

SANYO

AIR CONDITIONERS

Commercial Split Systems

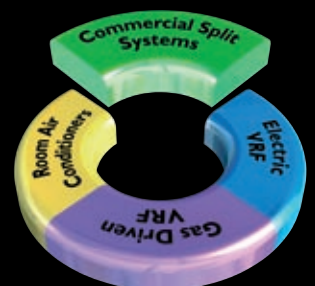


Introducing our most advanced, sophisticated and energy efficient range of commercial air conditioners

The PACi R410A DC Inverter Systems

2006/7 Range

R410A



All round air conditioning by **SANYO**

Introduction

SANYO Air Conditioners is fast approaching 50 years in the air conditioning industry and has earned its reputation as a technical pioneer with several 'world firsts'. It was SANYO who introduced the world's first heat pump air conditioners back in 1960. In the 1980's Sanyo developed the industry's first Gas driven VRF systems and in 1989 we introduced the first 3-pipe VRF system and this, together with our continuous programme of research and development, has ensured that our products remain at the very forefront of innovation.



2006/7 is no exception; we are launching 53 new products throughout the year including many of the most efficient and technologically advanced in the market. In fact efficiency is part of our culture, thanks to our 'Think GAIA' principles, which drive our product design to encompass the wellbeing of not only the environment but our children's future as well.

It is this vision that lies behind the development of the new Aire 75, which offers the highest COP/EER in the UK market. The VRF range of 2 pipe systems is amongst the most efficient in the market, and this, coupled with unrivalled flexibility, makes our VRF systems unbeatable. The 'firsts' don't stop there. 2006 also sees the launch of a complete range of new GHP systems. These new units offer improved efficiency and R410A refrigerant in both heat pump and heat recovery systems.

SANYO - Working for the environment



The Solar Ark - Solar Power Generation Facility

SANYO is constantly researching power sources for tomorrow's new products. High efficiency solar cell technology is just one of the pioneering developments.

Annual electrical output: 530,000kWh










CO² reduction: 95t per annum












Length: 315m

Height: 37m

Number of solar panels: 5046

Indoor and Outdoor units

| Single phase |  |  |  |  |  |
|---|---|---|---|---|---|
| Capacity (kW) | CR184GVH56 5.0 - 5.6 | CR254GVH56 7.5 - 8.0 | CR364GVH56 10.0 - 11.2 | CR484GVH56 12.5 - 14.0 | CR604GVH56 14.0 - 16.0 |
|  Wall - KR | ● | ● | | | |
|  Cassette - XDR | ● | ● | ● | ● | ● |
|  Ceiling - TDR | ● | ● | ● | ● | ● |
|  Ducted - UR | ● | ● | ● | ● | ● |

| Three phase |  |  |  |  |  |  |
|---|---|---|---|--|---|---|
| Capacity (kW) | CR254GVH8 7.5 - 8.0 | CR364GVH8 10.0 - 11.2 | CR484GVH8 12.5 - 14.0 | CR604GVH8 14.0 - 16.0 | C0705H 20.0 - 22.4 | C0905H 25.0 - 28.0 |
|  Wall - KR | ● | | | | | |
|  Cassette - XDR | ● | ● | ● | ● | ● | ● |
|  Ceiling - TDR | ● | ● | ● | ● | ● | ● |
|  Ducted - UR | ● | ● | ● | ● | ● | ● |
|  Ducted - D | ● | ● | ● | ● | ● | ● |

The SPW R410A DC Inverter split systems...

SANYO are proud to introduce new levels of performance and efficiency to the expansion of the DC Inverter product range.

Specifically designed for commercial and retail applications, the ingenious design of the systems not only overcome the limitations associated with the installation of traditional split systems, but also offers the end user improved comfort and drastically reduced power consumption.

- Single or three phase power supply across the range
- One amp start current across the range
- Complete range of indoor units
- Single, twin, triple and quad options
- Systems pre-charged for 30 metres

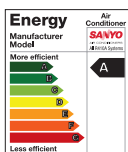
R410A

The SPW DC inverter systems utilise the non-ozone depleting R410A refrigerant which gives increased system performance, increased energy efficiency and improved heat transfer which results in smaller pipe sizes and more compact indoor units.

Wide Capacity Range

DC Inverter controlled compressors have an operating range of 25-90Hz which enables the sine wave to be shortened or lengthened, which either slows the compressor to reduce capacity from the nominal figure (measured at 50Hz) or increases its speed to offer increased output.

