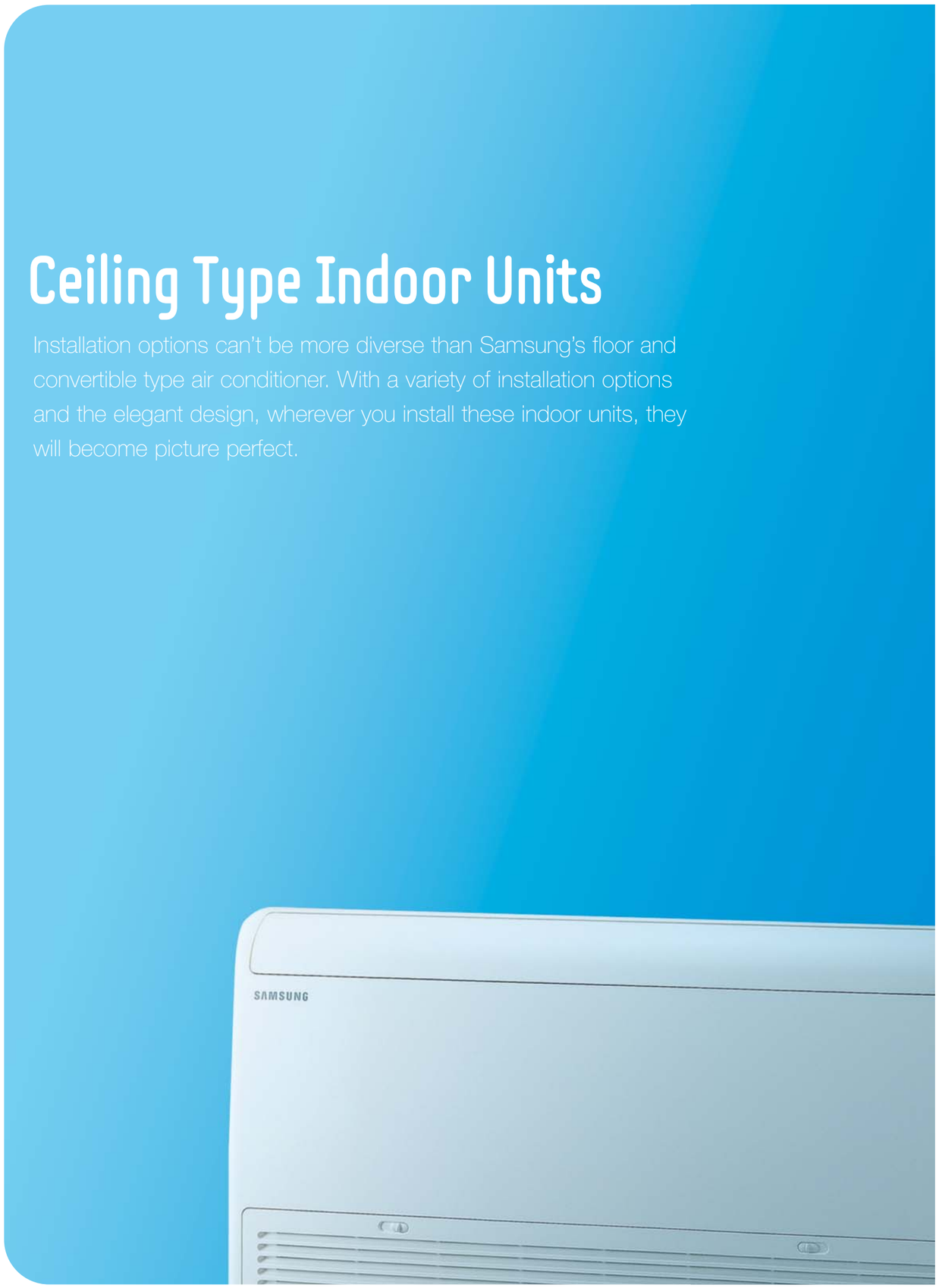
Wired remote controller is supplied for more convenient use of air conditioner (On/Off, Temperature & Fan speed control and so on. Refer to control system)

MWR-SC00T

MWR-TH01

Ceiling Type Indoor Units

Installation options can't be more diverse than Samsung's floor and convertible type air conditioner. With a variety of installation options and the elegant design, wherever you install these indoor units, they will become picture perfect.



Main Feature

2way Installation

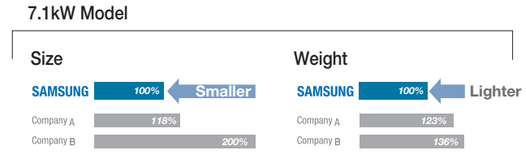
Depending on the space availability and the purpose of the air conditioner, the indoor unit can be installed under the ceiling or on the floor.

