



ROOM AIR CONDITIONERS

Introduction

As with all SANYO air conditioning systems, the room air conditioning range, specifically designed for small to medium sized areas, is the result of an extensive research and development programme developed since 1958. Our innovative products are 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. 2, 3 or 4 indoor units can be connected to a single outdoor unit of 5.6kW, 6.8kW or 9.0kW.

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.

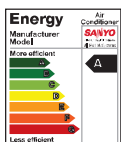
Quiet operation

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.









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.

The SANYO SAP Range

	Inverter systems					
Page	Capacity (kW)		2.65	3.5	5.1	7.1
68	 Shiki Sai Kan Wall mounted units		●	●		
70	 Mini Shiki Sai Kan Wall mounted units		●	●		
71	 KRV Inverter - wall mounted units		●	●	●	●
72	 XR4 4 way cassettes		●	●	●	
73	 F(T)RV Inverter - floor & ceiling mounted units		●	●	●	●
74	 URV Concealed duct		●	●	●	●

	Constant Speed Systems				
Page	Capacity (kW)	2.6	3.5	5.1	6.4
76	 KR Constant Speed - wall mounted units	●	●	●	●
77	 XR Constant Speed - 4 Way cassettes	●	●	●	
78	 FTR Constant Speed - wall & ceiling mounted units	●	●	●	●
79	 UR Constant Speed concealed duct	●	●	●	●

Page	Multi-split systems	
81-87		

Shiki Sai Kan (Aire 75) Wall Mounted Units

SANYO's Shiki Sai Kan model integrates cutting-edge technology including 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
- Sleek & stylish panel design in a choice of 7 designer colours
- Standard version silver
- Super quiet mode: 22 dB(A)
- LED photocatalytic sterilisation function features high performance odour, germ and bacteria filters

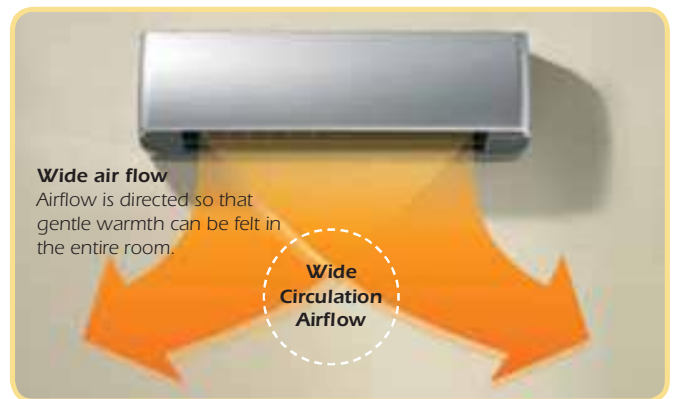
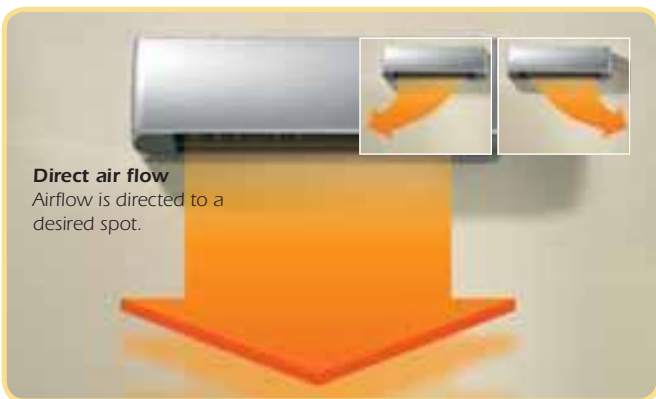
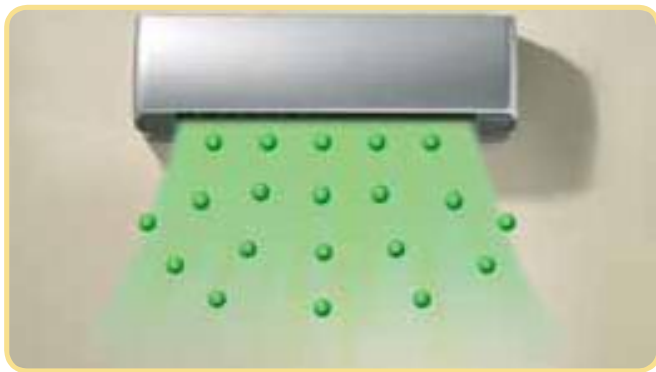
Negative ions generator

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.