Other factors, such as coil size, restrict the maximum output of the system and SANYO would recommend that equipment is always selected at nominal capacity to ensure the optimum lifespan of the equipment.



All SANYO SPW DC inverter system 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.



SPW-CR184GVH56



SPW-CR254GVH56/8
SPW-CR364GVH56/8



SPW-CR484GVH56/8
SPW-CR604GVH56/8

Affordable Technology

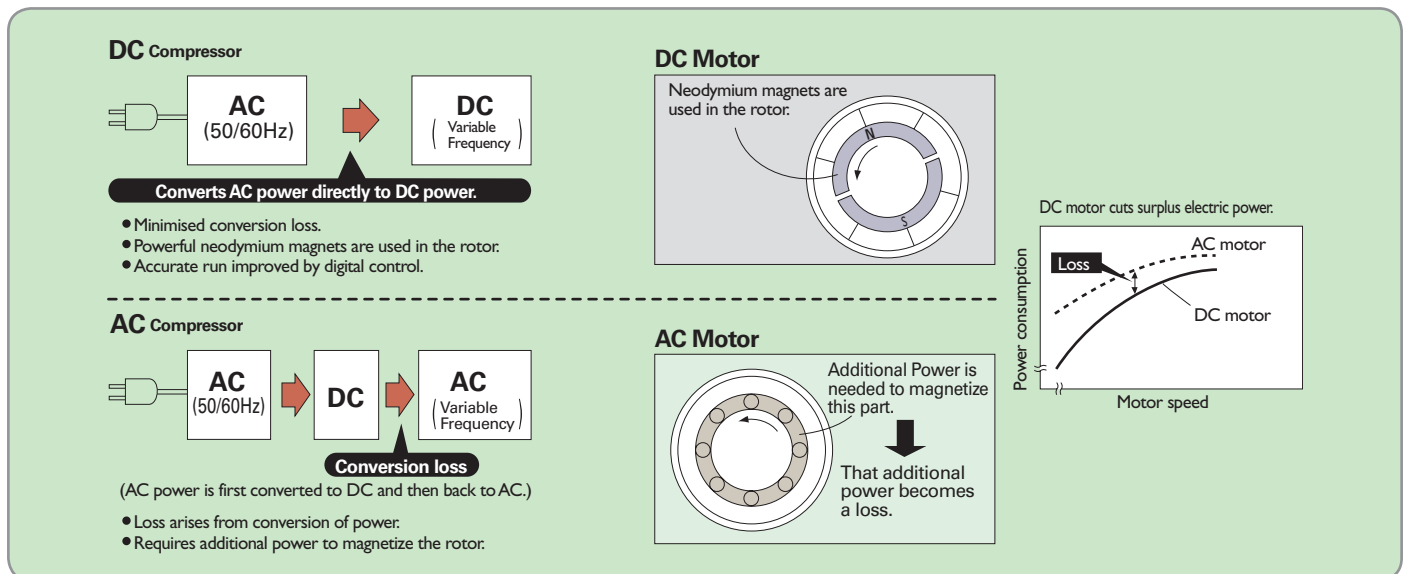
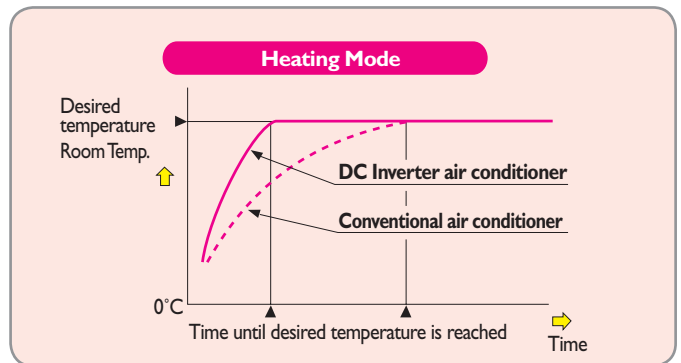
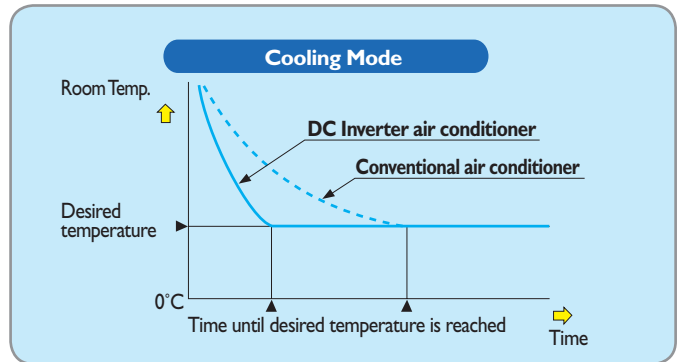
When comparing the COPs of DC Inverter systems (which are stated at 100% capacity) with an equivalent fixed speed system, the improved energy efficiency and consequent lower running costs of the DC inverter can be easily calculated. However, DC Inverters control the room temperature far more precisely, generally operating in part load conditions where the COPs are considerably higher, thereby delivering further substantial energy savings and ensuring that this new technology has an almost immediate payback.