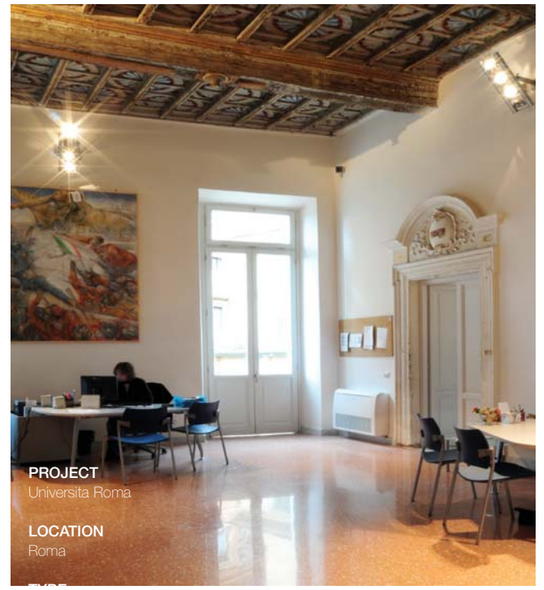
Under Ceiling

Floor Standing

Compact but Powerful

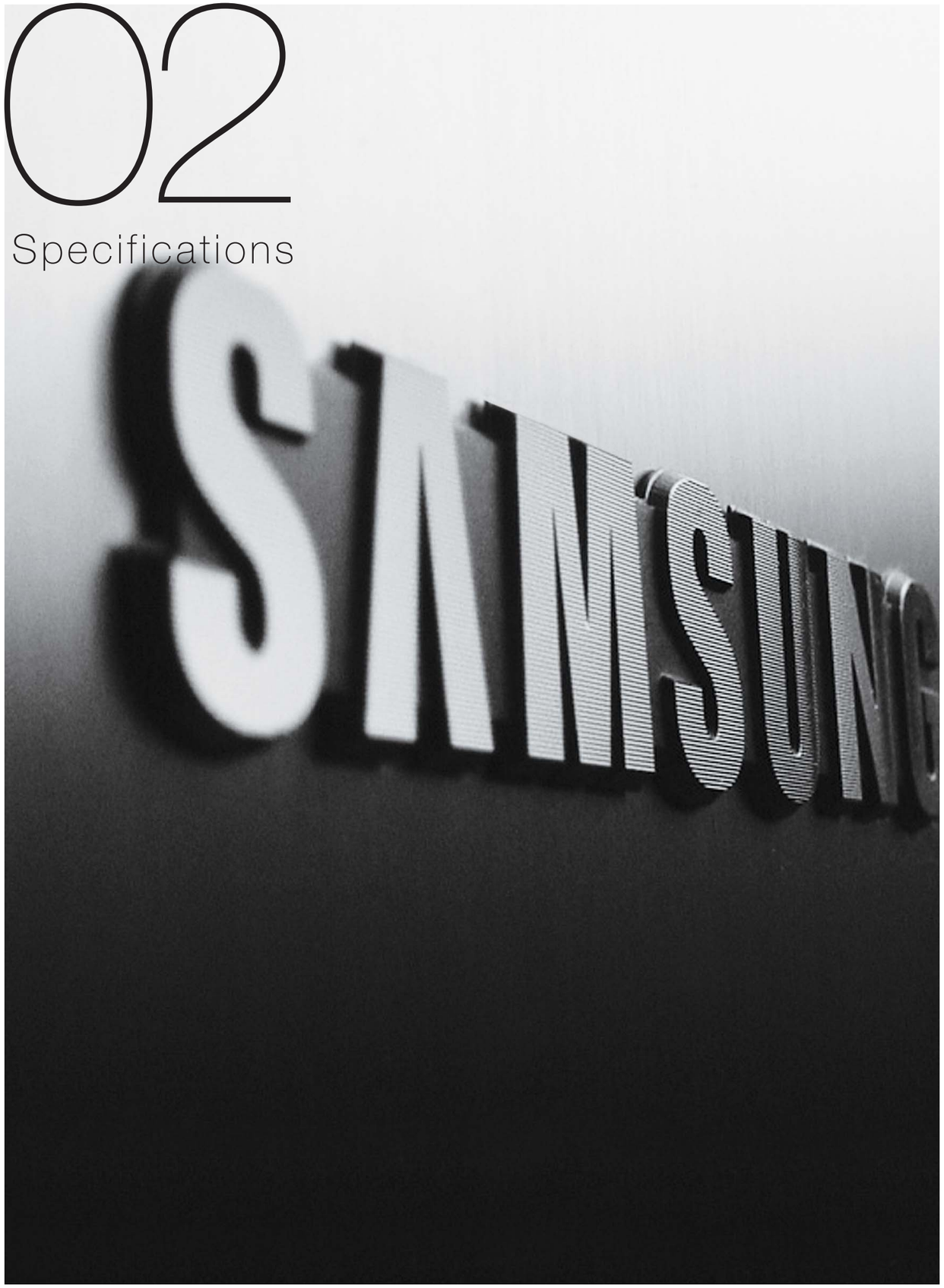
Samsung's ceiling type air conditioner boasts its slim, compact design, half the size of its competitors, with cooling power comparable to competitor's larger products.





02

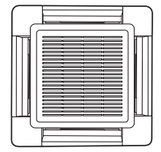
Specifications



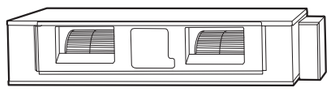
Specifications

Get to know everything about your own air conditioners. View this year's full detail of the product lines. New technologies, features, dimension, etc. Everything your want to know about is here.

