

Think GAIA  
For Life and the Earth

**SANYO**



## Room Air Conditioners 2008/09

ROOM AIR CONDITIONERS

COMMERCIAL SPLIT SYSTEM

ELECTRIC VRF

GAS DRIVEN VRF



SANYO Air Conditioners. The natural choice.



# Product Range 2008/09 - contents

## INTRODUCTION

SANYO Air Conditioners - Introduction	6
"Think GAIA" - the brand vision of SANYO	7

## ROOM AIR CONDITIONERS

Introduction	10
Room Air Conditioners - Overview	11

### Inverter Systems

Shiki Sai Kan - wall mounted unit	12
Mini Shiki Sai Kan - wall mounted unit	14
KRV Type Inverter - wall mounted unit (6 Series)	16
XRV Type Inverter - 4 way cassette (6 Series)	17
F/FT Type Inverter - floor & ceiling mounted units (6 Series)	18
URV Type Inverter - concealed duct (6 Series)	19
CRV Outdoor Unit	20

### Constant Speed Systems

KR Type Constant Speed - wall mounted unit (7 Series)	22
KR Type Constant Speed - wall mounted unit (4 Series)	23
XR Type Constant Speed - 4 way cassette	24
F/FT Type Constant Speed - wall & ceiling mounted units	25
UR Type Constant Speed - concealed duct	26

### Flexi Multi Split Systems

Flexi Multi DC Inverter Heat Pump	27
Flexi Multi Split Systems	27
Flexi Multi (6 Series)	28
Mini Shiki Sai Kan Flexi Multi - wall mounted unit	29
K Type Flexi Multi - wall mounted unit	30
XMR Type Flexi Multi - 4 way blow compact cassette	31
F/FT Type Flexi Multi - floor & ceiling mounted units	32
UMR Type Flexi Multi - concealed duct	33
Flexi Multi CMRV Outdoor Unit	34
Flexi Multi Indoor Unit Operating Capacities (6 Series)	35
Mobile Air Conditioning Units	39

## VIRUS WASHER

Virus Washer Domestic Use Air Purifying System	42
Virus Washer Commercial Use Air Purifying System	44
ABC Air Cleaner	45

# SANYO Air Conditioners - 50th Anniversary (1958-2008)

## SANYO Air Conditioners - the natural choice

In 2008 SANYO celebrates 50 years in the air conditioning industry. During this time SANYO has earned its reputation as an innovator in air conditioning, consistently delivering market-leading technology and reliability. From the world's first heat pump air conditioners developed in 1960 to the first gas driven VRF systems in the 1980s and the first 3-pipe VRF system developed in 1989, our continuous programme of research and development has ensured that SANYO's products remain at the forefront of innovation.

However, developing market-leading technology is only one part of the story. We are committed to delivering a complete service to all of our clients, from customer service to ensuring we provide the most reliable products in the industry.

## 2008 - another year of innovation

Here at SANYO we are excited about the future. 2007 saw the launch of many revolutionary new technologies including solar air conditioning, the CO2 Water Heater and the Virus Washer, to name just a few.

In 2008 we plan to celebrate our 50th anniversary with more ground-breaking product launches. These include our new range of Elite PACi - super-efficient Commercial Split Systems, new VRF indoor units, more efficient and stylish Room Air Conditioners and the unmatched performance of the new M Series Gas Heat Pumps.

Most notable of all is the launch of the ECO G Power - gas driven VRF combined with an electric generator. This has to be one of the most environmentally friendly heat pumps ever, providing not only cooling and heating but also a supply of electricity.



SANYO's Solar Ark, the world's largest solar power generator.



# Think GAIA - the brand vision of SANYO

## Environmental sustainability and "Think GAIA"

In the latter part of the last century, mankind's pursuit of convenience and material comforts left indelible marks on the earth, such as global warming and environmental destruction. SANYO has always had a strong environmental focus. However, in 2005 we took that a stage further and based our whole corporate philosophy on the concept of "Think GAIA". Under this brand vision SANYO has committed to using global resources and skills to develop solutions for a sustainable coexistence on earth.

## What is "Think GAIA"?

"GAIA", originally the mythological goddess of the Earth, is a concept rapidly gaining momentum today. Based around the belief that living organisms on the earth affect the nature of their environment, the concept of "GAIA" was first proposed in 1979 by the English scientist James Lovelock, who participated in NASA's Mars exploration programme during the 1960s. Lovelock proposed the idea of earth as a living, green organism where mankind and all living things live in harmony. His recent book "The Revenge of GAIA" serves as a wake-up call and has sparked much public debate.

## SANYO - committed to developing environmental technologies

At SANYO actions speak louder than words. We are dedicated to incorporating the "Think GAIA" ethos throughout our business - an example of this is our Solar Ark, which is the world's largest solar power generator, with over 5000 cells, used to supply one of our production plants.

"Think GAIA" has also been the driving force behind many environmentally sustainable products that are already widely available, including:

- **ECOi Electric VRF systems** - we have developed some of the most energy-efficient and reliable products in the industry.
- **Gas Driven VRF system** - providing an energy-efficient solution that delivers a reduced carbon footprint.
- **Virus Washer** - suppresses 99% of airborne viruses from treated air including common cold, flu and avian flu. Now available as a free-standing unit, it will soon be available in air conditioning systems.
- **Solar air conditioners** - set to revolutionise the air conditioning industry.

## World-leading innovators

The "Think GAIA" brand vision is driving environmentally sustainable product development throughout the whole SANYO corporation, including the eneloop battery, which can be recharged 1000 times and has a solar charger, and the revolutionary AQUA washing machine, which uses ozone rather than detergent as well as recycling its water.



The Virus Washer is proven to effectively suppress viruses, bacteria and allergens.



The eneloop battery can be recharged 1000 times and has a solar charger.



The revolutionary AQUA washing machine uses ozone rather than detergent and recycles its water.



SANYO supplies the nickel-metal batteries used in hybrid cars such as Ford's Escape Hybrid and Honda's Accord Hybrid.





ROOM AIR CONDITIONERS

# Introduction

The Room Air Conditioning range, specifically designed for small to medium sized areas, is, like all our air conditioning systems, the result of an extensive research and development program developed since 1958. Our innovative products offer the ideal solution when you need quiet, efficient room air conditioning to create a comfortable environment within a realistic budget. The latest generation of SAP models are among the most technically advanced and energy-efficient systems available today and are backed by SANYO's renowned reliability and customer service.

In addition to 1:1 Split systems, SANYO also produce the Flexi Multi - an advanced range of R410A DC inverter Heat Pump Multi Split Systems. Either 2, 3 or 4 indoor units can be connected to a single outdoor unit of 4.0kW, 6.8kW or 8.0kW.

2008 sees further improvements to the range. Our new Wall Mounted Units not only offer better performance but are also more stylish, making them a welcome addition to any design-conscious home.

For example the sleek, high-performance Mini Shiki Sai Kan comes with a choice of 5 stylish panel colours. Our extended range for 2008 also includes better performance, more efficient comfort heating and cooling systems.

## Benefits

### Environmentally friendly

The SAP range utilises the non-ozone-depleting R410A refrigerant, which means you can benefit from a comfortable environment without compromising the environment.

### Increased efficiency

Innovations in the system mean that the SANYO range of room conditioners deliver market-leading efficiency.

### Cost-effective running

Increased efficiency also means lower energy consumption and lower operating costs for you.

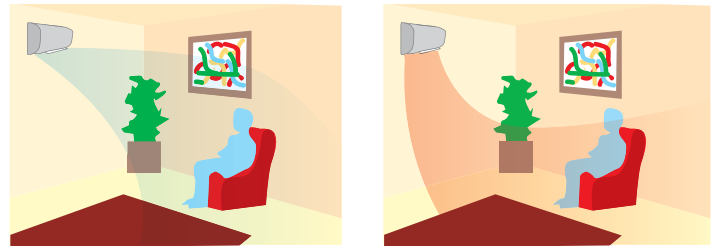
### Quiet operation

Our leading technology means you can enjoy the benefits of air conditioning without the noise.

### Stylish design

All our range is designed to look good in any environment, but for the ultimate in style the new Shiki Sai Kan and Mini Shiki Sai Kan come with a choice of front panels to match any interior décor.

### SANYO Air Conditioners provide comfort cooling and heating














Energy		Air conditioning	Product Type
Manufacturer		<b>SANYO</b>	
External Unit		SAP ....	Reference
Internal Unit		SAP ....	
<b>More Efficient</b>		<b>A</b>	<b>Energy C class</b> There are seven classes, from "A" to "G".
A			<b>Annual energy consumption</b> The annual energy consumption is calculated by multiplying the consumption at full cooling capacity by an average of 500 hours of operation.
B			
C			
D			
E			
F			
G			
<b>Less Efficient</b>			
<b>Annual energy consumption in cooling mode KWh/year</b> (Annual consumption depends on climate and how the unit is used)		***	<b>Energy efficiency ratio</b> The higher the numerical value of this ratio, the more efficient is the air conditioning unit.
<b>Cooling output KW</b>		***	
<b>Energy efficiency ratio</b> Full load (the higher the better)		***	
<b>Type</b>			<b>Climate</b>
Cooling Only	—		
Cooling + Heating	←		
Air Cooled	←		
Water Cooled	—		
<b>Heat Output KW</b>		***	
<b>Heating Performance</b> A: higher G: lower		ABCDEF G	
<b>Noise</b> (dB(A) re 1 pW)		** **	<b>Product noise</b> Inside Outside
Further information is contained in product brochures. Norm EN 814 Air-Conditioner Energy Label Directive 2002/31/EC			

## R410A










SAP R410A units are highly rated on EEL, which confirms that they are amongst the most energy-efficient systems available. Power consumption during operation is substantially less than that of lower rated units and consequently both the day-to-day running costs and full life cycle costs are significantly reduced.

# Room Air Conditioners - Overview







## Inverter Systems

						
Page	Capacity	kW	2.65	3.5	5.1	7.1
12		Shiki Sai Kan - wall mounted unit	•	•		
14		Mini Shiki Sai Kan - wall mounted unit	•	•		
16	<b>NEW</b> 	KRV Type Inverter - wall mounted unit	•	•	•	•
17	<b>NEW</b> 	XRV Type - 4 way cassettes	•	•	•	
18	<b>NEW</b> 	F/FT Inverter - floor & ceiling mounted units	•	•	•	•
19	<b>NEW</b> 	URV Type - concealed duct	•	•	•	•

## Constant Speed ON/OFF systems

						
Page	Capacity	kW	2.65	3.5	5.1	6.4
22	<b>NEW</b> 	KR Type 7 Series - wall mounted unit	•	•		
23		KR Type 4 Series - wall mounted unit	•	•	•	•
24		XR Type - 4 way cassette	•	•	•	
25		F/FT Type - floor & ceiling mounted units	•	•	•	•
26		UR Type - concealed duct	•	•	•	•

## Multi-Split systems

		Multiple combination possible					
Page	Capacity	kW	2.2	2.65	3.5	5.1	7.1
29		Mini Shiki Sai Kan - wall mounted unit		•	•		
30	<b>NEW</b> 	K Type 6 Series - wall mounted unit	•	•	•	•	•
31		XMR Type - 4 way cassette		•	•	•	
32		F/FT Type - floor & ceiling mounted units		•	•	•	•
33		UMR Type - concealed duct		•	•	•	•

# Shiki Sai Kan - wall mounted unit

SAP-KRV94EHDX SAP-KRV124EHDX



Outdoor unit



Remote

**SANYO's Shiki Sai Kan model incorporates cutting-edge technology. This includes the industry's top-class energy-saving design, a wide array of airflow control options and heating/cooling operation down to -15°C.**

- Amazing performance in energy-saving: COP up to 5.0
- No reverse cycle defrost. Utilises hot gas injection defrosting, for non-stop heating operation
- Sleek & stylish panel design in a choice of 7 designer colours, silver available as standard
- Super quiet mode: 22 dB(A)
- LED photocatalytic sterilisation function features high-performance odour, germ and bacteria filters
- Negative ions generator helps clean the air of pollutants and is beneficial to health
- Air clean apatite filter
- 3D air flow
- Cooling and heating down to -15°C
- Night set back - economy mode function ensures gentle and energy-saving cooling and heating
- Multifunctional wireless remote control with built-in temperature sensor
- Automatic retractable panel to improve air flow, efficiency and reduce sound levels

## 6 colour choices (options)



SPN-EXR(K)  
Black



SPN-EXR(D)  
Orange



SPN-EXR(R)  
Red



SPN-EXR(N)  
Gold



SPN-EXR(T)  
Brown



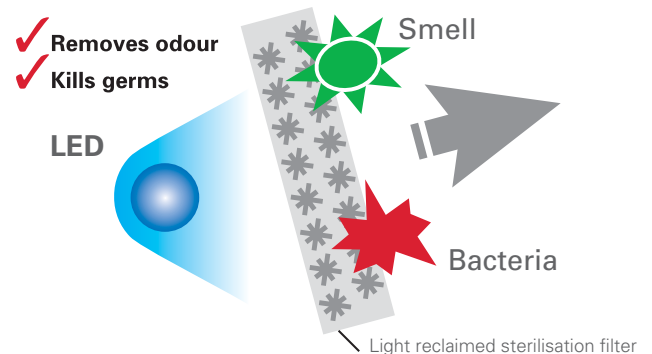
SPN-EXR(W)  
White

## Air Clean Apatite Filter

Apatite or calcium phosphate is highly effective in trapping germs, mites, pollen, dirt and dust, as well as cigarette odour. The triple layered air clean apatite filter consists of antibacterial, deodourising and dust collecting sections that maintain healthy, clean air in your room.

## Photocatalytic sterilisation

The light reclaimed sterilisation filter attracts airborne bacteria, germs and allergens, and inactivates these pollutants with LED irradiation.



## Negative Ions Generator

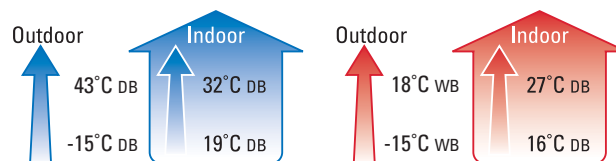
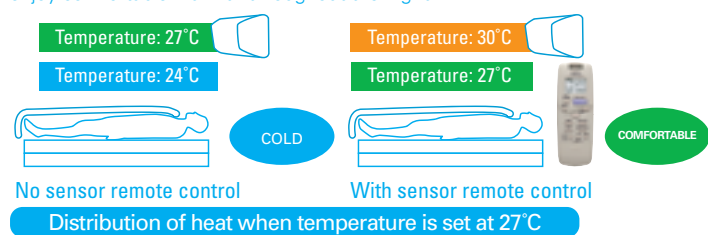




## Built-in temperature sensor

The temperature sensor incorporated into the remote control monitors the temperature around you.

Place the sensor remote control at your bedside so that you can enjoy comfortable warmth throughout the night.



		INVERTER HEAT PUMP			
		size 94		size 124	
Performance		Cooling	Heating	Cooling	Heating
Capacity	kW	2.65 (0.90-3.80)*	3.60 (0.90-5.50)*	3.50 (0.90-4.20)*	4.80 (0.90-6.00)*
Power input	W	250-530-1350	250-720-1450	250-875-1435	250-1140-1545
EER/COP		5.00	5.00	4.00	4.21
Energy class		A	A	A	A
Total	kW	2.55	3.2	3.37	4.3
Sensible	kW	2.3	-	2.7	-
Running current	Amps	2.4 (1.6-6.9)	3.3 (1.6-9.9)	4.0 (1.6-7.8)	5.2 (1.6-9.9)
Indoor Unit		SAP-KRV94EHDX		SAP-KRV124EHDX	
Air circulation	(H) m <sup>3</sup> /h	600		630	
Moisture removal	Litres/h	1.8	-	2.0	-
Sound pressure level (Quiet Mode/H/M/L)	dB(A)	22/39/38/30	22/40/38/30	22/40/38/30	22/41/38/30
Dimensions	(HxWxD) mm	300x898x200		300x898x200	
Net weight	kg	12.5		12.5	
Power supply	V,ph,Hz	220-240V/1ø 50Hz			
Outdoor Unit		SAP-CRV94EHDX		SAP-CRV124EHDX	
Sound power level	(H) dB(A)	67	68	68	69
Sound pressure level	(H) dB(A)	49	50	50	51
Dimensions	(HxWxD) mm	569x790x285			
Net weight	kg	40			
Power supply	V,ph,Hz	220-240V/1ø 50Hz			
Installation Data		size 94		size 124	
Pipe size suction/discharge	Inches	1/4, 3/8			
Max piping length	m	15			
Precharged piping length	m	7.5			
Amount of additional refrigerant	g/m	15			
Max elevation difference - O.U. - I.U.	m	10			
Recommended fuse size	AMP	16			
Communication cables	mm	3 Core + Earth			
Power supply to		Indoor unit			

\* Boost mode allowed to run for a maximum of 20 min.