taking inverter technology to a new level of comfort

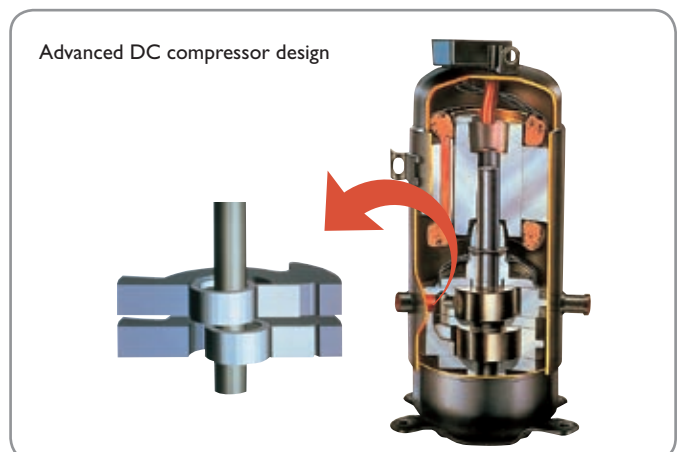
The SPW DC inverters use Advanced Digital Hybrid (ADH) technology for better, smarter and more cost-efficient year-round climate control. Immediately following start up, the DC compressor operates at maximum power to provide almost instant heating or cooling. As the desired air temperature is reached, 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.

The DC motor uses powerful Neodymium magnets, which are approximately 15-20 times stronger than the ferrite magnets used in conventional AC compressors. This, combined with precise digital control gives the SANYO DC compressor an operation rate of 15-20% higher than that of a conventional AC compressor.



Twin rotary

The SPW 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.

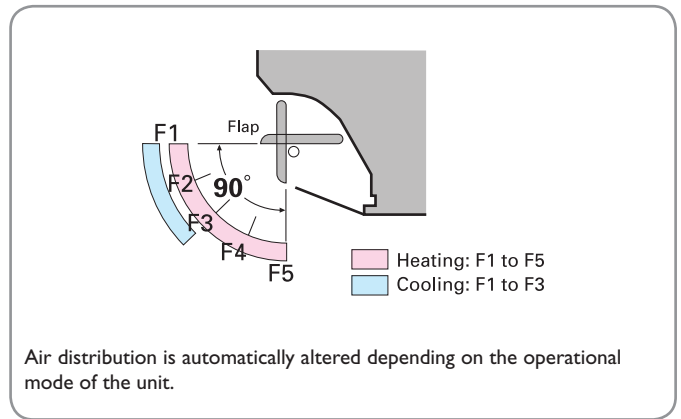


KR wall systems 5.5kW - 7.1kW

The slim-line design of the KR wall mounted unit is smaller, lighter and substantially quieter than previous models. The discharge louvre closes when the unit is not operating to prevent dust and dirt entering.