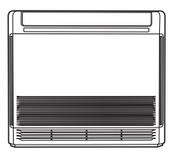
Cassette Type



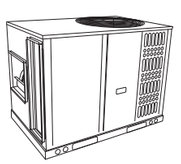
Duct Type



Ceiling Type



Roof Top



Cassette Type

Specification | 4Way Cassette

Model		Indoor Unit		CC18ETVA	CC24ETVA	CC36ETVA	CC42GTVA	CC48GTVA
		Outdoor Unit		CC18ETVX	CC24ETVX	CC36ETVX	CC42GTVX	CC48GTVX
Capacity			Btu/hr	18,000	24,000	34,000	40,000	46,000
			TON	1.5	2	3	3.5	4
Power Input			W	2,850	2,850	3,800	4,600	5,000
EER			W/W	8.42	8.42	8.95	8.70	9.20
Running Current			Amps	13	13	19	8	10
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	3/380~415/50	3/380~415/50
Fan Type			-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Air flow Rate (H/M/L)			CMM	19	23	26	29	31
			CFM	-	-	-	-	-
Indoor	Dimension(Net)	WxHxD	mm	840x218x840	840x218x840	840x298x840	840x298x840	840x298x840
	Dimension(Gross)	WxHxD	mm	925x269x925	925x269x925	925x360x925	925x360x925	925x360x925
	Weight(High/Low)		kg	26/31	26/31	29/35	29/35	29/35
	Sound Level(High/Low)		dB(A)	39/37	42/38	46/42	48/44	50/46
Outdoor	Dimension(Net)	WxHxD	mm	880x648x310	880x648x310	880x931x320	932x1,128x375	932x1,128x375
	Dimension(Gross)	WxHxD	mm	1,023x744x413	1,023x744x413	1,043x1,062x411	1,091x1,268x472	1,091x1,268x472
	Weight(High/Low)		kg	63/70	63/70	90/95	105/120	105/120
	Sound Level(High/Low)		dB(A)	55/52	57/53	62/58	63/58	63/58
Panel with	Model Code		-	PC095MC3S	PC095MC3S	PC095MC3S	PC095MC3S	PC095MC3S
Wireless	Dimension(Net)	WxHxD	mm	950x35x950	950x35x950	950x35x950	950x35x950	950x35x950
Controller	Dimension(Gross)	WxHxD	mm	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042
	Weight(High/Low)		kg	7/10.3	7/10.3	7/10.3	7/10.3	7/10.3
Compressor			-	Rotary	Rotary	Recipro	Recipro	Recipro
Referigerant		Type	-	R22	R22	R22	R22	R22
Piping Connection		Liquid	Inch	1/4	1/4	3/8	3/8	3/8
		Gas	-	1/2	5/8	5/8	3/4	3/4
Operating Range			°F	69~129 (21~54°C)	69~129 (21~54°C)	69~129 (21~54°C)	69~129 (21~54°C)	69~129 (21~54°C)
Loading Qty(40ft H.C)			Container	-	-	-	-	-

Notes

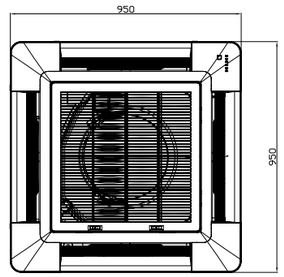
1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 5.0m, Level differences: 0m

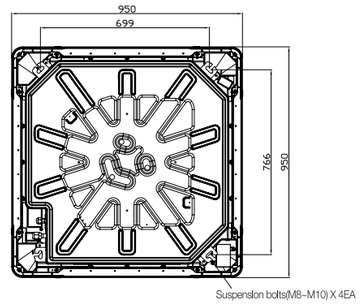
2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

* Specifications are subject to change without prior notice for product improvement.

Dimension

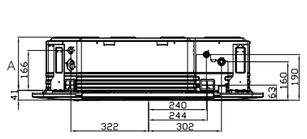
Indoor Units

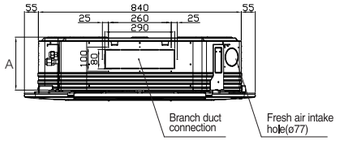




(Unit : mm)

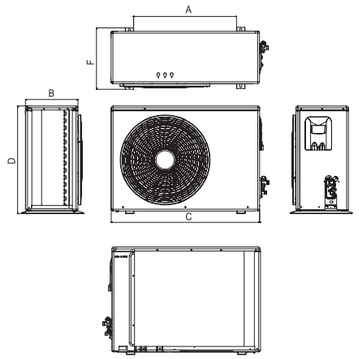
	A
18K/24K	218
36K	298
42K	298
48K	298





Outdoor Units

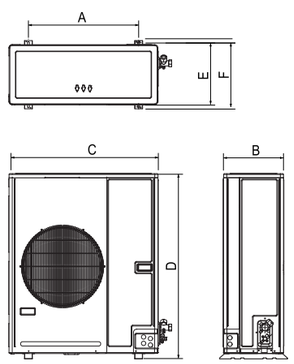
CC24ETVX



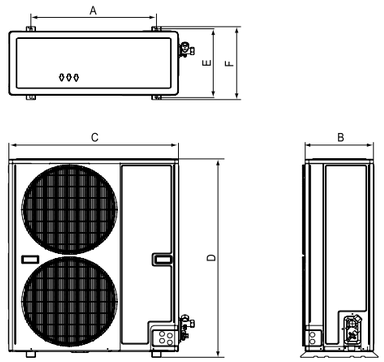
(Unit : mm)

	A	B	C	D	E	F
18K/24K	610	311	880	638	-	364
36K	645	320	880	950	340	364
42K	690	375	932	1162	403	427
48K	690	375	932	1162	403	427

CC36ETVX



CC42GTVX / CC48GTVX



Duct Type

Specification | Duct - Side discharge(Villa, Balcony application)