*Ion generating power - over 100,000 parts/cc



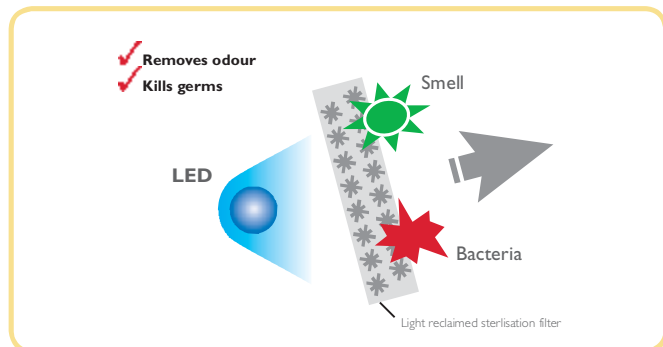
6 colour choices (options)



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

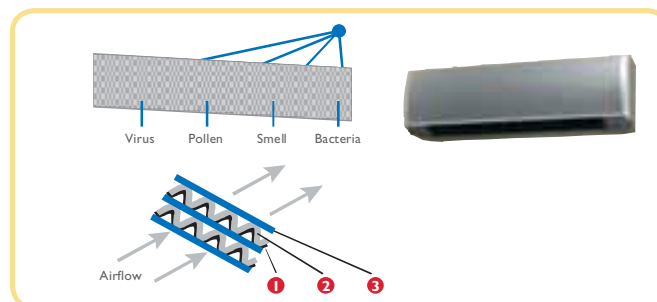
Photocatalytic sterilisation

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

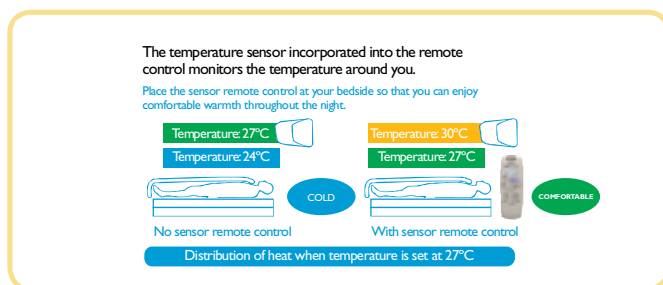


Air clean apatite filter

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, deodorising and dust-collecting sections that maintain healthy, clean air in your room.



Built-in temperature sensor



1 Deodorising layer

- Activated carbon zeolite deodoriser
- Photocatalyst deodoriser

2 Dust collecting layer

- Electrically charged fibre dust collector

3 Antibacterial layer

- Ceramic apatite antibacterial action
- Photocatalyst antibacterial action

		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	A	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 ³ /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	
Dimensions	(HxWxD) mm	300x898x200		300x898x200	
Net weight	kg	12.5		12.5	
Power supply		220-240V/1ϕ 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		220-240V/1ϕ 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			

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

Mini Shiki Sai Kan Wall Mounted Units

R410A

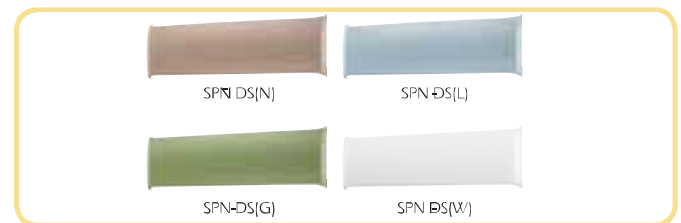
INVERTER
Air Conditioner

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
- Multi-functional remote control with built-in temperature sensor
- Clock with ON/OFF program timer
- Washable front panel
- Low noise levels: 22 dBA (Quiet mode)
- Night set back/economy mode function ensures silent and energy-saving cooling and heating



Simple elegant design with panels available in 4 colour choice options.