# Mini Shiki Sai Kan - wall mounted unit

SAP-KRV96EHDS SAP-KRV126EHDS

Following the success and popularity of the Shiki Sai Kan, SANYO have developed a smaller version. Not only stylish, it offers exceptional energy-saving performance: COP up to 4.31.

- Cooling and heating down to -15°C
- The LED photocatalytic sterilisation function ensures excellent performance to combat odours, germs and bacteria
- Automatic sweep control
- Apatite ceramic filter
- Multifunctional remote control with built-in temperature sensor
- Simple elegant design with panels available in 4 colour choice options.
- Clock with ON/OFF program timer
- Washable front panel
- Low noise levels: 22 dB(A) (quiet mode)
- Night set back/economy mode function ensures quiet and energy-saving cooling and heating



Outdoor unit



Remote



## Retractable panel

During operation, the front panel of the air conditioning unit opens to guarantee the optimal distribution of air across the entire surface of the heat exchanger. This improves the uniformity of the airflow, as well as functional efficiency and operational noise levels. When the air conditioner is shut off, the panel automatically returns to the closed position, protecting the unit from dust.



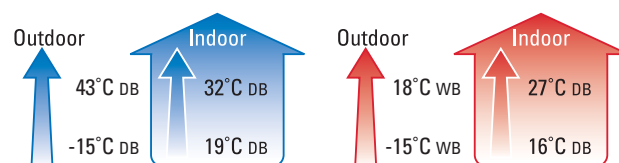
## Negative ions generator

The negative ions generator fills and revitalises your room with healthy negative ions throughout the year. Negative ions help clean the air of pollutants and are beneficial to health.





## Multi-function Remote Control



		INVERTER HEAT PUMP			
		Model 96		Model 126	
Performance		Cooling	Heating	Cooling	Heating
Capacity	kW	2.65 (0.9-3.6)	3.60 (0.9-4.9)	3.50 (0.9-3.6)	4.8 (0.9--5.9)
Power input	W	250-650-1040	250-650-1400	250-1090-1200	250-1165-1600
EER/COP		4.21	4.31	3.41	3.81
Energy class		A	A	A	A
Running current	A	3.3 (1.3-5.4)	4.0 (1.2-6.8)	4.8 (1.2-5.6)	5.8 (1.1-7.3)
Annual energy consumption (cooling)	kW	315	-	512.5	-
Power supply	V,ph,Hz	230, 1+N, 50 outdoor unit			
Indoor Unit		SAP-KRV96EHDS		SAP-KRV126EHDS	
Air circulation	(H) m <sup>3</sup> /h	480	480	500	500
Moisture removal	Litres/h	1.6	-	2.0	-
Sound power level	(H) dB(A)	56	56	57	57
Sound pressure level	(Quiet/L/M/H) dB(A)	22/28/35/41	22/28/35/41	22/28/35/42	22/29/36/42
Dimensions	(HxWxD) mm	265x789x180		265x789x180	
Net weight	kg	9.5		9.5	
Outdoor Unit		SAP-CRV96EHDS		SAP-CRV126EHDS	
Sound power level	(H) dB(A)	63	64	65	66
Sound pressure level	(H) dB(A)	45	46	47	48
Dimensions	(HxWxD) mm	565x790x265		565x790x265	
Net weight	kg	36		36	
Installation Data		Model 96		Model 126	
Pipe size function/discharge	Inches	1/4, 3/8		1/4, 3/8	
Max piping length	m	15		15	
Max elevation difference - O.U. - I.U.	m	7		7	
Chargeless piping length	m	7.5		7.5	
Amount of additional refrigerant	AMP	15		15	

# KRV Type Inverter - wall mounted unit (6 Series)

## R410A

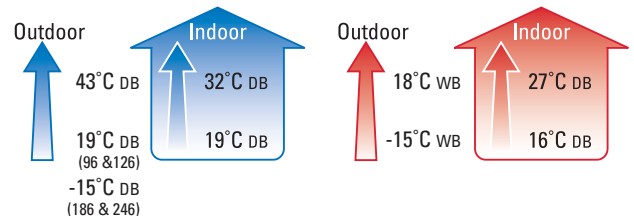
## INVERTER Air Conditioner

SAP-KRV96EH SAP-KRV126EH SAP-KRV186EH SAP-KRV246EH

**Ideal solution when you need quiet, energy-efficient and controllable room air conditioning.**

- New stylish appearance and compact flat panel design
- Cooling and heating operation down to -15°C (size 186 & 246)
- DC inverter technology for precise temperature control
- Auto restart after power failure and auto changeover
- Powerful start function for rapid cooling/heating
- Washable and reusable air clean apatite filter
- Infrared remote control with 24 hour clock with ON/OFF program time
- Sleek multifunctional wireless remote control with built-in temperature control

**NEW**



INVERTER HEAT PUMP									
		size 96		size 126		size 186		size 246	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	0.9-2.5-3.2	0.9-3.3-4.3	0.9-3.3-3.8	0.9-4.0-5.0	1.2-5.15-5.5	1.3-6.0-6.4	1.2-7.1-8.0	1.3-8.5-9.5
Power input	W	250-775-1150	250-915-1360	250-1025-1300	250-1105-1470	250-1500-1800	270-1575-1930	280-2355-2845	290-2490-3150
EER/COP	W/W	3.23	3.61	3.22	3.62	3.43	3.81	3.01	3.41
Energy class		A	A	A	A	A	A	B	B
Running amperes	A	1.26-3.92-5.81	1.21-4.42-6.57	1.14-4.69-5.95	1.14-5.06-6.73	1.20-6.90-8.40	1.30-7.20-9.00	1.20-10.50-13.60	1.30-11.00-15.10
Annual energy consumption (cooling) kWh		387.5		512.5		750		1177.5	
Power supply	V,ph,Hz	230, 1+N, 50 outdoor unit				230, 1+N, 50 outdoor unit			
Indoor Unit		SAP-KRV96EH		SAP-KRV126EH		SAP-KRV186EH		SAP-KRV246EH	
Air circulation (H)	m <sup>3</sup> /h	390	460	530	580	930	980	1130	1180
Moister removal	Litres/h	1.4	-	1.8	-	2.3	-	2.3	-
Sound power level (H)	dB(A)	59	59	61	61	59	58	64	63
Sound pressure level (Quiet/L/M/H)	dB(A)	22/30/35/38	22/30/35/38	25/30/36/40	25/30/36/40	28/34/38/42	28/34/38/41	30/41/44/47	30/40/43/46
Dimensions (HxWxD)	mm	285x825x213		285x825x213		298x1065x234		298x1065x234	
Net weight	kg	9.0		9.0		12.0		12.0	
Outdoor Unit		SAP-CRV96EH		SAP-CRV126EH		SAP-CRV186EH		SAP-CRV246EH	
Sound power level (H)	dB(A)	63	63	64	64	71	72	73	74
Sound pressure level (H)	dB(A)	47	47	48	48	51	52	55	56
Dimensions (H/W/D)	mm	548x720x265		548x720x265		670x880x285		740x900x320	
Net weight	kg	30		32		44		59	
Refrigerant circuit		size 96		size 126		size 186		size 246	
Tube diameter narrow/wide	mm(in)	6.35(1/4) / 9.52(3/8)		6.35(1/4) / 9.52(3/8)		6.35(1/4) / 12.7(1/2)		6.35(1/4) / 15.88(5/8)	
Max piping length	m	15		15		30		30	
Max elevation difference O.U.- I.U.	m	7		7		15		15	
Chargeless piping length	m	7.5		7.5		10		10	
Amount of additional refrigerant	g/m	15		15		25		25	

Specifications subject to change without notice

# XRV Type Inverter - 4 way cassette (6 Series)

**R410A**

**INVERTER**  
Air Conditioner

SAP-XRV96EH SAP-XRV126EH SAP-XRV186EH

The X type DC inverter-driven cassette is ultra compact to fit perfectly into standard 600 x 600mm ceiling grid and is ideal for small commercial and retrofit projects.

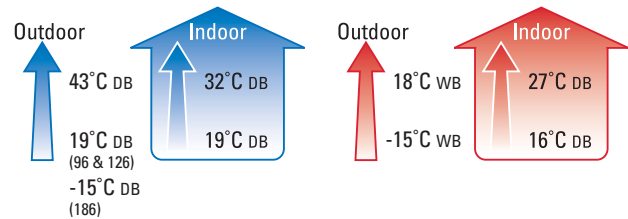
- Light and compact design making it quick and easy to install
- DC inverter technology for precise temperature control
- Auto restart after power failure and auto changeover
- Auto air sweep control provides uniform air flow in the room
- Powerful start function for rapid cooling/heating
- Automatic cooling/ heating control maintains the desired temperature
- Cooling and heating up to -15°C (Model 186)
- Condensate elimination pump with pressure head up to 250mm
- Multifunctional remote control with integrated temperature sensor
- Clock with ON/OFF program timer
- Washable filter avoids formation of mould and bacteria
- Removable and washable panel with a modern design
- Night Set back/economy mode function ensuring energy-saving in cooling and heating

**NEW**



Remote

Outdoor unit



		INVERTER HEAT PUMP					
		size 96		size 126		size 186	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	Kw	0.9-2.6-3.2	0.9-3.2-4.5	0.9-3.3-3.8	0.9-4.5-5.8	1.2-5.15-5.3	1.3-6.0-6.4
Power input	W	250-810-1180	250-930-1545	250-980-1325	250-1240-1720	250-1600-1830	270-1650-1960
EER/COP	W/W	3.21	3.76	3.37	3.63	3.22	3.64
Energy class		A	A	A	A	A	A
Running amperes	A	1.2-4.0-6.0	1.2-4.5-6.6	1.2-4.6-6.3	1.2-5.7-7.3	1.2-7.2-8.6	1.3-7.4-9.2
Annual energy consumption (cooling) kWh		405		490		800	
Power supply	V,ph,Hz	230, 1+N, 50 outdoor unit					
Indoor Unit		SAP-XRV96EH		SAP-XRV126EH		SAP-XRV186EH	
Air-circulation (H)	m <sup>3</sup> /h	500/600/700		500/600/700		580/660/790	
Moister removal	Litres/h	1.5	-	1.8	-	2.0	-
Sound power level (H)	dB(A)	53		53		54	
Sound pressure level (L/M/H)	dB(A)	37/40/44		37/40/44		37/40/45	
Dimensions (HxWxD) Unit	mm	296x575x575		296x575x575		296x575x575	
Dimensions (HxWxD) Panel	mm	64x730x730		64x730x730		64x730x730	
Net weight Unit	kg	16.5		16.5		16.5	
Net weight Panel	kg	2.5		2.5		2.5	
Outdoor Unit		SAP-CRV96EH		SAP-CRV126EH		SAP-CRV186EH	
Sound power level (H)	dB(A)	63	63	64	64	71	72
Sound pressure level (H)	dB(A)	47	47	48	48	51	52
Dimensions (H/W/D)	mm	548x720x265		548x720x265		670x880x285	
Net weight	kg	30		32		44	
Refrigerant circuit		size 96		size 126		size 186	
Tube diameter narrow/mide	mm(in)	6.35 (1/4) / 9.52 (3/8)		6.35 (1/4) / 9.52 (3/8)		6.35 (1/4) / 12.7 (1/2)	
Length	m	15		15		30	
Max elevation difference O.U. - I.U.	m	7		7		15	
Chargeless piping length	m	7.5		7.5		10	
Amount of additional refrigerant	g/m	15		15		25	

Specifications subject to change without notice

# F/FT Type Inverter - floor & ceiling mounted units (6 Series)

## R410A

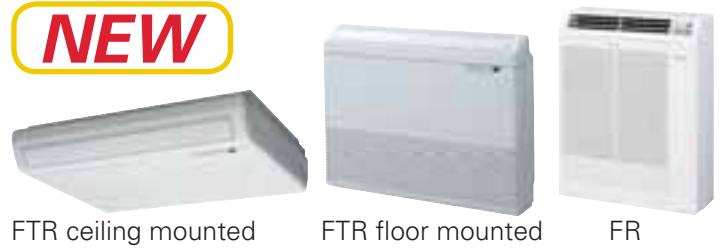
## INVERTER Air Conditioner

SAP-FRV96EH SAP-FTRV126EH SAP-FTRV186EH SAP-FTRV246EH

The new floor & ceiling mounted units are flexible and effective alternative to wall-mounted units.

- DC inverter technology for precise temperature control
- Air flow optimised for heating
- Powerful and lightweight compact design
- Auto restart after power failure and auto changeover
- Automatic air flow control
- Automatic cooling/ heating control maintains the desired temperature
- Cooling and heating up to -15°C (Models 186 and 246)
- Multifunctional remote control with integrated temperature sensor
- Clock with ON/OFF program timer
- Washable filter avoids formation of mould and bacteria
- Washable front panel
- Night Set back/economy mode function ensuring energy-saving in cooling and heating

**NEW**



FTR ceiling mounted

FTR floor mounted

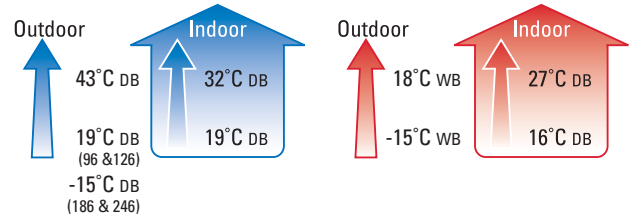
FR



Remote



Outdoor unit



INVERTER HEAT PUMP															
	size 96		size 126		size 186		size 246								
Performance	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Heating						
Capacity	kW 0.9-2.5-3.2		0.9-3.2-4.5		0.9-3.3-3.8		0.9-4.0-5.0		1.2-5.15-5.5	1.3-6.0-6.4	1.2-7.1-8.0	1.3-8.5-9.5			
Power input	W 250-700-1140		250-930-1510		250-1025-1300		250-1105-1470		250-1500-1800		270-1575-1930		280-2355-2845	290-2490-3150	
EER/COP	W/W 3.64		3.44		3.22		3.62		3.43		3.81		3.01	3.41	
Energy class	A		A		A		A		A		A		B	B	
Running amperes	A 1.2-3.2-5.8		1.2-4.5-6.5		1.14-4.69-5.95		1.14-5.06-6.73		1.20-6.90-8.40		1.30-7.20-9.00		1.20-10.50-13.60		1.30-11.00-15.10
Annual energy consumption (cooling) kWh	350		512.5		750		1177.5								
Power supply	V,ph,Hz 230, 1+N, 50 outdoor unit														
Indoor Unit	SAP-FRV96EH		SAP-FTRV126EH		SAP-FTRV186EH		SAP-FTRV246EH								
Air circulation (H)	m <sup>3</sup> /h 320/390/425		500/590/700		515/615/720		650/800/900								
Moister removal	Litres/h 1.5		-		1.8		-		2.0		-				
Sound power level (H)	dB(A) 51		51		55		55		56		56		58	58	
Sound pressure level (L/M/H)	dB(A) 34/40/43		38/43/47		39/44/48		44/47/50								
Dimensions (HxWxD)	mm 700x720x265		680x900x190		680x900x190		680x900x190								
Net weight	kg 18.6		23.5		23.5		23.5								
Outdoor Unit	SAP-CRV96EH		SAP-CRV126EH		SAP-CRV186EH		SAP-CRV246EH								
Sound power level (H)	dB(A) 63		63		64		64		71		72		73	74	
Sound pressure level (H)	dB(A) 47		47		48		48		51		52		55	56	
Dimensions (H/W/D)	mm 548x720x265		548x720x265		670x880x285		740x900x320								
Net weight	kg 30		32		44		59								
Refrigerant circuit	size 96		size 126		size 186		size 246								
Tube diameter narrow/wide	mm(in) 6.35(1/4) / 9.52(3/8)		6.35(1/4) / 9.52(3/8)		6.35(1/4) / 12.7(1/2)		6.35(1/4) / 15.88(5/8)								
Max piping length	m 15		15		30		30								
Max elevation difference O.U.- I.U.	m 7		7		15		15								
Chargeless piping length	m 7.5		7.5		10		10								
Amount of additional refrigerant	g/m 15		15		25		25								