Model		Air Handling Unit Model		DC18ETSA	DC24ETSA	DC30ETSA	DC36ETSA	DC42ETSA	DC48GTSA	DC60GTSA	DC72GTSA1
		Condensing Unit Model		DC18ETSX	DC24ETSX	DC30ETSX	DC36ETSX	DC42ETSX	DC48GTSX	DC60GTSX	DC72GTSX1
Ambient Temp 95°F	Evaporator Entering Temp	80DB/67WB°F	TMBH	15.50	20.48	25.60	30.72	36.00	41.98	53.04	63.00
			SMBH	11.63	15.36	19.20	23.04	27.00	31.49	39.78	47.20
		76DB/63WB°F	TMBH	14.70	19.46	24.37	29.18	34.20	39.94	50.39	59.78
			SMBH	11.03	14.59	18.28	21.89	25.65	29.95	37.79	44.84
Ambient Temp 115°F	Evaporator Entering Temp	80DB/67WB°F	TMBH	13.67	18.07	22.67	27.16	31.72	37.73	47.03	55.70
			SMBH	10.25	13.55	17.00	20.37	23.79	28.30	35.27	41.77
		76DB/63WB°F	TMBH	12.65	16.71	20.89	25.07	29.38	34.76	43.28	51.35
			SMBH	9.49	12.53	15.67	18.80	22.03	26.07	32.46	38.51
Air Flow Performance		Low	CFM	428	660	1,060	1,060	1,200	1,320	2,120	2,120
		Medium	CFM	504	730	1,130	1,130	1,300	1,460	2,260	2,260
		High	CFM	580	800	1,200	1,200	1,400	1,600	2,400	2,400
External Static Pressure		Standard	INCHES WC.	0.1	0.1	0.24	0.24	0.24	0.24	0.31	0.31
			mmAq	2.5	2.5	6	6	6	6	8	8
Noise Level (AHU)		Low	dB(A)	26	29	37	37	37	38	42	42
		Medium	dB(A)	28	31	39	39	39	40	44	44
		High	dB(A)	30	33	41	41	41	42	46	46
Compressor Type				ROTARY	ROTARY	ROTARY	ROTARY	RECIPRO	RECIPRO	RECIPRO	SCROLL
Expansion Device				CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY
Electrical Data	Power Supply	Air Handling Unit	Ph-Hz-V	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	1-50-220~240
		Condensing Unit	Ph-Hz-V	1-50-220~240	1-50-220~240	1-50-220~240	1-50-220~240	1-50-220~240	3-50-380~415	3-50-380~415	3-50-380~415
	Power	Air Handling Unit	kW	0.08	0.10	0.20	0.20	0.24	0.33	0.40	0.48
		Condensing Unit	kW	1.82	2.00	2.47	2.80	3.16	3.82	4.80	5.12
	Circuit Breaker Size	Air Handling Unit	AMPS.	-	-	-	-	-	-	-	-
		Condensing Unit	AMPS.	30	30	30	30	30	30	30	30
	Full Load Current	Air Handling Unit	AMPS.	0.59	1.40	1.40	1.40	1.40	1.40	2.88	2.88
		Condensing Unit	AMPS.	11.0	12.5	14.5	17.5	21.0	11.0	12.5	14.5
Coil Face Area		Air Handling Unit	SQ.FT	1.98(2R)	2.15(2R)	2.15(2R)	2.15(3R)	3.01(2R)	3.01(3R)	3.95(3R)	3.95(4)
		Condensing Unit	SQ.FT	4.09(1R)	4.69(2R)	5.8(2R)	7.51(2R)	8.43(2R)	8.43(2R)	11.08(2R)	11.08(2R)
Number Of Fans		Air Handling Unit	NOS	2	2	2	2	2	2	2	2
		Condensing Unit	NOS	1	1	1	1	1	1	2	2
Net Weight		Air Handling Unit	LBS	57	70	70	95	81	86	115	121
		Condensing Unit	LBS	75	86	121	154	192	192	231	231
Pipe Size		Vapor	INCH(O.D)	1/2	1/2	5/8	5/8	3/4	3/4	3/4	3/4
		Liquid	INCH(O.D)	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8
Piping Length & Maximum Capacity		Piping Length	ft(m)	50 (15)	50 (15)	50 (15)	100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
		Piping Elevation	ft(m)	26 (8)	26 (8)	26 (8)	50 (15)	50 (15)	50 (15)	50 (15)	50 (15)
		Max. Capacity	%	94	95	95	90	90	90	89	89

Notes

*1) Refer to installation and operation instructions for the full Air Flow Performance Data

*2) Power Supply : 1Ø / 220~240V / 50Hz, 3Ø / 380~415V / 50Hz

*3) Condr. Coil face area = 1R/1.5R/2R=No of rows

*4) For Shipping weight, and 10lbs to the net weight

Duct Type

Specification | Duct - Top discharge Unit (Long piping solution)

Model		Air Handling Unit Model		DC30ETSA	DC36ETSA	DC42ETSA	DC48GTSA	DC60GTSA	DC72GTSA1
		Condensing Unit Model		DC30ETTX	DC36ETTX	DC42ETTX	DC48GTTX	DC60GTTX	DC72GTTX
Ambient Temp 95°F	Evaporator Entering Temp	80DB/67WB°F	TMBH	25.60	30.72	36.00	41.98	53.04	63.00
			SMBH	19.20	23.04	27.00	31.49	39.78	47.20
		76DB/63WB°F	TMBH	24.37	29.18	34.20	39.94	50.39	59.78
			SMBH	18.28	21.89	25.65	29.95	37.79	44.84
Ambient Temp 115°F	Evaporator Entering Temp	80DB/67WB°F	TMBH	22.67	27.16	31.72	37.73	47.03	55.70
			SMBH	17.00	20.37	23.79	28.30	35.27	41.77
		76DB/63WB°F	TMBH	20.89	25.07	29.38	34.76	43.28	51.35
			SMBH	15.67	18.80	22.03	26.07	32.46	38.51
Air Flow Performance		Low	CFM	1,060	1,060	1,200	1,320	2,120	2,120
		Medium	CFM	1,130	1,130	1,300	1,460	2,260	2,260
		High	CFM	1,200	1,200	1,400	1,600	2,400	2,400
External Static Pressure		Standard	INCHES WC.	0.24	0.24	0.24	0.24	0.31	0.31
			mmAq	6	6	6	6	8	8
Noise Level (AHU)		Low	dB(A)	37	37	37	38	42	42
		Medium	dB(A)	39	39	39	40	44	44
		High	dB(A)	41	41	41	42	46	46
Compressor Type				ROTARY	RECIPRO	RECIPRO	RECIPRO	RECIPRO	SCROLL
Expansion Device				CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY	CAPILLARY
Electrical Data	Power Supply	Air Handling Unit	Ph-Hz-V	1-50-220~240	1-50-220~240	1-50-220~240	1-50-220~240	1-50-220~240	1-50-220~240
		Condensing Unit	Ph-Hz-V	1-50-220~240	1-50-220~240	1-50-220~240	3-50-380~415	3-50-380~415	3-50-380~415
	Power	Air Handling Unit	kW	0.20	0.20	0.24	0.33	0.4	0.48
		Condensing Unit	kW	2.47	2.8 0	3.16	3.82	4.80	5.10
	Circuit Breaker Size	Air Handling Unit	AMPS.	-	-	-	-	-	-
		Condensing Unit	AMPS.	30	30	30	30	30	30
	Full Load Current	Air Handling Unit	AMPS.	1.40	1.40	1.40	1.40	2.88	2.88
		Condensing Unit	AMPS.	14.5	17.5	21.0	11.0	12.5	14.5
Coil Face Area		Air Handling Unit	SQ.FT	2.15(2R)	2.15(3R)	3.01(2R)	3.01(3R)	3.95(3R)	3.95(4R)
		Condensing Unit	SQ.FT	12.3(1R)	12.3(1R)	12.3(2R)	12.3(2R)	15.85(2R)	15.85(2R)
Number Of Fans		Air Handling Unit	NOS	2	2	2	2	2	2
		Condensing Unit	NOS	1	1	1	1	1	1
Net Weight		Air Handling Unit	LBS	70	95	81	86	115	121
		Condensing Unit	LBS	114	156	156	163	191	191
Pipe Size		Vapor	INCH(O.D)	5/8	5/8	3/4	3/4	3/4	3/4
		Liquid	INCH(O.D)	1/4	3/8	3/8	3/8	3/8	3/8
Piping Length & Maximum Capacity		Piping Length	ft(m)	100 (30)	164 (50)	164 (50)	164 (50)	164 (50)	164 (50)
		Piping Elevation	ft(m)	50 (15)	100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
		Max. Capacity	%	90	82	82	82	81	81