- Simple, versatile design
- Low operating sound levels from 34 dB(A)
- Single phase electrical supply
- Smaller pipe sizes (3/8, 5/8)
- Twin, triple and quadruple split options



| | | INVERTER HEAT PUMP | | | |
|----------------------------------|---------------|------------------------|----------------|---------------------------------------|----------------|
| | | size 184 | | size 254 | |
| Performance | | Cooling | Heating | Cooling | Heating |
| Capacity | kW | 5.00 | 5.60 | 7.10 | 8.00 |
| Power input | W | 1625 | 1735 | 2360 | 2260 |
| EER/COP | | 3.08 | 3.23 | 3.01 | 3.54 |
| Energy class | | B | C | B | B |
| Running amperes 1ph / 3ph | A | 8.4 | 8.9 | 12.7 / 3.9 | 12.2 / 3.8 |
| Indoor Unit | | SPW-KR184GH56 | | SPW-KR254GH56 | |
| Air-circulation | (H/M/L) m3/h | 780/660/480 | | 1140/960/720 | |
| Sound Pressure Level | (H/M/L) dB(A) | 38/34/30 | | 41/37/34 | |
| Dimensions | (HxWxD) mm | 285x995x203 | | 330x1140x228 | |
| Outdoor Unit | | SPW-CR184GVH56 | | SPW-CR254GVH56 / H8 | |
| Sound Pressure Level | (H/L) dB(A) | 46/43 | 47/43 | 47/45 | 49/45 |
| Dimensions | (HxWxD) mm | 565x790(+70)x285 | | 780x940x340 | |
| Net weight | kg | 40 | | 58 | |
| Power supply* | | 220 - 240V / 1ø 50Hz | | 220 - 240V / 1ø 50Hz 400V / 3ø+N 50Hz | |
| Installation Data | | size 184 | | size 254 | |
| Pipe size suction / discharge | Inches | 1/4 / 1/2 | | 3/8 / 5/8 | |
| Max piping length | m | 40 | | 50 | |
| Precharged piping length | m | 30 | | 30 | |
| Amount of additional refrigerant | g/m | 20 | | 40 | |
| Recommended fuse size | A | 20 | | 20 | |
| Communication cables | mm | 2 core 0.75mm shielded | | | |

* Power supply to outdoor unit. The indoor unit can take its power from the outdoor unit or from a separate supply

XDR 4 way blow cassette systems 5.5kW - 16.0kW

The award winning range of XDR cassettes are smaller, shallower and lighter than previous models and feature a 950mm x 950mm panel throughout. The DC fan motor and new air discharge louvre ensure quiet, optimum air distribution.



- New compact design
- Reduced sound levels
- DC fan motor for increased efficiency

- Powerful drain pump gives 850mm lift
- Smaller pipe sizes (3/8, 5/8) standard throughout range
- Twin, triple and quadruple split options

Improved Airflow

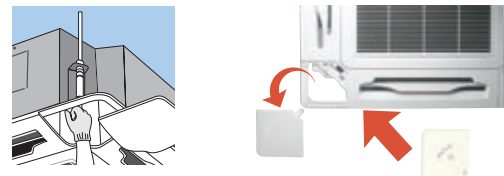


Traditional design

New XDR

The airflow is directed away from the unit to help prevent the smudging effect so often seen on ceiling tiles.

Easy Installation



The removable corners of the panel provide easy access to the drop rods for fine height adjustment. The standard cover can also be replaced with a receiver unit for the optional infra-red remote control.

Simple Maintenance



The airflow is directed away from the unit to help prevent the smudging effect so often seen on ceiling tiles.

Washable Louvres

The discharge louvres can be easily removed for thorough cleaning.