		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/AMPs	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 ³ /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-CRV96EHDS	
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	

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

KRV Inverter - Wall Mounted Units

R410A

INVERTER
Air Conditioner

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

- New stylish appearance with flat front panel
- Auto restart after power failure and auto changeover
- Washable and reusable air clean apatite filter
- Infrared remote control with 24-hour clock with on/off program timer
- Cooling & heating operation down to -15°C (size 184 & 244)



		INVERTER HEAT PUMP							
		size 93		size 123		size 184		size 244	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.65 (0.90-3.20)*	3.60 (0.90-5.00)*	3.50 (0.90-3.80)*	4.20 (0.90-5.80)*	5.15 (1.20-5.50)*	6.00 (1.30-6.40)*	7.10 (1.20-8.00)*	8.50 (1.30-9.50)*
Power input	W	250-755-1150	250-995-1340	250-1090-1300	250-1165-1500	250-1500-1800	270-1575-1930	280-2355-2845	290-2490-3150
EER/COP		3.51	3.62	3.21	3.61	3.43	3.81	3.01	3.41
Energy class		A	A	A	A	A	A	B	B
Total	kW	2.55	2.95	3.37	3.52	4.96	5.04	6.84	5.31
Sensible	kW	2.06	-	2.5	-	3.9	-	4.99	-
Running current/AMPS	A	3.9 (1.3-5.9)	4.8 (1.2-6.5)	5.2 (1.2-6.2)	5.5 (1.2-7.1)	7.0 (1.2-8.4)	7.4 (1.3-9.0)	10.7 (1.2-13.6)	11.3 (1.3-15.1)
Indoor Unit		SAP-KRV93EHFP		SAP-KRV123EHFP		SAP-KRV184EHFP		SAP-KRV244EHFP	
Air circulation	(H) m ³ /h	480	530	500	530	890	920	1020	1110
Moisture removal	Litres/h	1.6	-	2.0	-	2.3	-	2.3	-
Sound pressure level	(H/M/L) dB(A)	34/31/28	34/31/28	36/33/29	34/31/29	42/38/30	41/38/30	47/44/41	46/43/40
Dimensions	(HxWxD) mm	285x825x204		285x825x204		298x1065x231		298x1065x231	
Net weight	kg	9		9		12		12	
Power supply		220-240V/1ø 50Hz							
Outdoor Unit		SAP-CRV93EHFP		SAP-CRV123EHFP		SAP-CRV184EH		SAP-CRV244EH	
Sound pressure level	(H) dB(A)	64	65	65	67	69	70	73	74
Sound pressure level	(H) dB(A)	46	47	47	49	51	52	55	56
Dimensions	(HxWxD) mm	548x720x265		548x720x265		670x880x285		740x900x320	
Net weight	kg	34		35		44		59	
Power supply		220-240V/1ø 50Hz							
Installation Data		size 93		size 123		size 184		size 244	
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		10		10	
Amount of additional refrigerant	g/m	15		15		25		25	
Max elevation difference O.U. - I.U.	m	7		7		15		15	
Recommended fuse size	AMP	10		10		16		20	
Communication cables	mm	3 Core + Earth							
Power supply to		Indoor unit		Indoor unit		Outdoor unit		Outdoor unit	

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

XRV Inverter - 4 way cassettes

R410A

INVERTER
Air Conditioner

The XRV DC inverter-driven cassette is designed to fit into standard 600mm x 600mm ceiling grid and is ideal for small commercial and retrofit projects.



- DC inverter technology for precise temperature control
- Auto restart after power failure and auto changeover
- Infrared remote control with 24-hour clock with on/off program timer
- Cooling & heating operation down to -15°C (size 184 only)
- Built-in drain pump gives 250mm lift



		INVERTER HEAT PUMP					
		size 93		size 123		size 184	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.65 (0.90-3.20)*	3.60 (0.90-5.00)*	3.50 (0.90-3.80)*	4.20 (0.90-5.80)*	5.15 (1.20-5.50)*	6.00 (1.30-6.40)*
Power input	W	250-755-1150	250-995-1340	250-1090-1300	250-1165-1500	250-1500-1800	270-1575-1930
EER/COP		3.51	3.62	3.21	3.61	3.43	3.81
Energy class		A	A	A	A	A	A
Total	kW	2.55	3.06	3.37	3.57	4.96	5.1
Sensible	kW	1.8	-	2.77	-	3.86	-
Running current/AMPs	A	3.9 (1.3-5.9)	4.8 (1.2-6.5)	5.2 (1.2-6.2)	5.5 (1.2-7.1)	7.0 (1.2-8.4)	7.4 (1.3-9.0)
Indoor Unit		SAP-XRV93EH		SAP-XRV123EH		SAP-XRV184EH	
Air circulation	(H) m ³ /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		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-CRV93EHFP		SAP-CRV123EHFP		SAP-CRV184EH	
Sound pressure level	(H) dB(A)	64	65	65	67	69	70
Sound pressure level	(H) dB(A)	46	47	47	49	51	52
Dimensions	(HxWxD) mm	548x720x265		548x720x265		670x880x285	
Net weight	kg	34		35		44	
Power supply		220-240V/1ø 50Hz					
Installation Data		size 93		size 123		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		10	
Amount of additional refrigerant	g/m	15		15		25	
Max elevation difference O.U. - I.U.	m	7		7		15	
Recommended fuse size	AMP	10		10		16	
Communication cables	mm			3 Core + Earth			
Power supply to		Indoor unit		Indoor unit		Outdoor unit	