Notes

*1) Refer to installation and operation instructions for the full Air Flow Performance Data

*2) Power Supply : 1Ø / 220~240V / 50Hz, 3Ø / 380~415V / 50Hz

*3) Condr. Coil face area = 1R/1.5R/2R=No of rows

*4) For Shipping weight, and 10lbs to the net weight

Duct Type

Specification | Duct - Side discharge Unit (Long piping solution)

Model		Air Handling Unit Model		DC24ETVA	DC30ETVA
		Condensing Unit Model		DC24ETVX	DC30ETVX
Ambient Temp 95°F	Evaporator Entering Temp	80DB/67WB°F	TMBH	24.48	30.60
			SMBH	18.36	22.95
		76DB/63WB°F	TMBH	23.26	29.07
			SMBH	17.44	21.80
Ambient Temp 115°F	Evaporator Entering Temp	80DB/67WB°F	TMBH	21.54	26.93
			SMBH	16.16	20.20
		76DB/63WB°F	TMBH	20.07	25.09
			SMBH	15.06	18.82
Air Flow Performance		Low	CFM	700	880
		Medium	CFM	750	940
		High	CFM	800	1,000
External Static Pressure		Standard	INCHES WC.	0.1	0.31
			mmAq	2.5	8.0
Noise Level (AHU)		Low	dB(A)	30	35
		Medium	dB(A)	32	36
		High	dB(A)	33	38
Compressor Type				ROTARY	RECIPRO
Expansion Device				CAPILLARY	
Electrical Data	Power Supply	Air Handling Unit	Ph-Hz-V	1-50-220~240	1-50-220~240
		Condensing Unit	Ph-Hz-V	1-50-220~240	1-50-220~240
	Power	Air Handling Unit	kW	0.13	0.30
		Condensing Unit	kW	2.72	3.20
	Circuit Breaker Size	Air Handling Unit	AMPS.		
		Condensing Unit	AMPS.	30	30
	Full Load Current	Air Handling Unit	AMPS.	0.60	2.00
		Condensing Unit	AMPS.	17.5	18.5
Coil Face Area		Air Handling Unit	SQ.FT	1.59(3R)	3.01(2R)
		Condensing Unit	SQ.FT	5.8(2R)	8.43(2R)
Number Of Fans		Air Handling Unit	NOS	3	2
		Condensing Unit	NOS	1	1
Net Weight		Air Handling Unit	LBS	68	95
		Condensing Unit	LBS	122	170
Pipe Size		Vapor	INCH(O.D)	5/8	5/8
		Liquid	INCH(O.D)	1/4	3/8
Piping Length & Maximum Capacity		Piping Length	ft(m)	100 (30)	100 (30)
		Piping Elevation	ft(m)	50 (15)	50 (15)
		Max. Capacity	%	93	93

Notes

*1) Refer to installation and operation instructions for the full Air Flow Performance Data

*2) Power Supply : 1Ø / 220~240V / 50Hz, 3Ø / 380~415V / 50Hz

*3) Condr. Coil face area = 1R/1.5R/2R=No of rows

*4) For Shipping weight, and 10lbs to the net weight

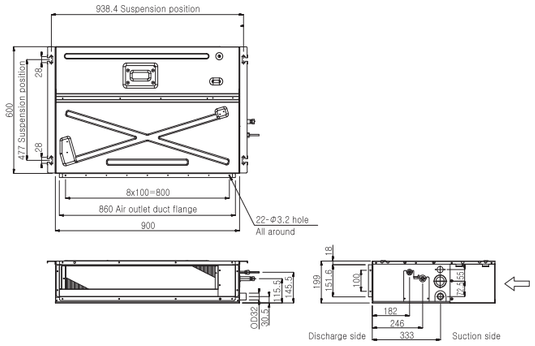
DC36ETVA	DC36GTVA	DC42GTVA	DC48GTVA	DC60GTVA
DC36ETVX	DC36GTVX	DC42GTVX	DC48GTVX	DC60GTVX
36.72	35.70	42.84	47.94	57.12
27.54	26.78	32.13	35.96	42.84
34.88	33.92	40.70	45.54	54.26
26.16	25.44	30.52	34.16	40.70
32.31	31.42	37.70	42.19	50.27
24.24	23.56	28.27	31.64	37.70
30.11	29.27	35.13	39.31	46.84
22.58	21.96	26.35	29.48	35.13
1,060	1,060	1,230	1,400	1,760
1,130	1,130	1,320	1,500	1,880
1,200	1,200	1,400	1,600	2,000
0.31	0.31	0.31	0.31	0.31
8.0	8.0	8.0	8.0	8.0
36	36	39	39	43
38	38	40	42	44
40	40	41	43	47
RECIPRO	RECIPRO	RECIPRO	RECIPRO	SCROLL
1-50-220~240	1-50-220~240	1-50-220~240	1-50-220~240	1-50-220~240
1-50-220~240	3-50-380~415	3-50-380~415	3-50-380~415	3-50-380~415
0.36	0.36	0.40	0.56	0.56
3.72	3.61	4.10	4.74	5.04
30	30	30	30	30
2.30	2.30	2.30	2.50	2.50
23.7	9.0	11.0	12.5	14.5
3.01(3R)	3.01(2R)	3.01(3R)	3.95(3R)	3.95(4R)
8.43(2R)	8.43(2R)	11.08(2R)	11.08(2R)	11.08(2R)
2	2	2	2	2
1	1	2	2	2
99	95	99	115	126
192	192	225	232	232
3/4	3/4	3/4	3/4	3/4
3/8	3/8	3/8	3/8	3/8
164 (50)	164 (50)	164 (50)	164 (50)	164 (50)
100 (30)	100 (30)	100 (30)	100 (30)	100 (30)
85	85	85	83	83