Specifications subject to change without notice

# URV Type Inverter - concealed duct (6 Series)

## R410A

## INVERTER Air Conditioner

SAP-URV96EH SAP-URV126EH SAP-URV186EH SAP-URV246EH

**Top performance ducted units providing flexible air-conditioning together with low noise levels. Ideal for flexible, concealed air conditioning for all types of air conditioning applications.**

- The integrated unit has a height of 266mm to fit standard architectural scheme
- Using the supplementary cable it is possible to increase the static pressure to satisfy any duct-related requirement
- DC inverter technology for precise temperature control
- Light and compact design
- Auto restart after power failure and auto changeover
- Powerful start function for rapid cooling/heating
- Automatic cooling/ heating control maintains the desired temperature
- External electrical panel for rapid cable attachments and simple maintenance
- Cooling and heating up to -15°C (Models 186)
- Condensate elimination pump with pressure head up to 250mm
- Multifunctional remote control with integrated temperature sensor
- Clock with ON/OFF program timer

**NEW**

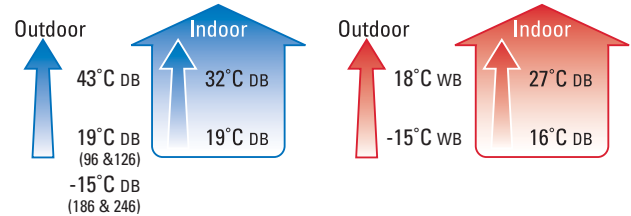


Remote



Outdoor unit

- The included air filter is easily accessible from the lower part of the unit
- Night Set back/economy mode function ensuring energy-saving in cooling and heating



INVERTER HEAT PUMP									
	size 96		size 126		size 186		size 246		
Performance	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Capacity	0.9-2.6-3.2		0.9-3.5-4.8		0.9-4.5-5.8		1.2-5.4-5.5		1.3-8.5-9.5
Power input	250-750-1230		250-920-1590		250-1010-1375		250-1245-1765		290-2640-3160
EER/COP	3.47		3.8		3.47		3.61		3.22
Energy class	A		A		A		A		C
Running amperes	3.5		4.2		4.6		5.7		12
Annual energy consumption (cooling) kWh	375		505		825		1185		
Power supply	230, 1+N, 50 outdoor unit								
Indoor Unit	SAP-URV96EH		SAP-URV126EH		SAP-URV186EH		SAP-URV246EH		
Air-circulation (H)	470/560/620		470/560/620		455/645/865		530/760/985		
Moister removal	1.5		-		1.8		-		
External static pressure (std/booster) Pa	49/69		49/69		49/69		49/69		
Sound power level (H)	56		56		56		59		
Sound pressure level (L/M/H)	40/43/45		40/43/45		33/38/45		37/40/48		
Dimensions (HxWxD)	266x852x571		266x852x571		266x1058x571		266x1058x571		
Net weight	30		30		35		35		
Outdoor Unit	SAP-CRV96EH		SAP-CRV126EH		SAP-CRV186EH		SAP-CRV246EH		
Sound power level (H)	63		64		71		74		
Sound pressure level (L/M/H)	47		48		51		56		
Dimensions (HxWxD)	548x720x265		548x720x265		670x880x285		740x900x320		
Net weight	30		32		44		59		
Refrigerant circuit	size 96		size 126		size 186		size 246		
Tube diameter narrow/mide	6.35(1/4) / 9.52(3/8)		6.35(1/4) / 9.52(3/8)		6.35(1/4) / 12.7(1/2)		6.35(1/4) / 15.88(5/8)		
Max piping length	15		15		30		30		
Max elevation difference O.U. - I.U.	7		7		15		15		
Chargeless piping length	7.5		7.5		10		10		
Amount of additional refrigerant	15		15		25		25		

Specifications subject to change without notice

Rating Conditions: Cooling Indoor 27°C DB 19°C WB Outdoor 35°C DB 24°C WB Heating Indoor 20°C DB Outdoor 7°C DB 6°C WB

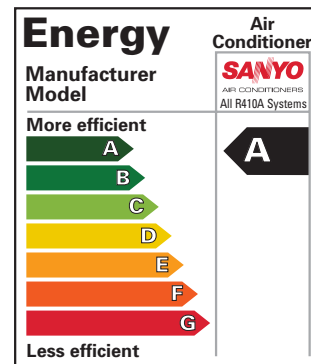
SAP-CRV...EH SAP-CRV...EHDS SAP-CRV...EHDX SAP-CRV...EHAX SAP-CRV...EHFP



The Room Air Conditioners outdoor units utilise the latest SANYO twin rotary compressor, in which perfectly balanced dual rotors revolve smoothly and efficiently to provide powerful, quiet and vibration-free performance.

### High energy-efficiency

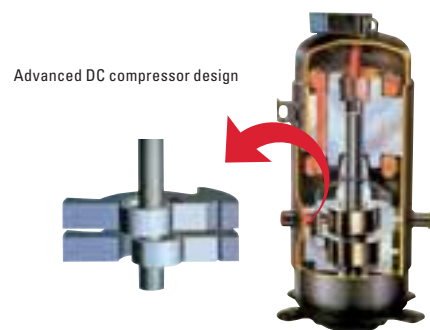
SANYO conforms to the 2002/31/EC Directive - 92/75/EEC "Energy Labelling Directive (ELD)", which became legislation in June 2004 on all air conditioning products up to 12kW cooling capacity. The DC inverter technology helps us to achieve the "A" class, the highest level of energy-efficiency, as clearly indicated on the standard labelling system.



\*except CRV244EH and CRV246EH

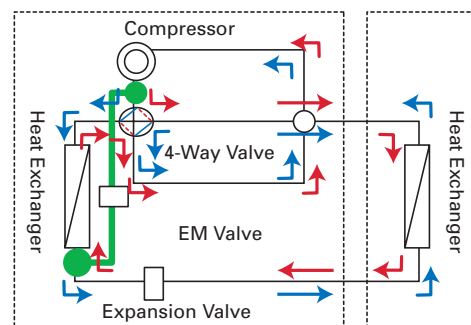
### Rapid and accurate temperature control

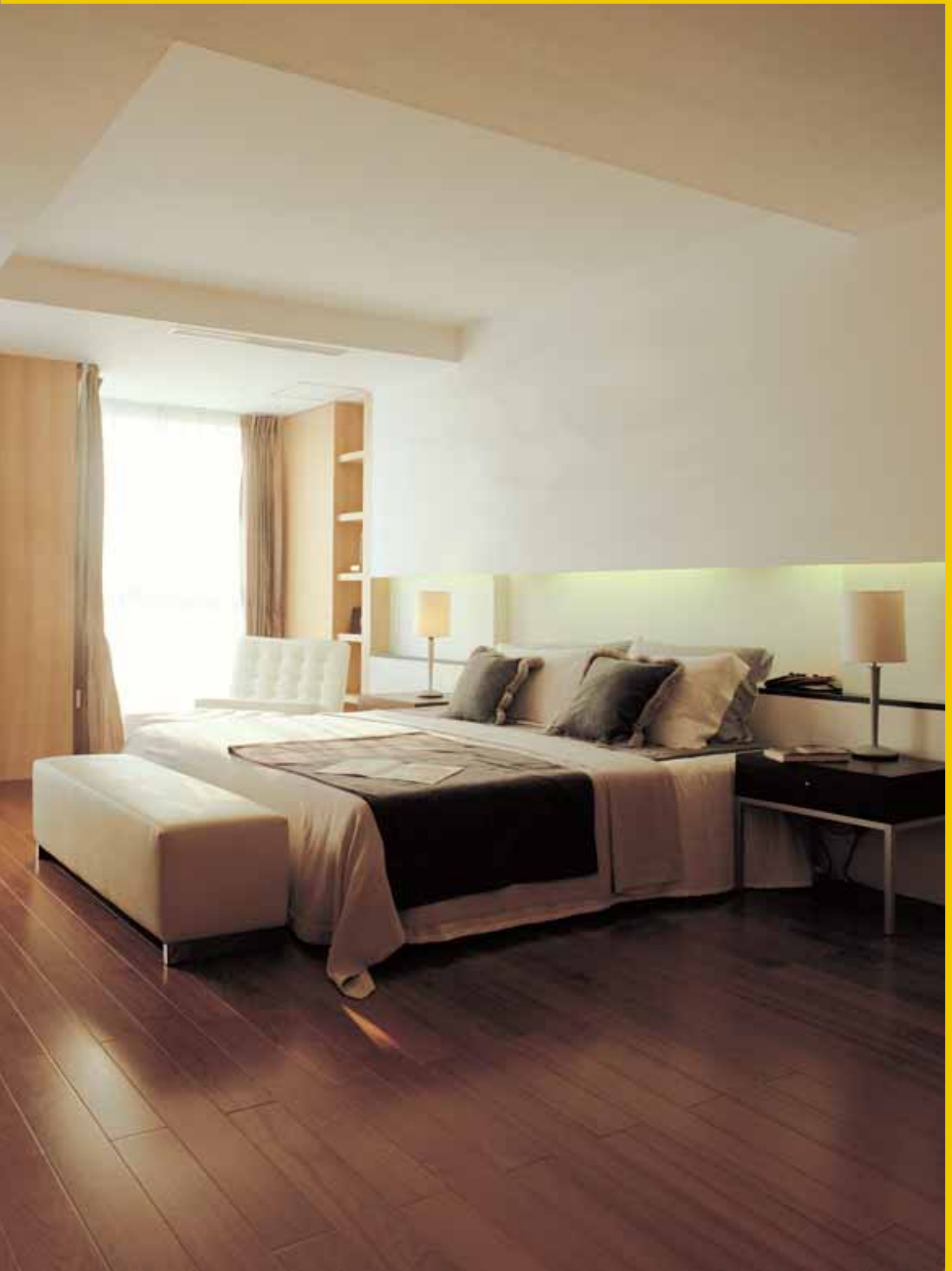
The Room Air Conditioner Systems use Advanced Digital Hybrid (ADH) technology for better, smarter and more cost efficient year round climate control. Immediately following start-up, the DC compressor operates at maximum power to provide almost instant heating or cooling. As the desired air temperature is reached, a special Pulse Width Module automatically adjusts the compressor's frequency to exactly meet the cooling or heating requirements of the room. The result is exceptionally precise temperature control, less noise and significant energy savings.



### Special defrost operation

SANYO's hot-gas defrost valve avoids uncomfortable conditions during defrosting functions, ensuring continuous operation even in very low ambient temperatures. Comfortable room conditions are maintained while the decline of indoor air temperature is kept to a minimum. (Shiki Sai Kan and Mini Shiki Sai Kan only)





# KR Type Constant Speed - wall mounted unit (7 Series)

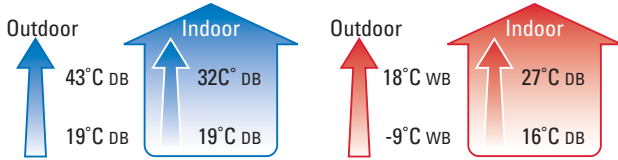
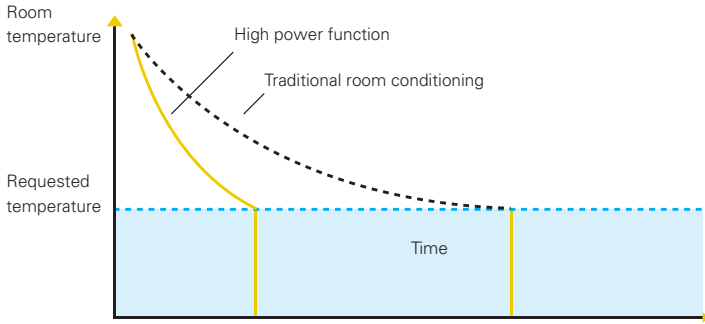
# R410A

SAP-KR97EHAX SAP-KR127EHAX

SANYO's new 7 Series K type unit is stylish, with a sleek and discrete design that fits perfectly in any interior.

- Lightweight and compact
- Improved efficiency
- LED sterilisation function
- High power function
- Cold draft prevention in heating mode
- Built-in temperature sensor remote controller
- Economy mode (night set back)

## High power key



**NEW**

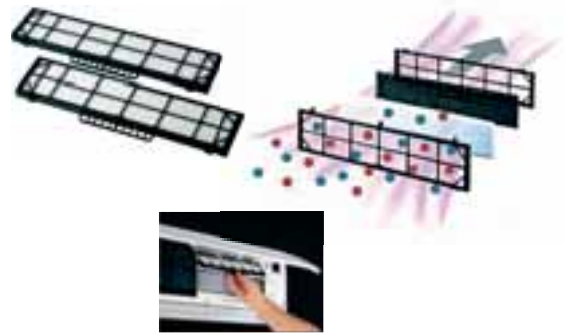


Remote



Outdoor unit

## Double layer filter



		CONSTANT SPEED HEAT PUMP			
		size 97		size 127	
Performance		Cooling	Heating	Cooling	Heating
Capacity	kW	2.8	2.8	3.3	3.6
Power input	W	870	775	1,025	995
EER/COP	W/W	3.22	3.61	3.22	3.62
Energy class	-	A	A	A	A
Running amperes	A	3.9	3.5	4.6	4.5
Annual energy consumption (cooling)	kWh	435	-	512.5	-
Indoor Unit		SAP-KR97EHAX		SAP-KR127EHAX	
Air circulation	(H) m <sup>3</sup> /h	600	600	620	640
Moisture removal	Litres/h	1.8	-	2.0	-
Sound power level	(H) dB(A)	56	56	57	57
Sound pressure level	(Quiet/L/M/H) dB(A)	25/31/34/39	25/31/34/39	26/32/35/40	26/32/35/40
Dimensions	(HxWxD) mm	250×799×205		250×799×205	
Net weight	kg	7.5		7.5	
Power supply	V,ph,Hz	230,1+N,50			
Outdoor Unit		SAP-CR97EHAX		SAP-CR127EHAX	
Sound power level	(H) dB(A)	65	65	67	67
Sound pressure level	(H) dB(A)	48	48	50	50
Dimensions	(H/W/D) mm	510×660×240		598×660×240	
Net weight	kg	24		31	
Power supply	V,ph,Hz	230,1+N,50			
Refrigerant circuit		size 97		size 127	
Tube diameter narrow/wide	Inches	1/4, 3/8		1/4, 3/8	
Max piping length	m	15		15	
Max elevation difference O.U. - I.U.	m	7		7	
Chargeless piping length	m	7.5		7.5	
Amount of additional refrigerant	g/m	20		20	

# KR Type Constant Speed - wall mounted unit (4 Series)

# R410A

SAP-KR74EH SAP-KR94EH SAP-KR124EH SAP-KR184EH SAP-KR224EH

**SANYO's online fixed-speed range provides outstanding performance and offers a low-cost alternative to inverter technology.**

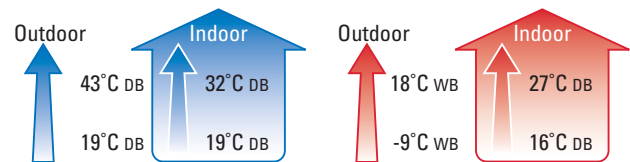
- Lightweight and compact design for easy installation
- Auto restart after power failure
- Multifunctional wireless remote control with built-in temperature sensor with ON/OFF program timer
- Cold draft prevention
- Quiet mode from 21 dB(A)
- Automatic Cooling and heating changeover
- Ion generator refreshes your room with negative ions (184 & 224)
- Night set back/economy mode function ensures gentle and energy-saving cooling and heating