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

F(T)RV Inverter - floor & ceiling mounted units

R410A

INVERTER
Air Conditioner

SANYO's inverter console range provides outstanding performance and energy-saving features as well as a solution to difficult installation situations.

- DC inverter technology for precise temperature control
- Auto restart after power failure and auto changeover
- Cooling & heating operation down to -15°C (size 184 & 244)
- Infrared remote control with 24-hour clock with on/off program timer
- Night set back/economy mode function ensuring energy saving in cooling and heating



		INVERTER HEAT PUMP							
		size 93		size 123		size 184		size 244	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.65 (0.90-3.20)*	3.60 (0.90-5.00)*	3.50 (0.90-3.80)*	4.20 (0.90-5.80)*	5.15 (1.20-5.50)*	6.00 (1.30-6.40)*	7.10 (1.20-8.00)*	8.50 (1.30-9.50)*
Power input	W	250-755-1150	250-995-1340	250-1090-1300	250-1165-1500	250-1500-1800	270-1575-1930	280-2355-2845	290-2490-3150
EER/COP		3.51	3.62	3.21	3.61	3.43	3.81	3.01	3.41
Energy class		A	A	A	A	A	A	B	B
Total	kW	2.55	2.95	3.37	3.52	4.96	5.04	6.84	5.31
Sensible	kW	1.8	-	2.77	-	3.86	-	4.91	-
Running current/AMPs	A	3.9 (1.3-5.9)	4.8 (1.2-6.5)	5.2 (1.2-6.2)	5.5 (1.2-7.1)	7.0 (1.2-8.4)	7.4 (1.3-9.0)	10.7 (1.2-13.6)	11.3 (1.3-15.1)
Indoor Unit		SAP-FRV93EH		SAP-FTRV123EH		SAP-FTRV184EH		SAP-FTRV244EH	
Air circulation	(H) m ³ /h	400		700		800		840	
Moisture removal	Litres/h	1.0	-	1.3	-	2.0	-	2.2	-
Sound pressure level	(H/M/L) dB(A)	43/40/34		43/40/34		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		220-240V/1ø 50Hz							
Outdoor Unit		SAP-CRV93EHFP		SAP-CRV123EHFP		SAP-CRV184EH		SAP-CRV244EH	
Sound pressure level	(H) dB(A)	64	65	65	67	69	70	73	74
Sound pressure level	(H) dB(A)	46	47	47	49	51	52	55	56
Dimensions	(HxWxD) mm	548x720x265		548x720x265		670x880x285		740x900x320	
Net weight	kg	34		35		44		59	
Power supply		220-240V/1ø 50Hz							
Installation Data		size 93		size 123		size 184		size 244	
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		10		10	
Amount of additional refrigerant	g/m	15		15		25		25	
Max elevation difference O.U. - I.U.	m	7		7		15		15	
Recommended fuse size	AMP	10		10		16		20	
Communication cables	mm	3 Core + Earth							
Power supply to		Indoor unit		Indoor unit		Outdoor unit		Outdoor unit	

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

URV Inverter - concealed duct

R410A

INVERTER Air Conditioner

The URV DC inverter-driven ducted unit is ideal for flexible, concealed air conditioning in all types of room air conditioning applications.

- DC inverter technology for precise temperature control
- Auto restart after power failure and auto changeover
- Fresh air knockout
- Infrared remote control with 24-hour clock with on/off program timer
- Built-in drain pump gives 250mm lift