| | | INVERTER HEAT PUMP | | | | | | | | | |
|----------------------------------|---------------|------------------------|---------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|
| | | size 184 | | size 254 | | size 364 | | size 484 | | size 604 | |
| Performance | | Cooling | Heating | Cooling | Heating | Cooling | Heating | Cooling | Heating | Cooling | Heating |
| Capacity | kW | 5.00 | 5.60 | 7.10 | 8.00 | 10.00 | 11.20 | 12.50 | 14.00 | 14.00 | 16.00 |
| Power input | W | 1497 | 1398 | 2130 | 2070 | 3120 | 2960 | 3860 | 3830 | 4610 | 4650 |
| EER/COP | | 3.34 | 4.01 | 3.33 | 3.86 | 3.21 | 3.78 | 3.24 | 3.66 | 3.04 | 3.44 |
| Energy class | | A | A | A | A | A | A | A | A | B | B |
| Running amperes 1ph / 3ph | A | 8.5 | 8.9 | 12.8/4.0 | 12.2/3.8 | 16.3/5.7 | 15.2/5.2 | 20.4/7.2 | 20.2/7.1 | 26.5/9.1 | 24.0/8.2 |
| Indoor Unit | | SPW-XDRI84GH56 | | SPW-XDR254GH56 | | SPW-XDR364GH56 | | SPW-XDR484GH56 | | SPW-XDR604GH56 | |
| Air-circulation | (H/M/L) m3/h | 960/840/780 | | 1200/960/840 | | 1680/1380/1260 | | 1980/1500/1320 | | 2040/1620/1380 | |
| Sound Pressure Level | (H/M/L) dB(A) | 31/29/27 | | 34/31/28 | | 39/36/33 | | 42/38/34 | | 44/40/36 | |
| Dimensions - Unit | (HxWxD) mm | 256x840x840 | | 256x840x840 | | 319x840x840 | | 319x840x840 | | 319x840x840 | |
| Outdoor Unit | | SPW-CRI84GVH56 | | SPW-CR254GVH56/H8 | | SPW-CR364GVH56/H8 | | SPW-CR484GVH56/H8 | | SPW-CR604GVH56/H8 | |
| Sound Pressure Level | (H/L) dB(A) | 46/43 | 47/43 | 47/45 | 49/45 | 51/45 | 52/45 | 52/45 | 53/45 | 53/45 | 54/45 |
| Dimensions | (HxWxD) mm | 565x790(+70)x285 | | 780x940x340 | | 780x940x340 | | 1230x940x340 | | 1230x940x340 | |
| Net weight | kg | 40 | | 58 | | 65 | | 100 | | 100 | |
| Power supply* | | 220 - 240V / 1ø 50Hz | | | | 220 - 240V / 1ø 50Hz | | 400V / 3ø+N 50Hz | | | |
| Installation Data | | size 184 | | size 254 | | size 364 | | size 484 | | size 604 | |
| Pipe size suction / discharge | Inches | 1/4 / 1/2 | | 3/8 / 5/8 | | 3/8 / 5/8 | | 3/8 / 5/8 | | 3/8 / 5/8 | |
| Max piping length | m | 40 | | 50 | | 50 | | 50 | | 50 | |
| Precharged piping length | m | 30 | | 30 | | 30 | | 30 | | 30 | |
| Amount of additional refrigerant | g/m | 20 | | 40 | | 40 | | 40 | | 40 | |
| Recommended fuse size | A | 20 | | 20 | | 32 | | 32 | | 40 | |
| Communication cables | mm | 2 core 0.75mm shielded | | | | | | | | | |

* Power supply to outdoor unit. The indoor unit can take its power from the outdoor unit or from a separate supply

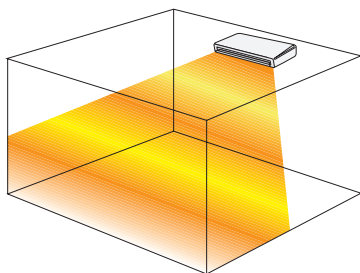
TDR ceiling systems 5.5kW - 16.0kW

The newly designed range of TDR ceiling mounted systems, feature a DC fan motor for increased efficiency and reduced operating sound levels. All the units are the same height and depth for a uniform appearance in mixed installations and feature a fresh air knockout for improved air quality.

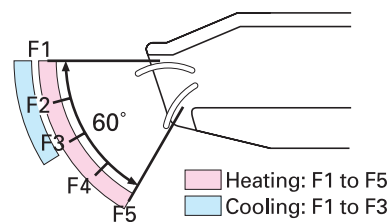
- New design, all units just 210mm high
- Large and wide air distribution
- Industry low sound levels



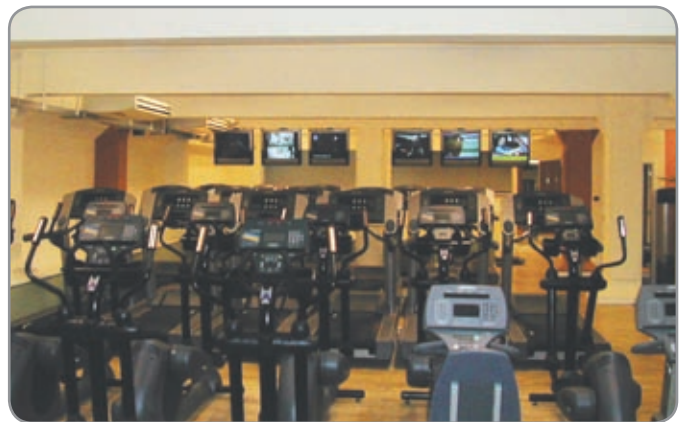
- Smaller pipe sizes (3/8, 5/8) standard throughout range
- Twin, triple and quadruple split options



The wide air discharge opening ensures that a comfortable temperature is achieved throughout the room.