Remote



Outdoor unit



		CONSTANT SPEED HEAT PUMP									
		size 74		size 94		size 124		size 184		size 224	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.2	2.5	2.65	3.0	3.5	4.0	5.15	5.7	6.4	7.2
Power input	W	685	690	825	830	1090	1105	1600	1580	2275	2240
COP	W/W	3.21	3.62	3.21	3.61	3.21	3.62	3.22	3.61	2.81	3.21
Energy class	-	A	A	A	A	A	A	A	A	C	C
Running amperes 1ph/3ph	A	3.1	3.1	3.7	3.8	4.9	5.0	7.1/3.2	7.0/3.2	10.0/4.4	9.8/4.4
Annual energy consumption (cooling)	kWh	342.5	-	412.5	-	545	-	800	-	1137.5	-
Indoor Unit		SAP-KR74EH		SAP-KR94EH		SAP-KR124EH		SAP-KR184EH		SAP-KR224EH	
Air circulation (H)	m <sup>3</sup> /h	430	450	480	500	500	530	890	890	980	980
Moisture removal	Litres/h	1.3	-	1.8	-	2.0	-	2.3	-	3.3	3.3
Sound power level (H)	dB(A)	54	53	56	55	59	58	60	59	62	63
Sound pressure level (Quiet/L/M/H)	dB(A)	25/28/32/36	24/27/31/35	25/28/33/38	24/27/32/37	25/28/34/41	24/27/33/40	32/35/39/42	32/34/38/41	32/36/40/44	32/37/41/45
Dimensions (HxWxD)	mm	285x825x189		285x825x189		285x825x189		298x1065x218		298x1065x218	
Net weight	kg	10		10		10		12		12	
Power supply	V,ph,Hz					230, 1+N, 50					
Outdoor Unit		SAP-CR74EH		SAP-CR94EH		SAP-CR124EH		SAP-CR184EH/DH		SAP-CR224EH/DH	
Sound power level (H)	dB(A)	64	65	65	66	67	68	73	74	75	76
Sound pressure level (H/L)	dB(A)	46	47	47	48	49	50	55	56	57	58
Dimensions (H/W/D)	mm	548x720x265		548x720x265		565x790x285		670x880x285		670x880x285	
Net weight	kg	29		35		37		48		56	
Power supply	V,ph,Hz					230, 1+N, 50		230, 1+N, 50/400, 3+N, 50		230, 1+N, 50/400, 3+N, 50	
Installation Data		size 74		size 94		size 124		size 184		size 224	
Tube diameter narrow/wide	Inches	1/4, 3/8		1/4, 3/8		1/4, 3/8		1/4, 1/2		1/4, 5/8	
Max piping length	m	15		15		15		30		30	
Max elevation difference O.U. - I.U.	m	7		7		7		7		7	
Chargeless piping length	m	7.5		7.5		7.5		7.5		10	
Amount of additional refrigerant	g/m	15		15		15		25		25	

# XR Type Constant Speed - 4 way cassette

# R410A

SAP-XR94EH SAP-XR124EH SAP-XR184EH

The X type online cassette is designed to fit into a standard 600 x 600mm ceiling grid and is ideal for small commercial and retrofit applications.

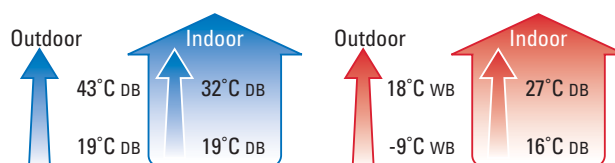
- Lightweight and compact design for easy installation
- Auto restart after power failure and auto changeover
- Cold draft prevention
- Infrared remote control with 24 hour clock with ON/OFF program timer
- Multi-directional airflow provides uniform airflow throughout the room
- Built-in drain pump gives 250mm lift
- Auto air sweep control provides uniform air flow in the room
- The modern-style panel can be removed and washed
- Night set back/economy mode function ensures gentle and energy-saving cooling and heating



Remote



Outdoor unit



		CONSTANT SPEED HEAT PUMP					
		size 94		size 124		size 184	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.87	3.10	3.65	4.52	5.15	5.70
Power input	W	875	775	1075	1055	1600	1580
EER/COP		3.28	4.00	3.40	4.28	3.21	3.61
Energy class		A	A	A	A	A	A
Total	kW	2.55	2.57	3.37	3.75	4.96	4.73
Sensible	kW	2.1	-	2.51	-	3.74	-
Running current	A	3.7	3.8	4.9	5.0	7.1	7.0
Indoor Unit		SAP-XR94EH		SAP-XR124EH		SAP-XR184EH	
Air circulation	(H) m <sup>3</sup> /h	700		700		750	
Moisture removal	Litres/h	0.5	-	1.0	-	2.3	-
Sound pressure level	(H/M/L) dB(A)	43/39/36	43/39/36	43/39/36	43/39/36	45/40/37	45/40/37
Dimensions - Unit	(HxWxD) mm	296x575x575		296x575x575		296x575x575	
Dimensions - Panel	(HxWxD) mm	64x730x730		64x730x730		64x730x730	
Net weight - unit	kg	16.5		16.5		16.5	
Net weight - panel	kg	2.5		2.5		2.5	
Power supply		220-240V/1ø 50Hz					
Outdoor Unit		SAP-CR94EH(A)		SAP-CR124EH(A)		SAP-CR184EH(A)	
Sound power level	(H) dB(A)	65	66	67	68	73	74
Sound pressure level	(H) dB(A)	47	48	49	50	55	56
Dimensions	(HxWxD) mm	548x720x265		565x790x285		670x880x285	
Net weight	kg	35		37		48	
Power supply		220-240V/1ø 50Hz					
Installation Data		size 94		size 124		size 184	
Pipe size suction/discharge	Inches	1/4, 3/8		1/4, 3/8		1/4, 1/2	
Max piping length	m	15		15		30	
Precharged piping length	m	7.5		7.5		7.5	
Amount of additional refrigerant	g/m	15		15		25	
Max elevation difference O.U. - I.U.	m	7		7		7	
Recommended fuse size	AMP	10		10		16	
Communication cables		4 Core + Earth		4 Core + Earth		6 Core + Earth	
Power supply to		Indoor unit		Indoor unit		Indoor unit	

# F/FT Type Constant Speed - wall & ceiling mounted units

# R410A

SAP-FR94EH SAP-FTR124EH SAP-FTR184EH SAP-FTR224EH

**SANYO's online fixed-speed FTR range of console units can be mounted on the ceiling or the floor to provide a flexible solution to difficult installation situations.**

- Auto restart after power failure and auto changeover
- Cold draft prevention in heating mode
- Lightweight and compact designs
- Infrared remote control with 24 hour clock with ON/OFF program timer
- Automatic louvre control provides uniform airflow throughout the room
- Easy to clean filter prevents mould or bacteria from occurring
- Night set back/economy mode function ensures gentle and energy-saving cooling



FTR ceiling mounted

FTR floor mounted

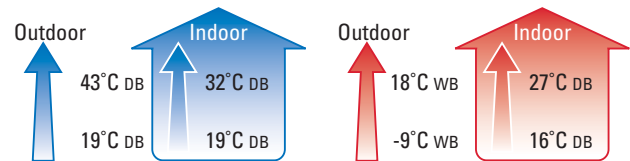
FR



Remote



Outdoor unit



		CONSTANT SPEED HEAT PUMP							
		size 94		size 124		size 184		size 224	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.65	3.20	3.60	4.35	5.15	5.70	6.40	7.20
Power input	W	825	810	1055	1045	1600	1580	2275	2240
EER/COP		3.21	3.95	3.41	4.16	3.22	3.61	2.81	3.21
Energy class		A	A	A	A	A	A	C	C
Total	kW	2.55	2.62	3.37	3.57	4.96	4.67	6.16	5.90
Sensible	kW	1.8	-	2.77	-	3.61	-	4.13	-
Running current	A	3.7	3.8	4.9	5.0	7.1	7.0	10.0	9.8
Indoor Unit		SAP-FR94EH		SAP-FTR124EH		SAP-FTR184EH		SAP-FTR224EH	
Air circulation	(H) m <sup>3</sup> /h	400		700		800		840	
Moisture removal	Litres/h	1.0	-	1.3	-	2.0	-	2.2	-
Sound pressure level	(L/M/H) dB(A)	34/40/43		38/43/47		39/44/48		44/47/50	
Dimensions	(HxWxD) mm	700x560x200		680x900x190		680x900x190		680x900x190	
Net weight	kg	18.6		23.5		23.5		23.5	
Power supply	V,ph,Hz	220-240V/1ø 50Hz							
Outdoor Unit		SAP-CR94EH(A)		SAP-CR124EH(A)		SAP-CR184EH(A)		SAP-CR224EH(A)	
Sound power level	(H) dB(A)	65	66	67	68	73	74	75	76
Sound pressure level	(H) dB(A)	47	48	49	50	55	56	57	58
Dimensions	(HxWxD) mm	548x720x265		565x790x285		670x880x285		670x880x285	
Net weight	kg	35		37		48		56	
Power supply	V,ph,Hz	220-240V/1ø 50Hz							
Installation Data		size 94		size 124		size 184		size 224	
Pipe size suction/discharge	Inches	1/4, 3/8		1/4, 3/8		1/4, 1/2		1/4, 5/8	
Max piping length	m	15		15		30		30	
Precharged piping length	m	7.5		7.5		7.5		10	
Amount of additional refrigerant	g/m	15		15		25		25	
Max elevation difference O.U. - I.U.	m	7		7		7		7	
Recommended fuse size	AMP	10		10		16		16	
Communication cables		4 Core + Earth		4 Core + Earth		6 Core + Earth		6 Core + Earth	
Power supply to		Indoor unit		Indoor unit		Indoor unit		Indoor unit	

# UR Type Constant Speed - concealed duct

# R410A

SAP-UR94EH SAP-UR124EH SAP-UR184EH SAP-UR224EH

The online UR ducted unit is ideal for flexible, concealed cooling and heating in all types or room air conditioning applications.

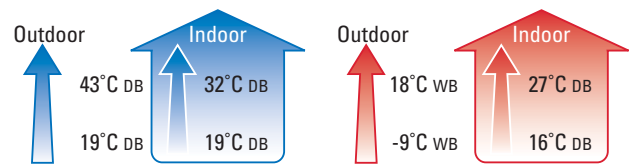
- Auto restart after power failure and auto change over
- Cold draft prevention
- Fresh air knockout
- Infrared remote control with 24 hour clock with ON/OFF program timer
- Built-in drain pump gives 250mm lift
- Booster cable available to increase static pressure
- Powerful start function for rapid cooling and heating
- External electrical box allows ease of access for service and maintenance
- Night set back and economy mode function ensures energy-saving cooling and heating



Remote



Outdoor unit



		CONSTANT SPEED HEAT PUMP							
		size 94		size 124		size 184		size 224	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.65	3.00	3.50	4.62	5.15	5.70	6.40	7.20
Power input	W	880	780	1130	1060	1600	1580	2275	2240
EER/COP		3.49	4.1	3.58	4.36	3.22	3.61	2.81	3.21
Energy class		A	A	A	A	A	A	C	C
Total	kW	2.55	2.95	3.37	3.52	4.96	5.04	6.84	5.31
Sensible	kW	2.16	-	2.67	-	3.97	-	5.1	-
Running current	A	3.7	3.8	4.9	5.0	7.1	7.0	10.0	9.8
Indoor Unit		SAP-UR94EH		SAP-UR124EH		SAP-UR184EH		SAP-UR224EH	
Air circulation	(H) m <sup>3</sup> /h	600		600		875		1000	
Moisture removal	Litres/h	0.8	-	1.5	-	1.8	-	2.6	-
External static pressure (std/booster)	Pa	49/69		49/69		49/69		49/69	
Sound pressure level (H/M/L)	dB(A)	45/43/40		45/38/33		48/40/37			
Dimensions (HxWxD)	mm	266x852x571				266x1058x571			
Net weight	kg	30				35			
Power supply		220-240V/1ø 50Hz							
Outdoor Unit		SAP-CR94EH(A)		SAP-CR124EH(A)		SAP-CR184EH(A)		SAP-CR224EH(A)	
Sound power level (H)	dB(A)	65	66	67	68	73	74	75	76
Sound pressure level (H)	dB(A)	47	48	49	50	55	56	57	58
Dimensions (HxWxD)	mm	548x720x265		565x790x285		670x880x285		670x880x285	
Net weight	kg	35		37		48		56	
Power supply		220-40V/1ø 50Hz							
Installation Data		size 94		size 124		size 184		size 224	
Pipe size suction/discharge	Inches	1/4, 3/8		1/4, 3/8		1/4, 1/2		1/4, 5/8	
Max piping length	m	15		15		30		30	
Precharged piping length	m	7.5		7.5		7.5		10	
Amount of additional refrigerant	g/m	15		15		25		25	
Max elevation difference O.U. - I.U.	m	7		7		7		7	
Recommended fuse size	AMP	10		10		16		16	
Communication cables	mm	4 Core + Earth		4 Core + Earth		6 Core + Earth		6 Core + Earth	
Power supply to		Indoor unit		Indoor unit		Indoor unit		Indoor unit	

# Flexi Multi DC Inverter Heat Pump Multi Split Systems

**R410A**

**INVERTER**  
Air Conditioner



## The flexible solution

The new SANYO Flexi Multi range of heat pump multi split systems are the ideal, flexible solution for providing quiet and efficient air conditioning to 2, 3 or 4 areas from a single outdoor unit.

- 5 system capacities 4.0kW to 8.0kW
- 6 indoor model styles
- 2, 3 or 4 way multi split
- DC inverter technology for precise temperature control and low start current
- Provides heating or cooling as required



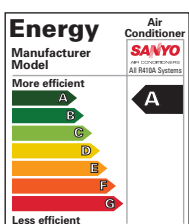
**R410A**

The Flexi Multi systems utilise the non-ozone-depleting R410A refrigerant. This means increased system performance, increased energy-efficiency and improved heat transfer, which results in smaller pipe sizes and more compact indoor units.

All Flexi Multi DC inverter models are rated as EEL Category A, which confirms that they are amongst the most energy-efficient systems available. Power consumption during operation is substantially less than that of lower rated units and consequently both the day to day running costs and full life cycle costs are significantly reduced.

## Simple, one touch control

- Full function remote controller
- Built-in temperature sensor
- Temperature setting
- Operational mode selection
- Fan speed control
- 24 hour ON/OFF timer
- 1 hour timer



# Flexi Multi DC Inverter Heat Pump 6 Series Multi Split Systems

## R410A

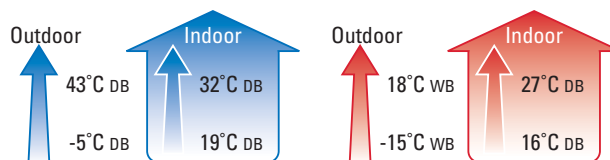
## INVERTER Air Conditioner

SAP-CMRV1426EH SAP-CMRV1926EH SAP-CMRV1936EH SAP-CMRV2446EH SAP-CMRV3146EH

**Design guaranteed for an extremely efficient and flexible operation.**

- 4 models with capacity from 4.0 to 8.0 kW
- DC inverter technology for precise temperature control and a low start-up current
- Twin rotary compressor: the dual rotors guarantee perfect balancing ensuring functional reliability and efficiency. This also contributes to increase comfort and accelerate cooling and heating as well as ensuring an extremely quiet and efficient operation.
- Energy class A/A for the whole range, both in cooling and heating modes
- Operating range decreased to -15°C in heating mode and -5°C in cooling mode
- The volume of the external unit has been decreased by 9%, solving the problem of limited space and does not encumber the exterior
- Non-stop heating by means of SANYO's exclusive hot gas by-pass system
- Renewable and washable apatite ceramic filter
- Photo-catalytic LED sterilization function ensures excellent performance in eliminating odours, germs and bacteria (only wall-mounted units)
- Night Set back/Economy modes to guarantee quiet and energy-efficient cooling and heating
- Programmable start-up and shut-off via 24 hour clock

**NEW**



HEAT-PUMP INVERTER																				
External units	SAP-CMRV1426EH		SAP-CMRV1926EH		SAP-CMRV1936EH		SAP-CMRV2446EH		SAP-CMRV3146EH											
	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating										
Capacity	2.0/4.0/5.0		2.2/4.5/5.5		2.1/5.6/6.8		2.4/7.3/8.4		2.9/5.2/6.5		3.4/6.8/7.8		2.9/6.8/8.1		3.4/8.6/9.0		2.9/8.0/9.2		3.4/9.4/9.8	
Power consumption	925		925		1695		1735		1530		1610		2000		2000		1730		2040	
EER/COP	4.32		4.86		3.3		4.21		3.40		4.22		3.4		4.3		4.62		4.61	
Energy class	A		A		A		A		A		A		A		A		A		A	
Current draw	4.1		4.1		7.52		7.7		6.88		7.7		8.87		8.87		7.58		8.96	
Annual consumption (cooling)	462.5		847.5		765		1000		865											
Max. number of units N.	2		3		4															
Sound pressure	-		-		46		46		46		49		48		49					
Noise level	-		-		-		-		-		-		-		-					
Pipe diameter - suction/discharge	2x6.4(1/4) 2x9.5(3/8)		2x6.4(1/4) 2x9.5(3/8)		2x6.4(1/4) 2x9.5(3/8)		4x6.4(1/4) 3x9.5(3/8) 12.7(1/2)		4x6.4(1/4) 2x9.5(3/8) 2x12.7(1/2)											
Maximum total pipe length	30		45		45		60		70											
Maximum pipe length per unit	20		25		25		25		30											
Max. elevation difference E.U - I.U	15		15		15		15		15											
Total pipe length - standard charge	30		45		45		45*		45**											
Dimensions (HxLxD)	569x790x285		740x900x320		740x900x320		740x900x320		890x900x320											
Net weight	42		65		65		65		82											
Power supply	V,ph,Hz		230, 1+N, 50		230, 1+N, 50		230, 1+N, 50		230, 1+N, 50											

Specifications subject to modification without notice.