Duct Type

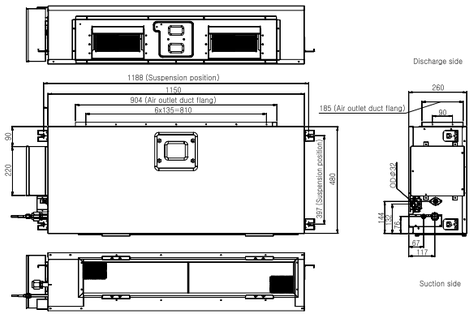
Dimension | Side discharge - Indoor Units

(Unit : mm)

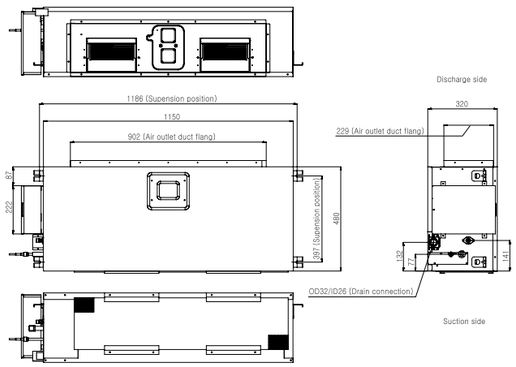
18K



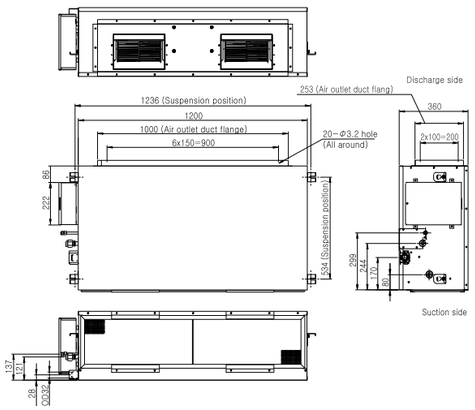
24K/30K/36K



42K/48K

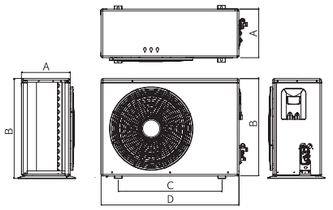


60K/72K



Dimension | Side discharge - Outdoor Units

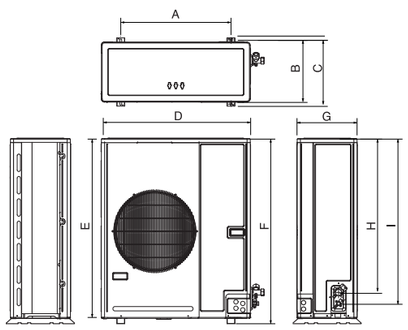
18K/24K/30K/36K



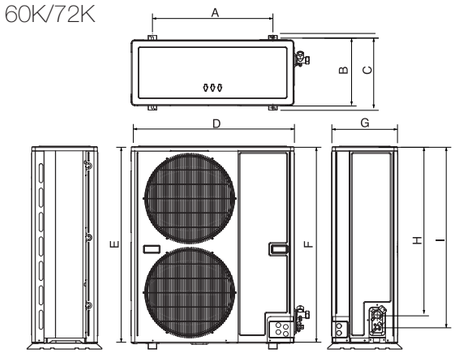
(Unit : mm)

	A	B	C	D	E	F	G	H	I
18K	265	548	568	720	-	-	-	-	-
24K	285	548	543	790	-	-	-	-	-
30K	310	638	660	880	-	-	-	-	-
36K	310	798	660	880	-	-	-	-	-
42K/48K	645	340	364	880	931	950	320	769	839
60K/72K	690	403	427	932	1,128	1,162	375	966	1,036

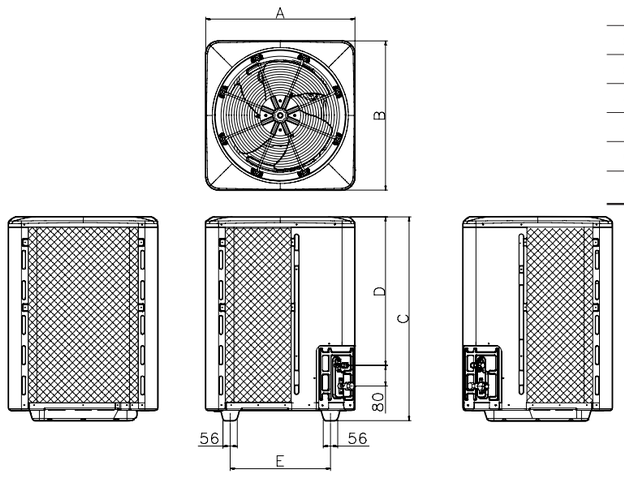
42K/48K



60K/72K



Dimension | Side discharge - Outdoor Units



(Unit : mm)