Air distribution is automatically altered depending on the operational mode of the unit.



| | | INVERTER HEAT PUMP | | | | | | | | | |
|----------------------------------|---------------------------|------------------------|---------|-------------------|------------|----------------------|------------|-------------------|------------|-------------------|------------|
| | | size 184 | | size 254 | | size 364 | | size 484 | | size 604 | |
| Performance | | Cooling | Heating | Cooling | Heating | Cooling | Heating | Cooling | Heating | Cooling | Heating |
| Capacity | kW | 5.30 | 5.60 | 7.10 | 8.00 | 10.00 | 11.20 | 12.50 | 14.00 | 14.00 | 16.00 |
| Power input | W | 1801 | 1669 | 2350 | 2250 | 3290 | 3050 | 4120 | 4070 | 5250 | 4750 |
| EER/COP | | 2.78 | 3.36 | 3.02 | 3.56 | 3.04 | 3.67 | 3.03 | 3.44 | 2.67 | 3.36 |
| Running amperes 1ph / 3ph | A | 8.5 | 9.0 | 12.8 / 4.1 | 12.3 / 4.0 | 16.2 / 5.8 | 15.1 / 5.4 | 20.3 / 7.1 | 20.0 / 7.0 | 26.6 / 9.2 | 24.2 / 8.4 |
| Indoor Unit | | SPW-TDR184GVH56 | | SPW-TDR254GVH56 | | SPW-TDR364GVH56 | | SPW-TDR484GVH56 | | SPW-TDR604GVH56 | |
| Air-circulation | (H/M/L) m ³ /h | 780/660/540 | | 1100/900/840 | | 1650/1380/1200 | | 1800/1560/1320 | | 1920/1620/1380 | |
| Sound Pressure Level | (H/M/L) dB(A) | 36/33/30 | | 38/36/33 | | 41/38/35 | | 43/40/37 | | 45/41/38 | |
| Dimensions | (HxVxD) mm | 210x910x680 | | 210x1180x680 | | 210x1595x680 | | 210x1595x680 | | 210x1595x680 | |
| Outdoor Unit | | SPW-CR184GVH56 | | SPW-CR254GVH56/H8 | | SPW-CR364GVH56/H8 | | SPW-CR484GVH56/H8 | | SPW-CR604GVH56/H8 | |
| Sound Pressure Level | (H/L) dB(A) | 46/43 | 47/43 | 47/45 | 49/45 | 51/45 | 52/45 | 52/45 | 53/45 | 53/45 | 54/45 |
| Dimensions | (HxVxD) mm | 565x790(+70)x285 | | 780x940x340 | | 780x940x340 | | 1230x940x340 | | 1230x940x340 | |
| Net weight | kg | 40 | | 58 | | 65 | | 100 | | 100 | |
| Power supply* | | 220 - 240V / 1ø 50Hz | | | | 220 - 240V / 1ø 50Hz | | 400V / 3ø+N 50Hz | | | |
| Installation Data | | size 184 | | size 254 | | size 364 | | size 484 | | size 604 | |
| Pipe size suction / discharge | Inches | 1/4 / 1/2 | | 3/8 / 5/8 | | 3/8 / 5/8 | | 3/8 / 5/8 | | 3/8 / 5/8 | |
| Max piping length | m | 40 | | 50 | | 50 | | 50 | | 50 | |
| Precharged piping length | m | 30 | | 30 | | 30 | | 30 | | 30 | |
| Amount of additional refrigerant | g/m | 20 | | 40 | | 40 | | 40 | | 40 | |
| Recommended fuse size | A | 20 | | 20 | | 32 | | 32 | | 40 | |
| Communication cables | mm | 2 core 0.75mm shielded | | | | | | | | | |

* Power supply to outdoor unit. The indoor unit can take its power from the outdoor unit or from a separate supply

D range high static ducted systems 20.0kW - 28.0kW

The D range high static ducted systems are the ideal solution for flexible, concealed air conditioning of large areas such as retail and entertainment projects.