\* For longer pipes, up to 60m add 20 g/m of refrigerant. \*\* For longer pipes, up to 70m add 20 g/m of refrigerant.

Reference conditions:

Annual energy consumption = consumption for 500 hours at nominal load.

\*For external temperatures < 7°C the heating capacity will be lower than the nominal capacity.

# Mini Shiki Sai Kan Flexi Multi - wall mounted unit

R410A

**INVERTER**  
Air Conditioner

SAP-KRV96EHDS SAP-KRV126EHDS

**SANYO's new Mini Shiki Sai Kan is stylish and elegant, making it the ideal air conditioning system for any room.**

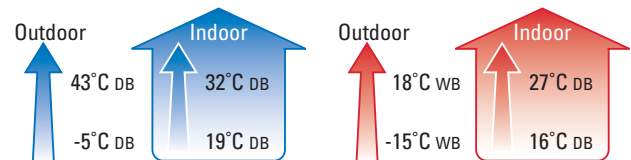
- Exceptional energy-saving performance
- Simple elegant design with panels available in 5 different colour options
- The LED photocatalytic sterilisation function ensures excellent performance to combat odours, germs and bacteria
- Automatic sweep control
- Apatite ceramic filter
- Clock with ON/OFF program timer
- Washable front panel
- Low noise levels: 22 dB(A) (quiet mode)
- Night set back/economy mode function ensures quiet and energy-saving cooling and heating
- Multifunctional wireless remote control with built-in temperature sensor



Remote



Outdoor unit



Wall mounted unit		SAP-KRV96EHDS	
Performance		Cooling	Heating
Capacity	kW	2.65	3.60
Air circulation	(H) m <sup>3</sup> /h	480	480
Moisture removal	Litres/h	1.6	-
Sound pressure level	(Quiet/L/M/H) dB(A)	22/28/35/41	22/28/35/41
Sound power level	(H) dB(A)	56	56
Tube diameter narrow/wide	Inches	1/4, 3/8	
Dimensions	(HxWxD) mm	265x789x180	
Net weight	kg	9.5	
Power supply	V,ph,Hz	230, 1+N, 50 to outdoor unit	

# K Type Flexi Multi - wall mounted unit

**R410A**

**INVERTER**  
Air Conditioner

SAP-KMRV76EH SAP-KMRV96EH SAP-KMRV126EH SAP-KRV186EH SAP-KRV246EH

The new 6 Series K Type wall mounted unit is the ideal solution when you need quiet energy-efficient and controllable room air conditioning.

- Designed for flush mounting against a wall
- 5 system capacities from 4.0kW up to 8.0kW
- DC-inverter technology for precise temperature control
- Auto swing louvres for optimum air distribution
- 3 fan speeds
- Quiet operations
- High power mode for rapid cooling or heating

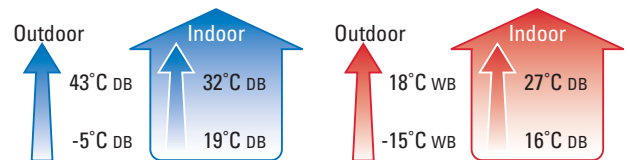
**NEW**



Remote



Outdoor unit



Indoor Units										
Model	7		9		12		18		24	
Performance	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity kW	2.20	2.50	2.65	3.60	3.50	4.20	5.15	6.00	7.10	8.50
<b>New</b> K type 6 Series	SAP-KMRV76EH		SAP-KMRV96EH		SAP-KMRV126EH		SAP-KRV186EH		SAP-KRV246EH	

Technical specification to be confirmed.

# XMR Type Flexi Multi - 4 way blow compact cassette

**R410A**

**INVERTER**  
Air Conditioner

SAP-XMRV96EH SAP- XMRV126EH SAP-XRV186EH

**Designed to fit exactly into a 600 x 600mm ceiling grid without the need to alter the bar configuration, the XMR is ideal for small commercial and retro fit applications.**

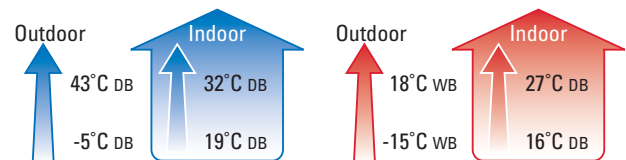
- Lightweight and compact design for easy installation
- Auto restart after power failure and auto changeover
- Designed to fit into standard 600 x 600mm ceiling grid
- Fresh air knock out
- Cold draft prevention in heating mode
- Multi directional airflow provides uniform airflow throughout the room
- Integrated drain pump gives 250mm lift
- Auto swing louvres for optimum air distribution
- Quiet operation
- Infrared remote control with 24 hour clock with ON/OFF program timer
- The modern-style panel can be removed and washed
- Night set back/economy mode function ensures gentle and energy-saving cooling and heating



Remote



Outdoor unit



Semi-concealed 4 way unit		SAP-XMRV96EH		SAP-XMRV126EH		SAP-XRV186EH	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating
Nominal capacity	kW	2.65	3.60	3.50	4.20	5.15	6.00
Air circulation	(H) m <sup>3</sup> /h	700		700		750	
Moisture removal	Litres/h	1.5	-	1.8	-	2.0	-
Sound pressure level	(L/M/H) dB(A)	36/39/43		36/39/43		37/40/45	
Sound power level	(H) dB(A)	52		52		54	
Tube diameter narrow/wide	Inches	1/4, 3/8		1/4, 3/8		1/4, 1/2	
Dimensions (HxWxD) - unit	mm	296x575x575		296x575x575		296x575x575	
Dimensions (HxWxD) - panel	mm	64x730x730		64x730x730		64x730x730	
Net weight - unit	kg	16.5		16.5		16.5	
Net weight - panel	kg	2.5		2.5		2.5	
Power supply	V, Ph,Hz	230, 1+N, 50 to outdoor unit					

# F/FT Type Flexi Multi - floor & ceiling mounted units

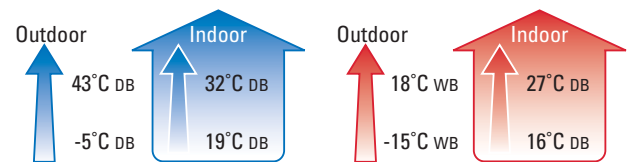
**R410A**

**INVERTER**  
Air Conditioner

SAP-FMRV96EH SAP-FTMRV126EH SAP-FTRV186EH SAP-FTRV246EH

**SANYO's FTR range of console units can be mounted on the ceiling or the floor to provide a flexible solution to difficult installation situations.**

- Flexible design allows floor or ceiling mounting without modification
- Auto restart after power failure and auto changeover
- Cold draft prevention in heating mode
- Large and wide air distribution
- Auto air sweep for optimum distribution
- 3 fan speeds
- Quiet operation
- Easy to clean filter prevents mould or bacteria from occurring
- Infrared remote control with 24 hour clock with ON/OFF program timer
- Night set back/economy mode function ensures gentle and energy-saving cooling
- Anti-mould and anti-bacteria washable filters
- Fresh air intake



Floor and Floor/Ceiling unit		SAP-FMRV96EH		SAP-FTMRV126EH		SAP-FTRV186EH		SAP-FTRV246EH	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Nominal capacity	kW	2.65	3.60	3.50	4.20	5.15	6.00	7.10	8.50
Air circulation	(H) m <sup>3</sup> /h	425		700		800		900	
Moisture removal	Litres/h	1.6	-	1.8	-	2.0	-	2.0	-
Sound pressure level	(L/M/H) dB(A)	37/40/44		35/40/44		39/44/48		44/47/50	
Sound power level	(H) dB(A)	51		55		59		61	
Tube diameter narrow/wide	Inches	1/4, 3/8		1/4, 3/8		1/4, 1/2		1/4, 5/8	
Dimensions	(HxWxD) mm	680x900x190		680x900x190		680x900x190		680x900x190	
Net weight	kg	18		23.5		23.5		23.5	
Power supply	V,ph,Hz	230, 1+N, 50 to outdoor unit							

SAP-UMRV96EH SAP-UMRV126EH SAP-URV186EH SAP-URV246EH

The UMR ducted unit is ideal for flexible, concealed cooling and heating in all types or room air conditioning applications.

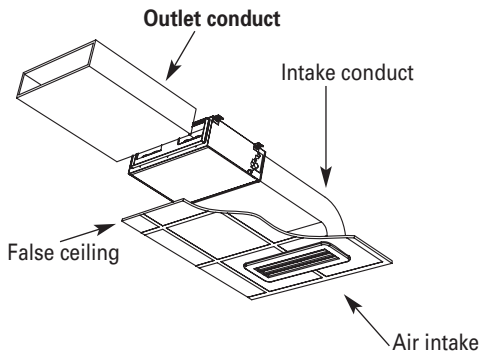
- Maximum depth 266mm
- Boost mode static pressure up to 70 pa
- Ideal for flexible, concealed air conditioning
- Infrared remote control
- Built-in drain pump gives 250mm lift
- 3 fan speeds
- High static pressure



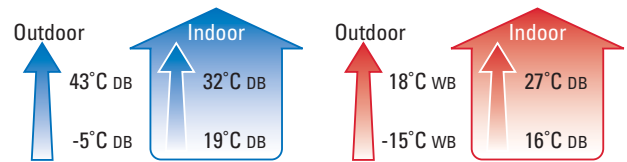
Remote



Outdoor unit



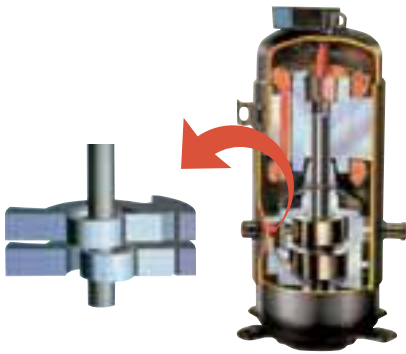
On the front and rear side of the unit, a rectangular port (with flange) helps during duct mounting.



Concealed duct unit		SAP-UMRV96EH		SAP-UMRV126EH		SAP-URV186EH		SAP-URV246EH	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Nominal capacity	kW	2.65	3.60	3.50	4.20	5.15	6.00	7.10	8.50
Air circulation (H)	m <sup>3</sup> /h	600		600		875		1000	
Moisture removal	Litres/h	1.5	-	1.8	-	2.0	-	2.5	-
External static pressure (std/booster)	Pa	49/69		49/69		49/69		49/69	
Sound pressure level (L/M/H)	dB(A)	40/43/45		40/43/45		33/38/45		37/40/48	
Sound power level (H)	dB(A)	54		54		54		57	
Tube diameter narrow/wide	mm(in)	6.35 (1/4)/9.52 (3/8)		6.35 (1/4)/9.52 (3/8)		6.35 (1/4)/12.7 (1/2)		6.35 (1/4)/15.88 (5/8)	
Dimensions (HxWxD)	mm	266x852x571		266x852x571		266x1058x571		266x1058x571	
Net weight	kg	30		30		35		35	
Power supply	V, Ph,Hz	230, 1+N, 50 to outdoor unit							

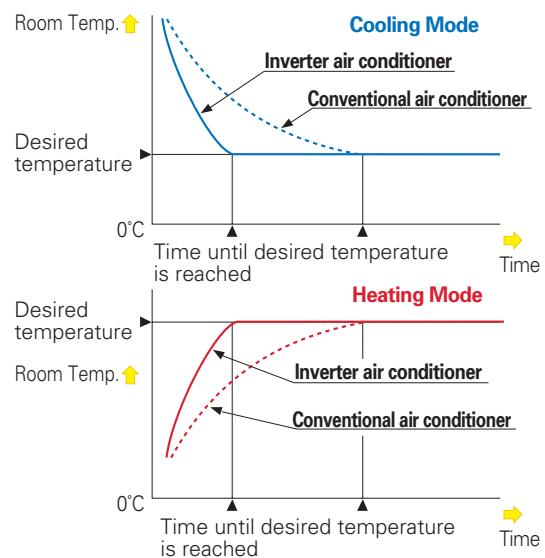
The Room Air Conditioners outdoor units utilise the latest SANYO twin rotary compressor, in which perfectly balanced dual rotors revolve smoothly and efficiently to provide powerful, quiet and vibration-free performance.

Advanced DC compressor design



### Rapid and accurate temperature control

The Room Air Conditioner systems use Advanced Digital Hybrid (ADH) technology for better, smarter and more cost-efficient year round climate control. Immediately following start-up, the DC compressor operates at maximum power to provide almost instant heating or cooling. As the desired air temperature is reached, a special Pulse Width Module automatically adjusts the compressor's frequency to exactly meet the cooling or heating requirements of the room. The result is exceptionally precise temperature control, less noise and significant energy savings.



### SAP-CMRV1426EH

2.2: SAP-KMRV74/76EH 2.65: SAP-KMRV94/96EH 3.5: SAP-KMRV124/126EH

Rated cooling capacity: 4.0kW	Indoor unit combination		Indoor Unit Capacity (kW)					
			Cooling			Heating		
			Room A	Room B	Total performance Capacity (Min.-Max.)	Room A	Room B	Total performance Capacity (Min.-Max.)
Single room operation	2.2	= 2.2	2.20		2.2 (1.2 - 2.6)	2.50		2.5 (1.4 - 3.5)
	2.65	= 2.65	2.65		2.65 (1.2 - 3.2)	3.60		3.6 (1.4 - 4.0)
	3.5	= 3.5	3.50		3.5 (1.3 - 3.6)	4.20		4.2 (1.5 - 4.2)
2-room operation	2.2 + 2.2 = 4.4		1.80	1.80	3.6 (2.0 - 4.5)	2.10	2.10	4.2 (2.0 - 5.0)
	2.2 + 2.65 = 4.85		1.68	2.02	3.7 (2.0 - 4.8)	1.72	2.48	4.2 (2.0 - 5.0)
	2.2 + 3.5 = 5.7		1.51	2.39	3.9 (2.0 - 4.9)	1.64	2.76	4.4 (2.2 - 5.3)
	2.65 + 2.65 = 5.3		2.00	2.00	4.0 (2.0 - 5.0)	2.25	2.25	4.5 (2.2 - 5.5)
	2.65 + 3.5 = 6.15		1.72	2.28	4.0 (2.1 - 5.0)	2.08	2.42	4.5 (2.4 - 5.5)

2.65: SAP-KRV96EHDS

Rated cooling capacity: 3.9kW	Indoor unit combination		Indoor Unit Capacity (kW)					
			Cooling			Heating		
			Room A	Room B	Total performance Capacity (Min.- Max.)	Room A	Room B	Total performance Capacity (Min.- Max.)
Single room operation	2.65	= 2.65	2.65		2.65 (1.2 - 3.1)	3.60		3.6 (1.4 - 4.0)
2 room operation	2.65 + 2.65 = 5.3		1.95	1.95	3.9 (2.0 - 4.9)	2.25	2.25	4.5 (2.2 - 5.5)

- The SAP-KRV96EHDS indoor unit can be combined with other SAP-KRV96EHDS, however it cannot be combined with other SAP-KMRVxxEH indoor units.
- The table lists the wall-mounted type of indoor units as representative models.
- For details on the connection of indoor units other than the wall-mounted type, refer to the catalogue.