		INVERTER HEAT PUMP							
		size 93		size 123		size 184		size 244	
Performance		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity	kW	2.65 (0.90-3.20)*	3.60 (0.90-5.00)*	3.50 (0.90-3.80)*	4.20 (0.90-5.80)*	5.15 (1.20-5.50)*	6.00 (1.30-6.40)*	7.10 (1.20-8.00)*	8.50 (1.30-9.50)*
Power input	W	250-755-1150	250-995-1340	250-1090-1300	250-1165-1500	250-1500-1800	270-1575-1930	280-2355-2845	290-2490-3150
EER/COP		3.51	3.62	3.21	3.61	3.43	3.81	3.01	3.41
Energy class		A	A	A	A	A	A	B	B
Total	kW	2.55	2.95	3.37	3.52	4.96	5.04	6.84	5.31
Sensible	kW	2.16	-	2.56	-	3.97	-	5.1	-
Running current/AMPS	A	3.9 (1.3-5.9)	4.8 (1.2-6.5)	5.2 (1.2-6.2)	5.5 (1.2-7.1)	7.0 (1.2-8.4)	7.4 (1.3-9.0)	10.7 (1.2-13.6)	11.3 (1.3-15.1)
Indoor Unit		SAP-URV93EH		SAP-URV123EH		SAP-URV184EH		SAP-URV244EH	
Air circulation	(H) m ³ /h	600		600		875		1000	
Moisture removal	Litres/h	0.8		1.5		1.8		2.6	
External static pressure (std/booster)	Pa	50/70		50/70		50/7		50/70	
Sound pressure level (H/M/L)	dB(A)	54/43/40		54/43/40		TBA		TBA	
Dimensions (HxWxD)	mm	266x926x571		266x926x571		266x1058x571		266x1058x571	
Net weight	kg	30		30		35		35	
Power supply		220-240V/1ø 50Hz							
Outdoor Unit		SAP-CRV93EHFP		SAP-CRV123EHFP		SAP-CRV184EH		SAP-CRV244EH	
Sound pressure level (H)	dB(A)	64	65	65	67	69	70	73	74
Sound pressure level (H)	dB(A)	46	47	47	49	51	52	55	56
Dimensions (HxWxD)	mm	548x720x265		548x720x265		670x880x285		740x900x320	
Net weight	kg	34		35		44		59	
Power supply		220-240V/1ø 50Hz							
Installation Data		size 93		size 123		size 184		size 244	
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		10		10	
Amount of additional refrigerant	g/m	15		15		25		25	
Max elevation difference O.U. - I.U.	m	7		7		15		15	
Recommended fuse size	AMP	10		10		16		20	
Communication cables	mm	3 Core + Earth							
Power supply to		Indoor unit		Indoor unit		Outdoor unit		Outdoor unit	

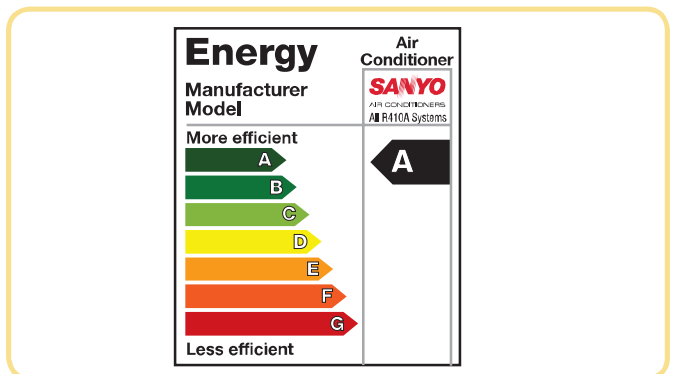
Rating Conditions: **Cooling** Indoor 27°C DB 19°C WB Outdoor 35°C DB 24°C WB **Heating** Indoor 20°C DB Outdoor 7°C DB 6°C WB

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.



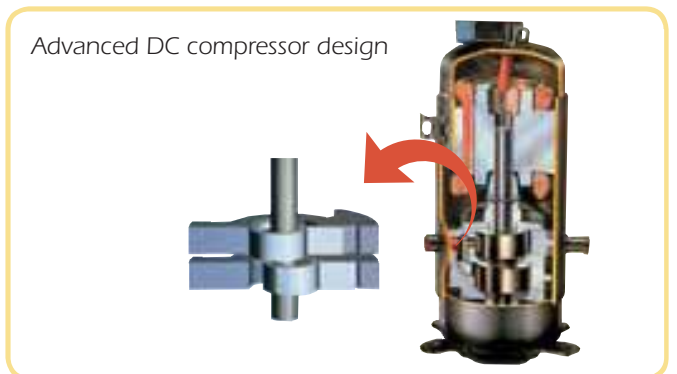
High Energy Efficiency

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.