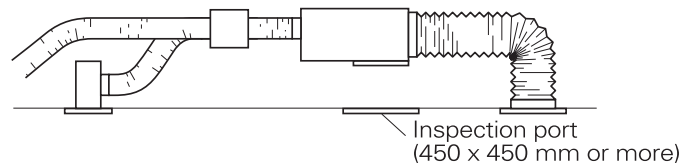
- Up to 100m of pipe work
- Cooling and heating down to -15°C
- High efficiency and small compressor
- Twin, triple and quadruple split options
- High external static pressure on fan
- Multi-functional wireless remote control or control with 7-day timer clock
- Auto restart after power failure



The D range of high capacity ducted units make an ideal solution when heating or cooling large open plan areas such as car showrooms, theatres, studio and similar applications. The high static pressure (215pa - size 905) makes the use of extended ductwork practicable, which allows the indoor unit to be concealed within a suitable area of the building.

System example

An inspection port (450mm x 450mm or more) is required at the lower side of the indoor unit body. Distributor (field supply)

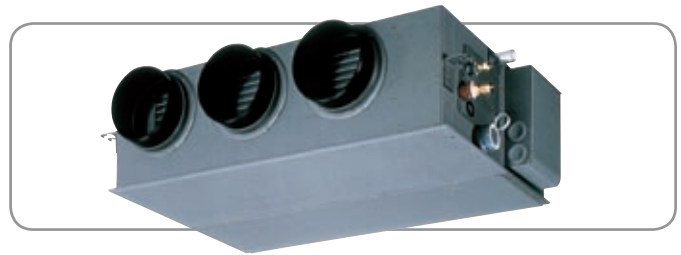


| | | CONSTANT SPEED HEAT PUMP | | | |
|----------------------------------|---------------|--------------------------|---------|--------------------|---------|
| | | size 705 | | size 905 | |
| Performance | | Cooling | Heating | Cooling | Heating |
| Capacity | kW | 20.00 | 22.40 | 25.00 | 28.00 |
| Power input | W | 7150 | 7370 | 10080 | 10170 |
| EER/COP | | 2.80 | 3.04 | 2.48 | 2.75 |
| Running amperes | A | 14.8 | 15.2 | 21.1 | 21.2 |
| Indoor Unit | | SPW-D0705H8 | | SPW-D0905H8 | |
| Air-circulation | (H/M/L) m3/h | 3360/3186/2976 | | 4320/4200/3960 | |
| Sound Pressure Level | (H/M/L) dB(A) | 48/47/46 | | 51/50/49 | |
| Dimensions | (HxWxD) mm | 467x1428x1230 | | 467x1428x1230 | |
| Outdoor Unit | | SPW-C0705H8 | | SPW-C0905H8 | |
| Sound Pressure Level | (H/L) dB(A) | 54.5/49.5 | | 55.0/50.0 | |
| Dimensions | (HxWxD) mm | 1543x890(+75)x890 | | 1543x890(+75)x890 | |
| Net weight | kg | 276 | | 276 | |
| Power supply* | | 400V / 3ø+N 50Hz | | | |
| Installation Data | | size 705 | | size 905 | |
| Pipe size suction / discharge | Inches | 1/2 / 7/8 | | 1/2 / 1 1/8 | |
| Max piping length | m | 100 | | 100 | |
| Precharged piping length | m | 30 | | 30 | |
| Amount of additional refrigerant | g/m | 80 | | 80 | |
| Recommended fuse size | A | 32 | | 32 | |
| Communication cables | mm | 2 core 0.75mm shielded | | | |

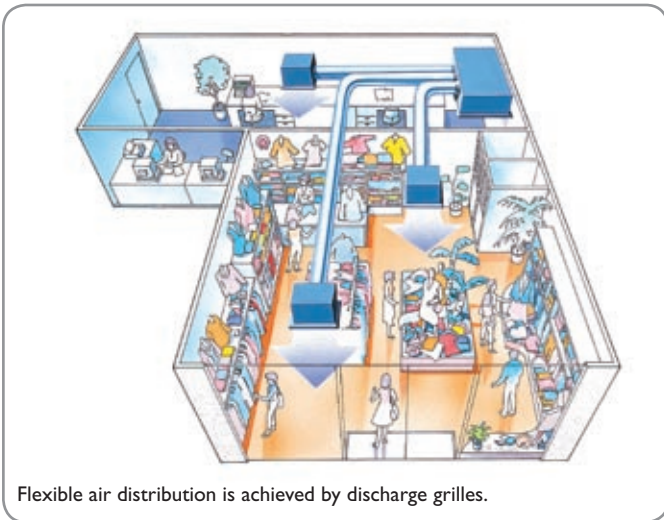
* Power supply to outdoor unit. The indoor unit can take its power from the outdoor unit or from a separate supply

UR ducted systems 5.5kW - 16.0kW

The UR ducted systems are the ideal solution for flexible, concealed air conditioning and the standard 200mm spigots ensure simple, hassle free connection to spiral ductwork.