# Flexi Multi Indoor Unit Operating Capacities (6 Series)

**NEW**

## SAP-CMRV1926EH

2.2: SAP-KMRV74/76EH 2.65: SAP-KMRV94/96EH 3.5: SAP-KMRV124/126EH 5.15: SAP-KRV184/186EH

Rated cooling capacity: 5.6kW	Indoor unit combination			Indoor Unit Capacity (kW)					
				Cooling			Heating		
				Room A	Room B	Total performance	Room A	Room B	Total performance
Capacity (Min.-Max.)									
Single room operation	2.2		= 2.2	2.20		2.2 (1.4 - 2.6)	2.50		2.5 (1.8 - 4.3)
	2.65		= 2.65	2.65		2.65 (1.4 - 3.2)	3.60		3.6 (1.8 - 4.7)
	3.5		= 3.5	3.50		3.5 (1.5 - 3.6)	4.20		4.2 (1.9 - 5.1)
	5.15		= 5.15	5.15		5.15 (1.6 - 5.8)	6.00		6.0 (2.0 - 7.8)
2 room operation	2.2 + 2.2 = 4.4			2.20	2.20	4.4 (2.0 - 5.1)	2.50	2.50	5.0 (2.0 - 6.4)
	2.2 + 2.65 = 4.85			2.20	2.20	4.85 (2.0 - 5.8)	2.50	3.60	6.1 (2.1 - 7.5)
	2.2 + 3.5 = 5.7			1.97	1.97	5.1 (2.0 - 6.7)	2.35	3.95	6.3 (2.1 - 8.3)
	2.2 + 5.15 = 7.35			1.65	1.65	5.5 (2.1 - 6.8)	2.03	4.87	6.9 (2.4 - 8.4)
	2.65 + 2.65 = 5.3			2.50	2.50	5.0 (2.0 - 6.3)	3.23	3.23	6.45 (2.3 - 8.4)
	2.65 + 3.5 = 6.15			2.24	2.24	5.2 (2.0 - 6.8)	3.07	3.58	6.65 (2.3 - 8.4)
	2.65 + 5.15 = 7.8			1.90	1.90	5.6 (2.1 - 6.8)	2.74	4.56	7.3 (2.4 - 8.4)
	3.5 + 3.5 = 7			2.70	2.70	5.4 (2.0 - 6.8)	3.45	3.45	6.9 (2.3 - 8.4)
3.5 + 5.15 = 8.65			2.27	2.27	5.6 (2.1 - 6.8)	3.01	4.29	7.3 (2.4 - 8.4)	

Rated cooling capacity: 3.9kW	Indoor unit combination			Indoor Unit Capacity (kW)					
				Cooling			Heating		
				Room A	Room B	Total performance	Room A	Room B	Total performance
Capacity (Min. - Max.)									
Single room operation	2.65		= 2.65	2.65		2.65 (1.4 - 3.2)	3.60		3.6 (1.48 - 4.7)
2 room operation	2.65 + 2.65 = 5.3			2.50	2.50	5.0 (2.0 - 6.3)	3.23	3.23	6.45 (2.3 - 8.4)

- The SAP-KRV96EHDS indoor unit can be combined with other SAP-KRV96EHDS, however it cannot be combined with other SAP-KMRVxxEH indoor units.
- The table lists the wall-mounted type of indoor units as representative models.
- For details on the connection of indoor units other than the wall-mounted type, refer to the catalogue.

## SAP-CMRV1936EH

2.2: SAP-KMRV74/76EH 2.65: SAP-KMRV94/96EH 3.5: SAP-KMRV124/126EH 5.15: SAP-KRV184/186EH

Rated cooling capacity: 5.6kW	Indoor unit combination			Indoor Unit Capacity (kW)							
				Cooling			Heating				
				Room A	Room B	Room C	Total performance	Room A	Room B	Room C	Total performance
Capacity (Min.-Max.)											
Single room operation	2.2		= 2.2	2.20		2.2 (1.4-2.6)	2.50		2.5 (1.8 -4.3)		
	2.65		= 2.65	2.65		2.65 (1.4-3.2)	3.60		3.6 (1.8 -4.7)		
	3.5		= 3.5	3.50		3.5 (1.5-3.6)	4.20		4.2 (1.9 -5.1)		
	5.15		= 5.15	5.15		5.15 (1.6-5.8)	6.00		6.0 (2.0 -7.8)		
2 room operation	2.2 + 2.2 = 4.4			2.20	2.20	4.4 (2.0-5.1)	2.50	2.50	5.0 (2.0-6.4)		
	2.2 + 2.65 = 4.85			2.20	3.65	4.85 (2.0-5.8)	2.50	3.60	6.1 (2.1-7.5)		
	2.2 + 3.5 = 5.7			1.97	2.50	5.1 (2.0-6.7)	2.35	3.95	6.3 (2.1-8.3)		
	2.2 + 5.15 = 7.35			1.65	2.96	5.5 (2.1-6.8)	2.03	4.87	6.9 (2.4-8.4)		
	2.65 + 2.65 = 5.3			2.50	2.50	5.0 (2.0-6.3)	3.23	3.23	6.45 (2.3-8.4)		
	2.65 + 3.5 = 6.15			2.24	2.96	5.2 (2.0-6.8)	3.07	3.58	6.65 (2.3-8.4)		
	2.65 + 5.15 = 7.8			1.90	3.70	5.6 (2.1-6.8)	2.74	4.56	7.3 (2.4-8.4)		
	3.5 + 3.5 = 7			2.70	2.70	5.4 (2.0-6.8)	3.45	3.45	6.9 (2.3-8.4)		
3 room operation	3.5 + 5.15 = 8.65			2.27	3.33	5.6 (2.1-6.8)	3.01	4.29	7.3 (2.4-8.4)		
	2.2 + 2.2 + 2.2 = 6.6			1.77	1.77	1.77	5.3 (2.5-6.8)	2.18	2.18	2.18	6.55 (2.7-8.4)
	2.2 + 2.2 + 2.65 = 7.05			1.69	1.69	2.03	5.4 (2.9-6.8)	2.02	2.02	2.91	6.95 (3.0-8.4)
	2.2 + 2.2 + 3.5 = 7.9			1.56	1.56	2.48	5.6 (2.9-6.8)	1.94	1.94	3.26	7.15 (3.2-8.4)
	2.2 + 2.2 + 5.15 = 9.55			1.29	1.29	3.02	5.6 (2.9-6.8)	1.66	1.66	3.98	7.3 (3.4-8.4)
	2.2 + 2.65 + 2.65 = 7.5			1.63	1.96	1.96	5.55 (2.9-6.8)	1.88	2.71	2.71	7.3 (3.4-8.4)
	2.2 + 2.65 + 3.5 = 8.35			1.48	1.78	2.35	5.6 (2.9-6.8)	1.77	2.55	2.55	7.3 (3.4-8.4)
	2.2 + 2.65 + 5.15 = 10			1.23	1.48	2.88	5.6 (2.9-6.8)	1.51	2.17	3.62	7.3 (3.4-8.4)
	2.2 + 3.5 + 3.5 = 9.2			1.34	2.13	2.13	5.6 (2.9-6.8)	1.67	2.81	2.81	7.3 (3.4-8.4)
	2.65 + 2.65 + 2.65 = 7.95			1.87	1.87	1.87	5.6 (2.9-6.8)	2.43	2.43	2.43	7.3 (3.4-8.4)
2.65 + 2.65 + 3.5 = 8.8			1.69	1.69	2.23	6 (2.9-6.8)	2.31	2.31	2.69	7.3 (3.4-8.4)	
2.65 + 3.5 + 3.5 = 9.65			1.54	2.03	2.03	5.6 (2.9-6.8)	2.19	2.56	2.56	7.3 (3.4-8.4)	
3.5 + 3.5 + 3.5 = 10.5			1.87	1.87	1.87	5.6 (2.9-6.8)	2.43	2.43	V	7.3 (3.4-8.4)	

Rated cooling capacity: 5.6kW	Indoor unit combination			Indoor Unit Capacity (kW)							
				Cooling			Heating				
				Room A	Room B	Room C	Total performance	Room A	Room B	Room C	Total performance
Capacity (Min.-Max.)											
Single-room operation	2.65		= 2.65	2.65		2.65 (1.4-3.2)	3.60		3.6 (1.8 -4.7)		
2 room operation	2.2 + 2.2 = 4.4			2.20	2.20	4.4 (2.0-5.1)	2.50	2.50	5.0 (2.0-6.4)		
2 room operation	2.65 + 2.65 = 5.3			2.50	2.50	5.0 (2.0-6.3)	3.23	3.23	6.45 (2.3-8.4)		
3 room operation	2.65 + 2.65 + 2.65 = 7.95			1.87	1.87	1.87	5.6 (2.9-6.8)	2.43	2.43	2.43	7.3 (3.4-8.4)

- The SAP-KRV96EHDS indoor unit can be combined with other SAP-KRV96EHDS, however it cannot be combined with other SAP-KMRVxxEH indoor units.
- The table lists the wall-mounted type of indoor units as representative models.
- For details on the connection of indoor units other than the wall-mounted type, refer to the catalogue.

# Flexi Multi Indoor Unit Operating Capacities (6 Series) continued

**NEW**

SAP-CMRV2446EH 2.2: SAP-KMRV74/76EH 2.65: SAP-KMRV94/96EH 3.5: SAP-KMRV124/126EH 5.15: SAP-KRV184/186EH 7.1: SAP-KRV244/246EH

Rated cooling capacity: 6.8kW	Indoor unit combination	Indoor Unit Capacity (kW)									
		Cooling					Heating				
		Room A	Room B	Room C	Room D	Total performance Capacity (Min.-Max.)	Room A	Room B	Room C	Room D	Total performance Capacity (Min.-Max.)
Single room operation	2.2 = 2.2	2.20				2.2 (1.4-2.6)	2.50				2.5 (1.8-4.3)
	2.65 = 2.65	2.65				2.65 (1.4-3.2)	3.60				3.6 (1.8-4.7)
	3.5 = 3.5	3.50				3.5 (1.5-3.6)	4.20				4.2 (1.9-5.1)
	5.15 = 5.15	5.15				5.15 (1.6-5.8)	6.00				6.0 (2.0-7.8)
	7.1 = 7.1	6.80				6.8 (1.6-6.8)	8.00				8.0 (2.0-8.0)
2 room operation	2.2 + 2.2 = 4.4	2.20	2.20			4.4 (2.0-5.1)	2.50	2.50			5.0 (2.0-6.4)
	2.2 + 2.65 = 4.85	2.20	3.65			4.85 (2.0-5.8)	2.50	3.60			6.1 (2.1-7.5)
	2.2 + 3.5 = 5.7	2.20	3.50			5.7 (2.0-6.7)	2.50	4.20			6.7 (2.1-8.3)
	2.2 + 5.15 = 7.35	1.95	4.55			6.5 (2.1-7.7)	2.38	5.72			8.1 (2.4-9.0)
	2.2 + 7.1 = 9.3	1.57	5.08			6.65 (2.1-7.9)	2.01	6.44			8.45 (2.4-9.0)
	2.65 + 2.65 = 5.3	2.65	2.65			5.3 (2.0-6.3)	3.60	3.60			6.45 (2.3-8.4)
	2.65 + 3.5 = 6.15	2.54	3.36			5.9 (2.0-6.8)	3.51	4.09			7.2 (2.3-8.5)
	2.65 + 5.15 = 7.8	2.28	4.42			6.7 (2.1-7.9)	3.08	5.13			7.6 (2.3-8.5)
	2.65 + 7.1 = 9.75	1.85	4.95			6.8 (2.1-7.9)	2.64	5.86			8.5 (2.4-9.0)
	3.5 + 3.5 = 7	3.23	3.23			6.45 (2.0-7.9)	4.00	4.00			8.0 (2.3-8.5)
3.5 + 5.15 = 8.65	2.69	3.96			6.65 (2.1-7.9)	3.42	4.88			8.3 (2.4-9.0)	
3.5 + 7.1 = 10.6	2.25	4.55			6.8 (2.1-7.9)	2.96	5.64			8.6 (2.4-9.0)	
5.15 + 5.15 = 10.3	3.40	3.40			6.8 (2.1-7.9)	4.28	4.28			8.55 (2.4-9.0)	
3 room operation	2.2 + 2.2 + 2.2 = 6.6	2.17	2.17	2.17		6.5 (2.5-7.7)	2.50	2.50	2.50		7.5 (2.7-8.5)
	2.2 + 2.2 + 2.65 = 7.05	2.06	2.06	2.48		6.6 (2.9-7.9)	2.33	2.33	3.35		8.0 (3.0-9.0)
	2.2 + 2.2 + 3.5 = 7.9	1.88	1.88	2.99		6.75 (2.9-7.9)	2.26	2.26	3.79		8.3 (3.2-9.0)
	2.2 + 2.2 + 5.15 = 9.55	1.57	1.57	3.67		6.8 (2.9-7.9)	1.95	1.95	4.69		8.6 (3.4-9.0)
	2.2 + 2.65 + 2.65 = 7.5	1.97	2.37	2.37		6.7 (2.9-7.9)	3.12	3.12	3.12		8.4 (3.4-9.0)
	2.2 + 2.65 + 3.5 = 8.35	1.79	2.16	2.85		6.8 (2.9-7.9)	2.06	2.97	3.47		8.5 (3.4-9.0)
	2.2 + 2.65 + 5.15 = 10	1.50	1.80	3.50		6.8 (2.9-7.9)	1.78	2.56	4.26		8.6 (3.4-9.0)
	2.2 + 3.5 + 3.5 = 9.2	1.63	2.59	2.59		6.8 (2.9-7.9)	1.97	3.31	3.31		8.6 (3.4-9.0)
	2.2 + 3.5 + 5.15 = 10.9	1.38	2.19	3.23		6.8 (2.9-7.9)	1.69	2.84	4.06		8.6 (3.4-9.0)
	2.65 + 2.65 + 2.65 = 7.95	2.27	2.27	2.27		6.8 (2.9-7.9)	2.87	2.87	2.87		8.6 (3.4-9.0)
	2.65 + 2.65 + 3.5 = 8.8	2.05	2.05	2.70		6.8 (2.9-7.9)	2.72	2.72	3.17		8.6 (3.4-9.0)
	2.65 + 2.65 + 5.15 = 10.5	1.72	1.72	3.35		6.8 (2.9-7.9)	2.35	2.35	3.91		8.6 (3.4-9.0)
	2.65 + 3.5 + 3.5 = 9.65	1.87	2.87	2.87		6.8 (2.9-7.9)	2.58	3.01	3.01		8.6 (3.4-9.0)
	2.65 + 3.5 + 5.15 = 11.3	1.59	2.11	3.10		6.8 (2.9-7.9)	2.24	2.62	3.74		8.6 (3.4-9.0)
3.5 + 3.5 + 3.5 = 10.5	2.27	2.27	2.27		6.8 (2.9-7.9)	2.87	2.87	2.87		8.6 (3.4-9.0)	
3.5 + 3.5 + 5.15 = 12.2	1.96	1.96	2.88		6.8 (2.9-7.9)	2.51	2.51	3.58		8.6 (3.4-9.0)	
4 room operation	2.2 + 2.2 + 2.2 + 2.2 = 8.8	1.70	1.70	1.70	1.70	6.8 (2.9-8.1)	2.15	2.15	2.15	2.15	8.6 (3.4-9.0)
	2.2 + 2.2 + 2.2 + 2.65 = 9.25	1.62	1.62	1.62	1.95	6.8 (2.9-8.1)	1.94	1.94	1.94	2.79	8.6 (3.4-9.0)
	2.2 + 2.2 + 2.2 + 3.5 = 10.1	1.48	1.48	1.48	2.36	6.8 (2.9-8.1)	1.84	1.84	1.84	3.09	8.6 (3.4-9.0)
	2.2 + 2.2 + 2.2 + 5.15 = 11.75	1.27	1.27	1.27	2.98	6.8 (2.9-8.1)	1.59	1.59	1.59	3.82	8.6 (3.4-9.0)
	2.2 + 2.2 + 2.65 + 2.65 = 9.7	1.54	1.54	1.86	1.86	6.8 (2.9-8.1)	1.76	1.76	2.54	2.54	8.6 (3.4-9.0)
	2.2 + 2.2 + 2.65 + 3.5 = 10.55	1.42	1.42	1.71	2.26	6.8 (2.9-8.1)	1.68	1.68	2.42	2.82	8.6 (3.4-9.0)
	2.2 + 2.2 + 2.65 + 5.15 = 12.2	1.23	1.23	1.48	2.87	6.8 (2.9-8.1)	1.47	1.47	2.12	3.53	8.6 (3.4-9.0)
	2.2 + 2.2 + 3.5 + 3.5 = 11.4	1.31	1.31	2.09	2.09	6.8 (2.9-8.1)	1.60	1.60	2.70	2.70	8.6 (3.4-9.0)
	2.2 + 2.2 + 3.5 + 5.15 = 13.05	1.15	1.15	1.82	2.68	6.8 (2.9-8.1)	1.41	1.41	2.38	3.39	8.6 (3.4-9.0)
	2.2 + 2.65 + 2.65 + 2.65 = 10.15	1.47	1.78	1.78	1.78	6.8 (2.9-8.1)	1.62	2.33	2.33	2.33	8.6 (3.4-9.0)
	2.2 + 2.65 + 2.65 + 3.5 = 11	1.36	1.64	1.64	2.16	6.8 (2.9-8.1)	1.55	2.23	2.23	2.60	8.6 (3.4-9.0)
	2.2 + 2.65 + 2.65 + 5.15 = 12.65	1.18	1.42	1.42	2.77	6.8 (2.9-8.1)	1.37	1.97	1.97	3.29	8.6 (3.4-9.0)
	2.2 + 2.65 + 3.5 + 3.5 = 11.85	1.18	1.42	1.42	2.77	6.8 (2.9-8.1)	1.48	1.48	2.49	2.49	8.6 (3.4-9.0)
	2.2 + 3.5 + 3.5 + 3.5 = 12.7	1.18	1.87	1.87	1.87	6.8 (2.9-8.1)	1.42	1.42	2.39	2.39	8.6 (3.4-9.0)
	2.65 + 2.65 + 2.65 + 2.65 = 10.6	1.70	1.70	1.70	1.70	6.8 (2.9-8.1)	2.15	2.15	2.15	2.15	8.6 (3.4-9.0)
	2.65 + 2.65 + 2.65 + 3.5 = 11.45	1.57	1.57	1.57	2.08	6.8 (2.9-8.1)	2.06	2.06	2.06	2.41	8.6 (3.4-9.0)
2.65 + 2.65 + 2.65 + 5.15 = 13.1	1.38	1.38	1.38	2.67	6.8 (2.9-8.1)	1.84	1.84	1.84	3.07	8.6 (3.4-9.0)	
2.65 + 2.65 + 3.5 + 3.5 = 12.3	1.47	1.47	1.93	1.93	6.8 (2.9-8.1)	1.98	1.98	2.32	2.32	8.6 (3.4-9.0)	