	A	B	C	D	E
30K	578	578	788	575	389
36K	578	578	788	575	389
42K	578	578	788	575	389
48K	578	578	788	575	389
60K	668	668	826	613	479
72K	668	668	826	613	479

Rooftop Type

Specification | Rooftop

Model			RC040RTRGA	RC050RTRGA
Nominal Tonnage			4	5
Power Supply		V-Hz-ph	380~415-50-3	380~415-50-3
Compressor Brand & Type			Copeland/Scroll	Copeland/Scroll
Performance				
Cooling T1/T3		Btu/h	48,000/42,0700	55,000/48,500
Power Input T1/T3		W	5,030/6,230	7,400/8,900
SEER T1/T3		Btu/h	10/7.5	10/7.5
Nominal CFM		Indoor	1,670	1,670
Dimensions				
Net	Length	mm(in)	1,102(43)	1,102(43)
	Width	mm(in)	730(29)	730(29)
	Heigh	mm(in)	830(33)	830(33)
Packing	Length	mm(in)	1,152(45)	1,152(45)
	Width	mm(in)	765(30)	765(30)
	Heigh	mm(in)	870(34)	870(34)
Weight				
Net		kg(lbs)	169(373)	167(368)
Gross		kg(lbs)	172(379)	170(375)
Qty'per 20'/40'/40' HC		Pieces	30/62/90	30/62/90

Model			RC060RTRGA	RC070RTRGA	RC080RTRGA	RC100RTRGA
Nominal Tonnage			6	7	8	10
Power Supply		V-Hz-ph	380~415-50-3	380~415-50-3	380~415-50-3	380~415-50-3
Compressor Brand & Type			Copeland/Scroll	Copeland/Scroll	Copeland/Scroll	Copeland/Scroll
Performance						
Cooling T1/T3		Btu/h	73,400/65,000	94,000/80,100	107,000/94,600	127,000/107,000
Power Input T1/T3		W	9,700/11,000	9,700/11,000	10,200/12,600	12,300/14,500
SEER T1/T3		Btu/h	9.9/7.3	9.7/7.3	10.5/7.5	10.3/7.4
Nominal CFM		Indoor	2,480	3,000	3,400	4,000
Dimensions						
Net	Length	mm(in)	1,235(49)	1,235(49)	1,335(53)	1,335(53)
	Width	mm(in)	2,089(84)	2,089(84)	2,165(85)	2,165(85)
	Heigh	mm(in)	900(35)	900(35)	1,002(40)	1,002(40)
Packing	Length	mm(in)	1,315(52)	1,315(52)	1,415(56)	1,415(56)
	Width	mm(in)	2,135(84)	2,135(84)	2,220(87)	2,220(87)
	Heigh	mm(in)	1,065(42)	1,065(42)	1,165(46)	1,165(46)
Weight						
Net		kg(lbs)	383(844)	387(853)	441(972)	443(977)
Gross		kg(lbs)	427(941)	431(950)	484(1,067)	486(1,071)
Qty'per 20'/40'/40' HC		Pieces	8/18/18	8/18/18	8/16/16	8/16/16