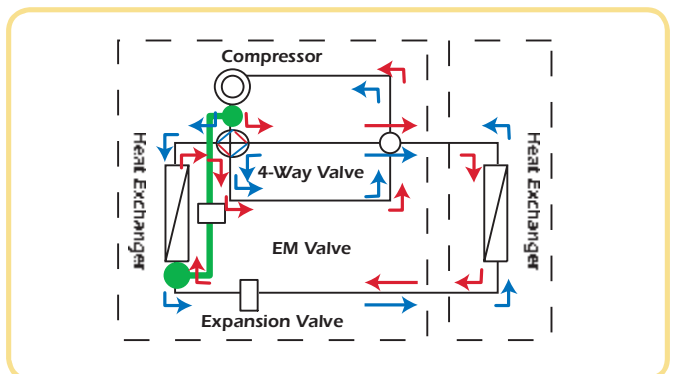
Rapid and accurate temperature control

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.



KR Constant Speed - wall mounted units

R410A

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

- Auto restart after power failure
- Multi-functional wireless remote control with built-in temperature sensor with on/off program timer
- Cold draft prevention
- Quiet mode from 27 dB(A)
- Automatic cooling & heating changeover



		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	4.00	5.15	5.70	6.40	7.20
Power input	W	825	830	1090	1105	1600	1580	2275	2240
EER/COP		3.21	3.61	3.21	3.62	3.22	3.61	2.81	3.21
Energy class		A	A	A	A	A	A	C	C
Total	kW	2.55	2.46	3.37	3.36	4.74	4.67	5.89	5.90
Sensible	kW	2.06	-	2.5	-	3.81	-	4.50	-
Running current/AMPS	A	3.7	3.8	4.9	5.0	7.1	7.0	10.0	9.8
Indoor Unit		SAP-KR94EH		SAP-KR124EH		SAP-KR184EH		SAP-KR224EH	
Air circulation	(H) m ³ /h	480	500	500	530	890	890	980	980
Moisture removal	Litres/h	1.8	-	2.0	-	2.3	-	3.3	3.3
Sound pressure level	(H/M/L) dB(A)	38/33/28	37/32/27	41/34/28	40/33/27	42/39/35	41/38/34	44/40/36	45/41/37
Dimensions	(HxWxD) mm	285x825x189		285x825x189		298x1065x218		298x1065x218	
Net weight	kg	10		10		12		12	
Power supply		220-240V/1ϕ 50Hz							
Outdoor Unit		SAP-CR94EH(A)		SAP-CR124EH(A)		SAP-CR184EH(A)		SAP-CR224EH(A)	
Sound pressure 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		220-240V/1ϕ 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		Outdoor unit		Outdoor unit	

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

XR Constant Speed - 4 way cassettes

R410A

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

- Auto restart after power failure and auto changeover
- Cold draft prevention
- Infrared remote control with 24-hour clock with on/off program timer
- Multidirectional airflow provides uniform airflow throughout the room
- Built-in drain pump gives 250mm lift



		CONSTANT SPEED HEAT PUMP					
		size 94		size 124		size 184	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Performance							
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/AMPS	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 ³ /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 pressure 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	mm	4 Core + Earth		4 Core + Earth		6 Core + Earth	
Power supply to		Indoor unit		Indoor unit		Indoor unit	

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

FTR Constant Speed - wall & ceiling mounted units

R410A

SANYO's online fixed speed FTR range of console units can be mounted on the ceiling or on 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
- Infrared remote control with 24-hour clock with on/off program timer
- Automatic louvre control provides uniform airflow throughout the room



		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/AMPS	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 ³ /h	400		700		800		840	
Moisture removal	Litres/h	1.0	-	1.3	-	2.0	-	2.2	-
Sound pressure level	(H/M/L) dB(A)	43/40/34	43/40/34	47/43/38	47/43/38	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		220-240V/1ø 50Hz							
Outdoor Unit		SAP-CR94EH(A)		SAP-CR124EH(A)		SAP-CR184EH(A)		SAP-CR224EH(A)	
Sound pressure 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		220-240V/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	mm	4 Core + Earth		4 Core + Earth		6 Core + Earth		6 Core + Earth	
Power supply to		Indoor unit		Indoor unit		Indoor unit		Indoor unit	

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

UR Constant Speed - concealed duct

R410A

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

- Auto restart after power failure and auto changeover
- Cold draft prevention - in heating mode
- Fresh air knockout
- Infrared remote control with 24-hour clock with on/off program timer
- Built-in drain pump gives 250mm lift



		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/AMPs	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 ³ /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 pressure 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	

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