- The table lists the wall-mounted type of indoor units as representative models.
- For details on the connection of indoor units other than the wall-mounted type, refer to the catalogue.



SAP-CMRV3146EH 2.2: SAP-KMRV74/76EH 2.65: SAP-KMRV94/96EH 3.5: SAP-KMRV124/126EH 5.15: SAP-KRV184/186EH 7.1: SAP-KRV244/246EH

Rated cooling capacity: 8.0kW	Indoor unit combination		Indoor Unit Capacity (kW)										
			Cooling					Heating					
			Room A	Room B	Room C	Room D	Total performance Capacity (Min.-Max.)	Room A	Room B	Room C	Room D	Total performance Capacity (Min.-Max.)	
Single room operation	2.2	= 2.2	= 2.2				2.2 (1.5 - 2.6)	2.50				2.5 (1.8 - 4.3)	
	2.65	= 2.65	= 2.65				2.65 (1.5 - 3.2)	3.60				3.6 (1.8 - 4.7)	
	3.5	= 3.5	= 3.5				3.5 (1.6 - 3.6)	4.20				4.2 (1.9 - 5.1)	
	5.15	= 5.15	= 5.15				5.15 (1.7 - 5.8)	6.00				6.0 (2.0 - 7.8)	
	7.1	= 7.1	= 7.1				7.1 (1.8 - 7.4)	8.50				8.5 (2.0 - 8.8)	
2 room operation	2.2 + 2.2 = 4.4		2.20	2.20			4.4 (2.0 - 5.1)	2.50	2.50			5.0 (2.0 - 6.4)	
	2.2 + 2.65 = 4.85		2.20	2.65			4.85 (2.0 - 5.8)	2.50	3.60			6.1 (2.1 - 7.5)	
	2.2 + 3.5 = 5.7		2.20	3.50			5.7 (2.0 - 6.7)	2.50	4.20			6.7 (2.3 - 8.3)	
	2.2 + 5.15 = 7.35		2.14	5.01			7.15 (2.2 - 7.7)	2.50	6.00			8.5 (3.0 - 9.4)	
	2.2 + 7.1 = 9.3		1.81	5.84			7.65 (2.3 - 8.8)	2.01	6.84			8.85 (3.0 - 9.8)	
	2.65 + 2.65 = 5.3		2.65	2.65			5.3 (2.0 - 6.5)	3.60	3.60			7.2 (2.4 - 8.5)	
	2.65 + 3.5 = 6.15		2.54	3.36			5.9 (2.0 - 7.4)	3.51	4.09			7.6 (2.6 - 8.5)	
	2.65 + 5.15 = 7.8		2.46	4.79			7.25 (2.3 - 8.5)	3.24	5.41			8.65 (3.3 - 9.4)	
	2.65 + 7.1 = 9.75		2.11	5.64			7.75 (2.3 - 8.8)	2.68	6.32			9.0 (3.3 - 9.8)	
	3.5 + 3.5 = 7		3.40	3.40			6.8 (2.2 - 8.4)	4.00	4.00			8.0 (2.9 - 8.5)	
	3.5 + 5.15 = 8.65		3.03	4.47			7.5 (2.6 - 8.8)	3.60	5.15			8.75 (3.4 - 9.8)	
	3.5 + 7.1 = 10.6		2.61	5.29			7.9 (2.6 - 8.8)	3.01	6.09			9.1 (3.4 - 9.8)	
5.15 + 5.15 = 10.3		3.95	3.95			7.9 (2.6 - 8.8)	4.50	4.50			9.0 (3.4 - 9.8)		
5.15 + 7.1 = 12.3		3.36	4.64			8.0 (2.7 - 8.8)	3.89	5.51			9.4 (3.4 - 9.8)		
3 room operation	2.2 + 2.2 + 2.2 = 6.6		2.20	2.20	2.20		6.6 (2.0 - 7.7)	2.50	2.50	2.50		7.5 (2.7 - 9.0)	
	2.2 + 2.2 + 2.65 = 7.05		2.20	2.20	2.20		7.05 (2.2 - 8.4)	2.47	2.47	3.56		8.5 (3.0 - 9.2)	
	2.2 + 2.2 + 3.5 = 7.9		2.03	2.03	2.03		7.3 (2.4 - 8.6)	2.34	2.34	3.93		8.6 (3.2 - 9.8)	
	2.2 + 2.2 + 5.15 = 9.55		1.77	1.77	1.77		7.7 (2.7 - 9.0)	2.01	2.01	4.83		8.85 (3.4 - 9.8)	
	2.2 + 2.2 + 7.1 = 11.5		1.53	1.53	1.53		8.0 (2.9 - 9.0)	1.71	1.71	5.82		9.25 (3.4 - 9.8)	
	2.2 + 2.65 + 2.65 = 7.5		2.11	2.54	2.54		7.2 (2.3 - 8.6)	2.23	3.21	3.21		8.65 (3.3 - 9.3)	
	2.2 + 2.65 + 3.5 = 8.35		1.95	2.35	2.35		7.4 (2.6 - 9.0)	2.12	3.06	3.57		8.75 (3.4 - 9.8)	
	2.2 + 2.65 + 5.15 = 10		1.72	2.07	2.07		7.8 (2.9 - 9.0)	1.86	2.68	4.46		9.0 (3.4 - 9.8)	
	2.2 + 2.65 + 7.1 = 12		1.47	1.77	1.77		8.0 (2.9 - 9.0)	1.61	2.32	5.47		9.4 (3.4 - 9.8)	
	2.2 + 3.5 + 3.5 = 9.2		1.82	2.89	2.89		7.6 (2.7 - 9.0)	2.03	3.41	3.41		8.85 (3.4 - 9.8)	
	2.2 + 3.5 + 5.15 = 10.9		1.60	2.55	2.55		7.9 (2.9 - 9.0)	1.79	3.01	4.30		9.1 (3.4 - 9.8)	
	2.2 + 3.5 + 7.1 = 12.8		1.38	2.19	2.19		8.0 (2.9 - 9.0)	1.55	2.60	5.26		9.4 (3.4 - 9.8)	
	2.2 + 5.15 + 5.15 = 12.5		1.41	3.30	3.30		8.0 (2.9 - 9.0)	1.62	3.89	3.89		9.4 (3.4 - 9.8)	
	2.2 + 5.15 + 7.1 = 14.5		1.22	2.85	2.85		8.0 (2.9 - 9.0)	1.38	3.32	4.70		9.4 (3.4 - 9.8)	
	2.65 + 2.65 + 2.65 = 7.95		2.43	2.43	2.43		7.3 (2.5 - 8.6)	2.95	2.95	2.95		8.85 (3.4 - 9.4)	
	2.65 + 2.65 + 3.5 = 8.8		2.26	2.26	2.26		7.5 (2.7 - 9.0)	2.81	2.81	3.28		8.9 (3.4 - 9.8)	
	2.65 + 2.65 + 5.15 = 10.5		2.00	2.00	2.00		7.9 (2.9 - 9.0)	2.51	2.51	4.18		9.2 (3.4 - 9.8)	
	2.65 + 2.65 + 7.1 = 12.4		1.71	1.71	1.71		8.0 (2.9 - 9.0)	2.16	2.16	5.09		9.4 (3.4 - 9.8)	
	2.65 + 3.5 + 3.5 = 9.65		2.13	2.81	2.81		7.75 (2.7 - 9.0)	2.70	3.15			9.0 (3.4 - 9.8)	
	2.65 + 3.5 + 5.15 = 11.3		1.88	2.48	2.48		8.0 (2.9 - 9.0)	2.43	2.83	4.04		9.3 (3.4 - 9.8)	
2.65 + 3.5 + 7.1 = 13.3		1.60	2.11	2.11		8.0 (2.9 - 9.0)	2.08	2.42	4.90		9.4 (3.4 - 9.8)		
2.65 + 5.15 + 5.15 = 13		1.64	3.18	3.18		8.0 (2.9 - 9.0)	2.17	3.62	3.62		9.4 (3.4 - 9.8)		
3.5 + 3.5 + 3.5 = 10.5		2.65	2.65	2.65		7.95 (2.9 - 9.0)	3.03	3.03	3.03		9.1 (3.4 - 9.8)		
3.5 + 3.5 + 5.15 = 12.2		2.30	2.30	2.30		8.0 (2.9 - 9.0)	2.73	2.73	3.90		9.35 (3.4 - 9.8)		
3.5 + 3.5 + 7.1 = 14.1		1.99	1.99	1.99		8.0 (2.9 - 9.0)	2.34	2.34	4.73		9.4 (3.4 - 9.8)		
3.5 + 5.15 + 5.15 = 13.8		2.03	2.99	2.99		8.0 (2.9 - 9.0)	2.44	3.48	3.48		9.4 (3.4 - 9.8)		

# Flexi Multi Indoor Unit Operating Capacities (6 Series) continued

**NEW**

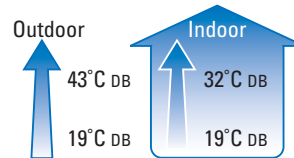
SAP-CMRV3146EH 2.2: SAP-KMRV74/76EH 2.65: SAP-KMRV94/96EH 3.5: SAP-KMRV124/126EH 5.15: SAP-KRV184/186EH 7.1: SAP-KRV244/246EH

Rated cooling capacity: 8.0kW	Indoor unit combination	Indoor Unit Capacity (kW)									
		Cooling					Heating				
		Room A	Room B	Room C	Room D	Total performance Capacity (Min.-Max.)	Room A	Room B	Room C	Room D	Total performance Capacity (Min.-Max.)
4 room operation	2.2 + 2.2 + 2.2 + 2.2 = 8.8	1.88	1.88	1.88	1.88	7.5 (2.9 - 9.2)	2.18	2.18	2.18	2.18	8.7 (3.4 - 9.8)
	2.2 + 2.2 + 2.2 + 2.65 = 9.25	1.82	1.82	1.82	2.19	7.65 (2.9 - 9.2)	1.99	1.99	1.99	2.87	8.85 (3.4 - 9.8)
	2.2 + 2.2 + 2.2 + 3.5 = 10.1	1.71	1.71	1.71	2.72	7.85 (2.9 - 9.2)	1.91	1.91	1.91	3.21	8.95 (3.4 - 9.8)
	2.2 + 2.2 + 2.2 + 5.15 = 11.8	1.50	1.50	1.50	3.51	8.0 (2.9 - 9.2)	1.71	1.71	1.71	4.11	9.25 (3.4 - 9.8)
	2.2 + 2.2 + 2.2 + 7.1 = 13.7	1.28	1.28	1.28	4.15	8.0 (2.9 - 9.2)	1.47	1.47	1.47	4.99	9.4 (3.4 - 9.8)
	2.2 + 2.2 + 2.65 + 2.65 = 9.7	1.76	1.76	2.12	2.12	7.75 (2.9 - 9.2)	1.85	1.85	2.67	2.67	9.05 (3.4 - 9.8)
	2.2 + 2.2 + 2.65 + 3.5 = 10.6	1.66	1.66	2.00	2.64	7.95 (2.9 - 9.2)	1.79	1.79	2.57	3.00	9.15 (3.4 - 9.8)
	2.2 + 2.2 + 2.65 + 5.15 = 12.2	1.44	1.44	1.74	3.38	8.0 (2.9 - 9.2)	1.61	1.61	2.32	3.86	9.4 (3.4 - 9.8)
	2.2 + 2.2 + 2.65 + 7.1 = 14.2	1.24	1.24	1.50	4.01	8.0 (2.9 - 9.2)	1.37	1.37	1.98	4.67	9.4 (3.4 - 9.8)
	2.2 + 2.2 + 3.5 + 3.5 = 11.4	1.54	1.54	2.4	6.46	8.0 (2.9 - 9.2)	1.72	1.72	2.88	2.88	9.2 (3.4 - 9.8)
	2.2 + 2.2 + 3.5 + 5.15 = 13.1	1.35	1.35	2.15	3.16	8.0 (2.9 - 9.2)	1.55	1.55	2.60	3.71	9.4 (3.4 - 9.8)
	2.2 + 2.2 + 5.15 + 5.15 = 14.7	1.20	1.20	2.80	2.80	8.0 (2.9 - 9.2)	1.38	1.38	3.32	3.32	9.4 (3.4 - 9.8)
	2.2 + 2.65 + 2.65 + 2.65 = 10.2	1.70	2.05	2.05	2.05	7.85 (2.9 - 9.2)	1.73	2.49	2.49	2.49	9.2 (3.4 - 9.8)
	2.2 + 2.65 + 2.65 + 3.5 = 11	1.60	1.93	1.93	2.55	8.0 (2.9 - 9.2)	1.67	2.41	2.41	2.81	9.3 (3.4 - 9.8)
	2.2 + 2.65 + 2.65 + 5.15 = 12.7	1.39	1.68	1.68	3.26	8.0 (2.9 - 9.2)	1.50	2.16	2.16	3.59	9.4 (3.4 - 9.8)
	2.2 + 2.65 + 3.5 + 3.5 = 11.9	1.49	1.79	2.36	2.36	8.0 (2.9 - 9.2)	1.62	2.33	2.72	2.72	9.4 (3.4 - 9.8)
	2.2 + 2.65 + 3.5 + 5.15 = 13.5	1.30	1.57	2.07	3.05	8.0 (2.9 - 9.2)	1.44	2.08	2.42	3.46	9.4 (3.4 - 9.8)
	2.2 + 3.5 + 3.5 + 3.5 = 12.7	1.39	2.20	2.20	2.20	8.0 (2.9 - 9.2)	1.56	2.61	2.61	2.61	9.4 (3.4 - 9.8)
	2.2 + 3.5 + 3.5 + 5.15 = 14.4	1.23	1.95	1.95	2.87	8.0 (2.9 - 9.2)	1.39	2.34	2.34	3.34	9.4 (3.4 - 9.8)
	2.65 + 2.65 + 2.65 + 2.65 = 10.6	2.00	2.00	2.00	2.00	8.0 (2.9 - 9.2)	2.35	2.35	2.35	2.35	9.4 (3.4 - 9.8)
2.65 + 2.65 + 2.65 + 3.5 = 11.5	1.85	1.85	1.85	2.45	8.0 (2.9 - 9.2)	2.26	2.26	2.26	2.63	9.4 (3.4 - 9.8)	
2.65 + 2.65 + 2.65 + 5.15 = 13.1	1.62	1.62	1.62	3.15	8.0 (2.9 - 9.2)	2.01	2.01	2.01	3.36	9.4 (3.4 - 9.8)	
2.65 + 2.65 + 3.5 + 3.5 = 12.3	1.72	1.72	2.28	2.28	8.0 (2.9 - 9.2)	2.17	2.17	2.53	2.53	9.4 (3.4 - 9.8)	
2.65 + 2.65 + 3.5 + 5.15 = 14	.52	1.52	2.01	2.95	8.0 (2.9 - 9.2)	1.94	1.94	2.27	3.24	9.4 (3.4 - 9.8)	
2.65 + 3.5 + 3.5 + 3.5 = 13.2	1.61	2.13	2.13	2.13	8.0 (2.9 - 9.2)	2.09	2.44	2.44	2.44	9.4 (3.4 - 9.8)	
3.5 + 3.5 + 3.5 + 3.5 = 14	2.00	2.00	2.00	2.00	8.0 (2.9 - 9.2)	2.35	2.35	2.35	2.35	9.4 (3.4 - 9.8)	