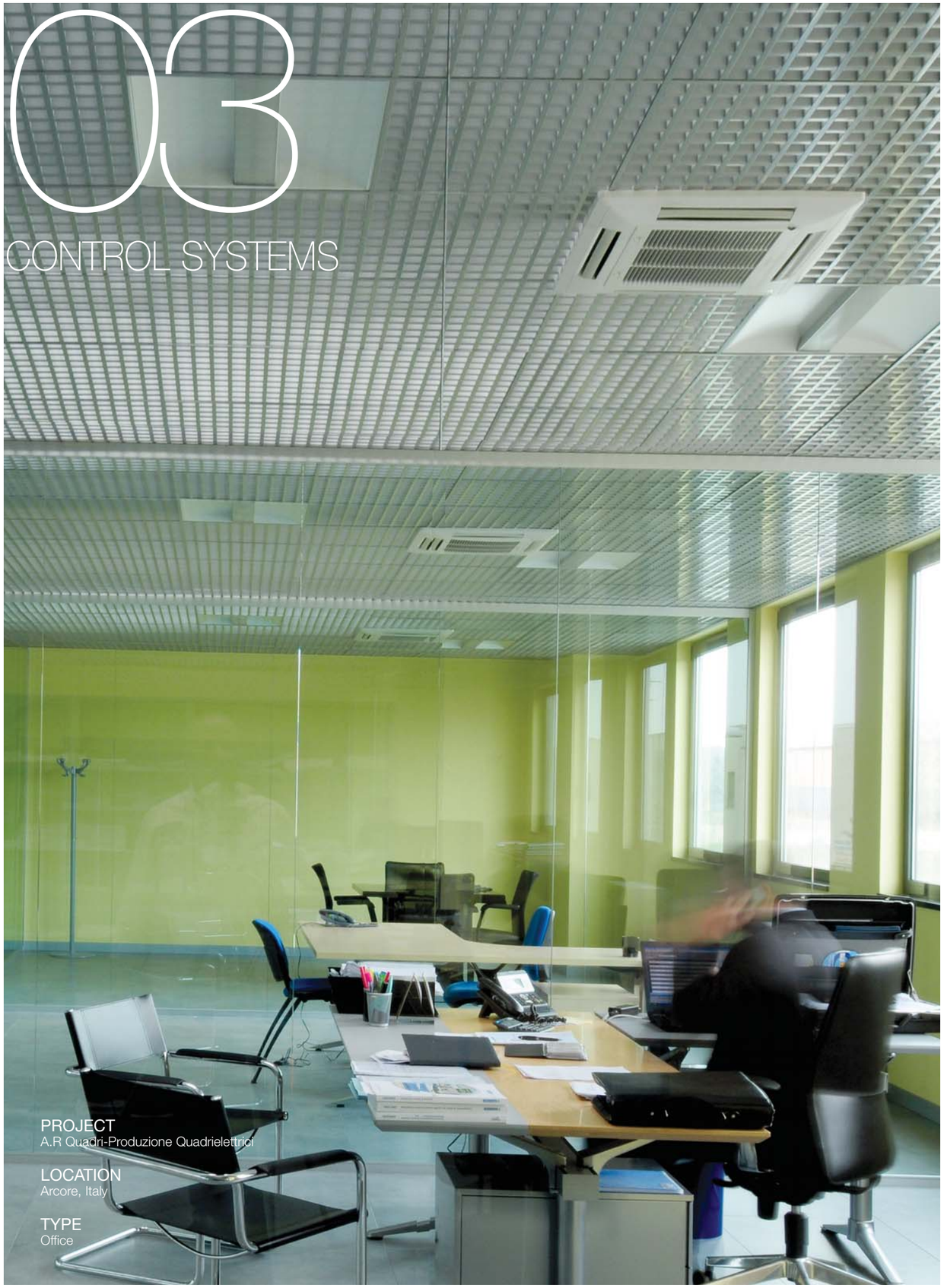
Model			RC120RTRGA	RC150RTRGA	RC180RTRGA	RC200RTRGA	RC250RTRGA
Nominal Tonnage			12	15	18	20	25
Power Supply		V-Hz-ph	380~415-50-3	380~415-50-3	380~415-50-3	380~415-50-3	380~415-50-3
Compressor Brand & Type			Copeland/Scroll	Copeland/Scroll	Copeland/Scroll	Copeland/Scroll	Copeland/Scroll
Performance							
Cooling T1/T3		Btu/h	150,000/129.000	180,000/158,000	210,000/185,600	240,000/209,600	300,000/263,000
Power Input T1/T3		W	15,100/17,600	19,100/21,700	21,000/25,000	24,800/28,700	31,280/38,460
SEER T1/T3		Btu/h	9.9/7.3	9.4/7.3	10/7.4	9.7/7.3	9.7/7.3
Nominal CFM		Indoor	5,000	6,000	7,000	8,000	10,200
Dimensions							
Net	Length	mm(in)	1,825(72)	1,825(72)	2,157(85)	2,157(85)	2,157(85)
	Width	mm(in)	2,229(88)	2,229(88)	2,753(108)	2,753(108)	2,753(108)
	Heigh	mm(in)	1,245(49)	1,245(49)	1,245(49)	1,245(49)	1,245(49)
Packing	Length	mm(in)	2,229(88)	2,229(88)	2,175(86)	2,175(86)	2,175(86)
	Width	mm(in)	1,262(50)	1,262(50)	2,759(109)	2,759(109)	2,759(109)
	Heigh	mm(in)	1,825(72)	1,825(72)	1,262(50)	1,262(50)	1,262(50)
Weight							
Net		kg(lbs)	700(1,543)	710(1,565)	900(1,984)	930(2,050)	965(2,127)
Gross		kg(lbs)	720(1,587)	730(1,609)	915(2,017)	945(2,083)	980(2,160)
Qty'per 20'/40'/40' HC		Pieces	3/6/12	3/6/12	2/4/8	2/4/8	2/4/8

Notes
*1) Refer to installation and operation instructions for the full Air Flow Performance Data
*2) Power Supply : 1Ø / 220~240V / 50Hz, 3Ø / 380~415V / 50Hz
*3) Condr. Coil face area = 1R/1.5R/2R=No of rows
*4) For Shipping weight, and 10lbs to the net weight

Controllers | Rooftop

KJR-12B/DP(T)-E		Optional thermostat controller, suitable for rooftop pacage.
KJR-23B		Optional well-known brand thermostat controller, suitable for rooftop package.

03
CONTROL SYSTEMS



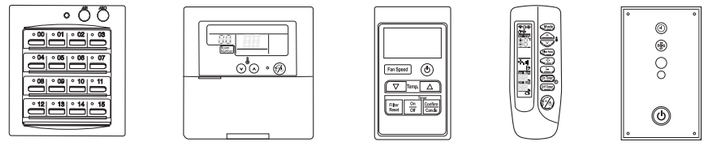
PROJECT
A.R Quadri-Produzione Quadrielettrici

LOCATION
Arcore, Italy

TYPE
Office

Power of control, within your hands

Samsung's control system is the most convenient system in the industry. A variety of controllers have been introduced and improved to make controlling system air conditioners more simple and easy. With Samsung's innovative control system, your life will become easier.



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Centralized Control System

Centralized control system is more than enough to control multiple groups and individual indoor units. With samsung's centralized controller, conveniently and efficiently control the multiple or individual indoor units.

Control Systems Function Icon

- ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING
- INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)
- ERROR DISPLAY
- FILTER REPLACEMENT ALARM RESET

Centralized Controller

MCM-A202B

- Maximum 16 group controls (Maximum 256 Indoor units)
- Unified/Individual indoor unit control (On/Off)
- Wireless/wired remote control restriction
- Cooling/Heating mode control
- Indoor unit error display

MCM-A202B has compatibility with MCM-A202A

Wired Remote Controller

MWR-TH01

- Wireless remote control restriction
- Simple schedule control

Individual Control System

There is a variety of wired and wireless controllers for convenient use of your air conditioners. With different control options, you can choose one that suits your air conditioning environment.

Control Systems Function Icon

- ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING
- INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)
- ERROR DISPLAY
- FILTER REPLACEMENT ALARM RESET

Wired Remote Controller

MWR-SC00T

- On / Off control
- Temperature control
- Fan speed control (High-Mid-Low)
- Filter wash alarm (Indicating cleaning time)
- On / Off timer setting
- Error display when service is required

Wireless Remote Controller

MR-AH01

- Compact size
- Simple schedule control
- Soft touch button

Wireless Signal Receiver

MRK-A00

- Wireless remote controller solution for duct user
- Signal receiver (MRK-A00) + Receiver wire (MRW-10A) requireed for wireless remote control

Memo

2010
Samsung Ceiling Air Conditioners

Memo