- The table lists the wall-mounted type of indoor units as representative models.
- For details on the connection of indoor units other than the wall-mounted type, refer to the catalogue.

## SAP-PFR122E

- Quiet operation
- Infrared remote control with 4 digital timers to be set on the 24h and week-end, night set back, start-up of air-conditioning or dehumidifying or ventilation only modes, temperature digital adjustment and room temperature control by a special sensor inside the remote control
- Double temperature sensor (on remote control/on indoor unit)
- Dry function
- Three-speed fan
- Anti-mould and anti-bacteria washable filters
- Auto restart after a power supply black out
- Electronic protection against over-pressures
- High efficiency rotary compressor
- Optional pipe-extension kits connecting Indoor and Outdoor units (2 and 4m)



Unit model	SAP-PFR122E	
Performance		Cooling
Capacity	kW	2.98
E.E.R.	W/W	3.22
Energy class		A
Annual energy consumption	kWh	463
Fan speed		3 + Auto / 1
Air circulation	m <sup>3</sup> /h	370
Tubing length	m	2
Moisture removal	l/h	1.2
Sound pressure outdoor (H)	dB(A)	45
Sound pressure indoor (L/M/H)	dB(A)	34/36/36
Dimensions - indoor (HxWxD)	mm	790x580x245
Dimensions - outdoor (HxVxD)	mm	435x440x230
Net weight indoor	Kg	44
Net weight outdoor	Kg	9.5
Power supply		1ph/230V/50Hz
Running current	Amps	4.0





**VIRUS WASHER**

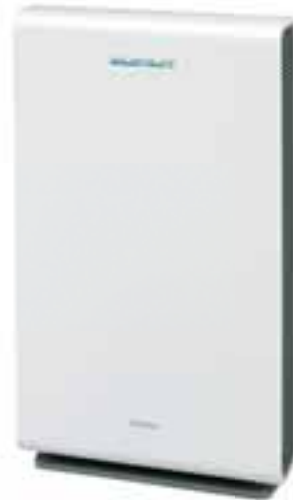
# Virus Washer Domestic Use Air Purifying System

ABC-VW24

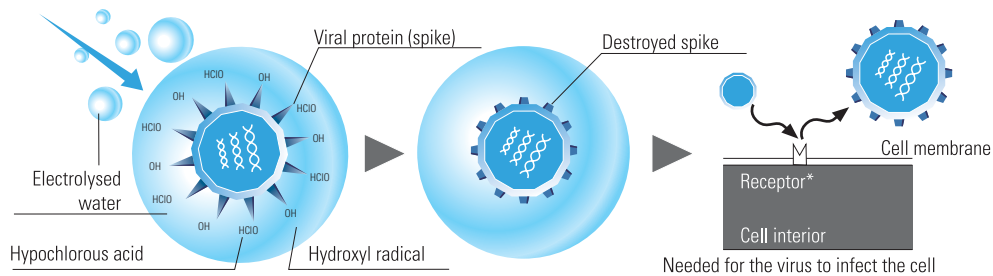
Each one of us typically breathes in about 15,000 Litres (15 cubic metres) of air into our lungs every day. SANYO has developed the Virus Washer function to suppress airborne viruses by using electrolysed water for domestic use.

## Controls airborne viruses, pollen and allergens

The hydroxyl radicals and hypochlorous acid contained in electrolysed water work together to destroy the spikes on the surface of the virus. This allows it to wrap around, disinfect and deodorise airborne viruses, bacteria and mould, as well as pollen, dust mite faeces and shells and odour molecules.



## How a Virus Washer works



(Joint research conducted with the Gunma Prefectural Institute of Public Health and Environmental Sciences)

## Combined action of electrolytic water

### Deactivates viruses

Destroys the protein surface of the viruses.

### Destroys pollen

Wraps around pollen destroying the surfaces.

### Eliminates odours

Water vapour encapsulates the molecules and eliminates odours.

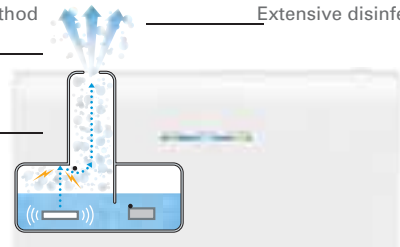
## Disinfecting effect of electrolysed water

Vapour generating method \_\_\_\_\_ Extensive disinfecting effect

3 Vapour dispersion \_\_\_\_\_

2 Generation of electrolysed water \_\_\_\_\_

1 Ultrasonic vibrating element \_\_\_\_\_



## The collected particles and odours are removed by a 5-layer, high-performance filter

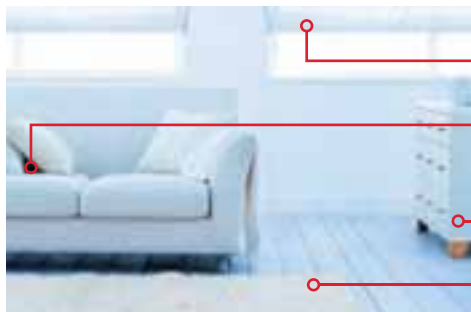


- 1: Pre filter - Removes large particles
- 2: Allergen disinfecting filter - traps bacteria, dust mite faeces, and pollen
- 3: HEPA filter - Removes fine particles
- 4: Nanotech carbon odour filter - captures and eliminates odours from smoke, tobacco, and domestic animals
- 5: Catechin disinfecting filter formulated with an antibacterial agent containing catechin. Deactivates trapped bacteria and viruses



### You can find contaminants even in places like these

There are many objects in the room, like tables and sofas, that obstruct the flow of air. To resolve this problem, SANYO uses a system that disperses mist in three directions, upward, to the left and to the right. This long-lasting disinfectant mist envelops the room to reach every spot, even areas adjacent to furniture.



**On curtains**

Odours clinging to fibres

**In hidden sofa areas**

Pollen, dust, mite faeces and shells, and dust

**Areas between furniture**

Mould, dust, mite faeces and shells, etc

**Inside the carpet**

Dust mite faeces and shells, pet dandruff, etc

VIRUS WASHER WITH ELECTROLYTIC TECHNOLOGY		
ABC-VW24		
Advised surface area	m <sup>2</sup>	40
Power consumption	(B/M/A) W	8-16-57
Fan speed		3
Air flowrate	(B/M/A) m <sup>3</sup> /h	72-168-306
Sound pressure level	(B/M/A) dB(A)	18-37-52
Particle filter		HEPA disinfectant
Odour filter		Nanotech carbon
Antibacterial treatment		Catechin
Timer		1/2/8 hours
Dimensions	(HxLxD) mm	600x340x180
Net weight	kg	7,1
Power supply	V,Ph,Hz	230. 1+N. 50

SANYO's revolutionary new air cleaner has been awarded the Seal of Approval by Allergy UK. In extensive testing carried out by Allergy UK the Virus Washer was found to significantly reduce occurrences of pollen, mould, house dust mites and other allergens.



# Virus Washer Commercial Use Air Purifying System

## VW-VF10BG

The quality of the air we breathe is important for our well-being and in places where people gather, such as schools, hospitals and other public facilities, airborne germs are often present. Infectious airborne viruses can be rendered harmless from the treated air by SANYO's Electrolysed Water Technology.

The Virus Washer also reduces airborne bacteria and mould, as well as pollen and dust mite allergens, to provide cleaner air for you, your colleagues and clients.\*

- Inactivates more than 99% of airborne viruses and bacteria, and reduces pollen and dust mite allergens from treated air
- Improves air hygiene
- Designed for enclosed spaces up to 100 m<sup>2</sup> (300 m<sup>3</sup>) such as within hospitals, offices and other public places
- Humidifies dry air
- Easy to install

\* Verification testing methods and results available on request.

### Inactivates airborne viruses with the power of electrolysed water

The Virus Washer uses an Electrolysed Water Disinfecting Element to inactivate viruses and other airborne microbes and particles. Electrolysed water runs over the air purification element in the Virus Washer. Indoor air is then forced to circulate through the element, inactivating airborne viruses which pass through it. Independent verification tests have shown that electrolysed water is effective in suppressing more than 99% of viruses in the air passing through the disinfectant element in a single pass.



### Powerful cleaning - can be used in schools, hospitals, offices and other large spaces

To clean the air in large spaces where many people come and go, the fan speed can be set to 480 > 600 m<sup>3</sup>/h (8 > 10 m<sup>3</sup>/min). This makes the Virus Washer suitable for use in schools, hospitals and other large spaces where people gather. The powerful cleaning capacity is capable of circulating the air approximately 2.7 > 3.3 times per hour in a school classroom (approximately 180 m<sup>3</sup>).

Model number		VWVF10BG
Power source		AC 220-240 V, 50-60HZ
Dimensions		790 (H) x 580 (W) x 297 (D) mm
Weight	Product weight	kg 33
	Operating weight	kg 39 (when water supply tank is full)
Exterior colour (Munsell number)		Front panel: NW-K11 (VW white), Munsell value: N 8.5 Side panel: NW-K12 (VW grey), Munsell value: N 4.0
Operation	Operating modules	High/Mid/Low
	Ambient usage temperature	5-35°C
Water to be used		Top water (potable)*1 Maximum Total Water: 400ppm as CaCO <sub>3</sub> , Virus Washer Water Filters required above 100ppm TH
Electrical characteristics	Power consumption	W High: 145, Mid: 78, Low: 57
	Current	A High: 2.10, Mid: 1.20, Low: 0.88
Ventilating device	Rated airflow	m <sup>3</sup> /min High: 10, Mid: 5, Low: 2
	Louvre	Two louvres (with swing function, closing with power OFF)
Continuous operating time*3	Airflow direction adjustment range	0°- 23° (airflow direction position memory)
	Summer	Hours High: 7, Mid: 12, Low: 18*4
	Winter	Hours High: 8, Mid: 10, Low: 15*5
Disinfectant element		Stationary type
Water supply and drainage		Water supply tank (capacity approx. 6 litres), drainage tank (capacity approx 2 litres)
Operating noise		db(A) High 49, Mid: 35, Low: 29*2
<b>Specifications with high-performance micro-particle filter mounted</b>		
Model number		AFT-HVW10BG
Particle trapping efficiency	%	Equivalent to 65% by colorimetric essay method (equivalent to 93% by gravimetric method)
Rated airflow	m <sup>3</sup> /min	High: 8, Mid: 4, Low: 2
	db(A)	High: 49, Mid: 35, Low: 29*2

\* Use only tap water for this product. The direct use of well water or purified water may cause malfunction. \*The consumable parts of this product must be replaced at the required intervals to ensure satisfactory operation over a long period of time. For details, please refer to the operating instructions that come with the product. \* The airflow will be reduced when the high-performance micro-particle filter is mounted.

\*1: Be sure to use only tap water (drinking water) for this product. The settings of the product may need to be changed to suit the water quality of some regions. Also the tap water of some regions cannot be directly used. For details, please refer to the operating instructions that come with the product. \*2: Operating noise was measured in an anechoic chamber, with measurements taken 1 metre from the front of the product, and 1 metre above the product. These values have a tendency to increase when the product is installed, due to surrounding noise and vibration. \*3: The continuous operating time was measured with a full water supply tank (6 litres). \*4 Approximate times at room temperature of 27°C and 47% humidity. \*5: Approximate times at room temperature of 20°C and 30% humidity.

# ABC Air Cleaner

## ABC-HP14



### Create a clean atmosphere in your office or home

#### Triple-layer filter

SANYO's filtering system comprises three different filters that guarantee effective air treatment and simple maintenance. The carbon filter ensures deodorising power for the entire air flow.

#### Anti-pollen function

An automatic fan speed function guarantees the effective removal of pollen and spores.

#### Timer

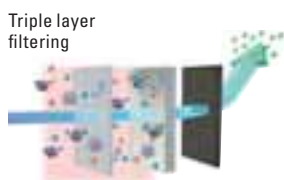
The purifier's shut off may be delayed by 1, 2 or 8 hours, enabling you to enjoy purified and ionised air throughout the night.

#### HEPA filter

Removes and renders inactive 99% of bacteria, dust and spores, and contaminants by means of an antibacterial coating on the filter's surface.

#### Activated charcoal filter

By exploiting the properties of activated charcoal, this filter can effectively absorb and retain odours.



#### Adjustable inclination

The device may be inclined to promote optimal purifying effectiveness.

#### Negative ion generator

Releases a powerful stream of healthy negative ions to revitalise the air, similar to the freshness of an uncontaminated forest or waterfall.

#### Large air inlets

Placed on all sides, the large air inlets effectively reach all corners within the environment.

#### Powerful and quiet airflow

Using the three-speed fan selector, it is possible to select an optimal airflow for your environment and needs.

#### Low power consumption

At minimum speed, power consumption is below 20W - less than that of a table lamp.

MODEL NO.	ABC-HP14	
Applied area	m <sup>2</sup>	25
Fan speed		3
Air circulation	(H/L) m <sup>3</sup> /h	180-36
Power input	(H/L) W	56-19
Dust filter		HEPA Filter & Deodorant Carbon Filter
Delay timer		1 Hour/2 Hour/8 Hour
Dimensions	(HxWxD) mm	430x405x132
Weight	kg	4.1
Power supply		220-240V/1ø 50Hz



Indicates conformation  
with EC Directives



ISO 9001: 2001  
Certificate Number: JQ116B



ISO 14001: 2001  
Certificate Number: ECOOJ0303-33

SANYO reserves the right to make any variation in specification to the equipment described or to withdraw or replace products without prior notification or public announcement. All descriptions, illustrations, drawings and specifications in this publication are given in good faith, but are intended to present only general particulars and shall not form any part of the contract. For full installation details, please contact your SANYO distributor.

#### Rating Conditions

The cooling and heating capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB, Outdoor temperature 35°C DB/24° C WB.

Heating: Indoor temperature 20°C DB, Outdoor Temperature 7°C DB 6°C WB.



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[www.sanyoaircon.eu](http://www.sanyoaircon.eu)

SANYO Air Conditioners. The natural choice.

**SANYO**