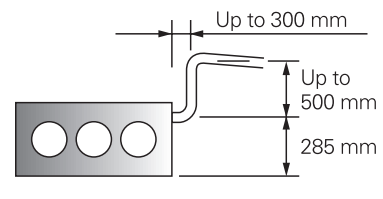
- Extremely quiet operation from 27dB(A)
- Integrated drain pump gives 785mm lift
- Auto restart after power failure
- Auto changeover
- Air off sensor avoids 'cold air dumping'
- Twin, triple and quadruple split options



Flexible air distribution is achieved by discharge grilles.

| Indoor Unit Size | Pa | 254 | 364 | 484 |
|--------------------|----|-----|-----|-----|
| Standard | Pa | 50 | 79 | 78 |
| With booster cable | Pa | 92 | 122 | 113 |

The static pressure can be increased by using a booster cable which is particularly useful should the ductwork layout be changed after the initial installation.



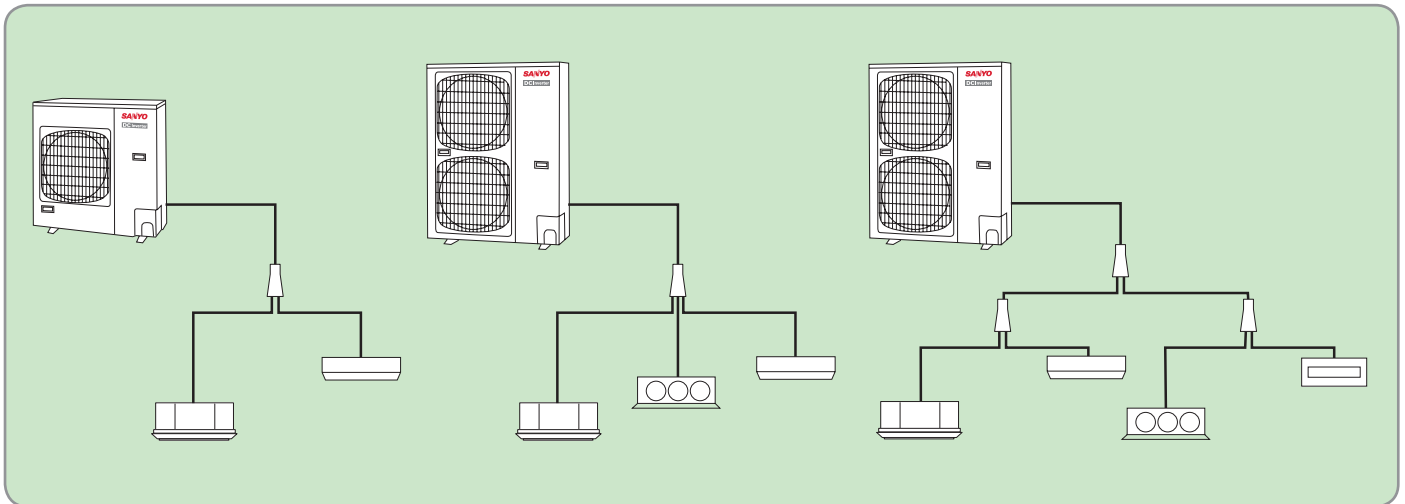
The new powerful built-in drain pump has an improved lift of 785mm.

| | | INVERTER HEAT PUMP | | | | | | | | | |
|----------------------------------|---------------|------------------------|---------|-------------------|------------|----------------------|------------|-------------------|------------|-------------------|------------|
| | | size 184 | | size 254 | | size 364 | | size 484 | | size 604 | |
| Performance | | Cooling | Heating | Cooling | Heating | Cooling | Heating | Cooling | Heating | Cooling | Heating |
| Capacity | kW | 5.00 | 5.60 | 7.10 | 8.00 | 10.00 | 11.20 | 12.50 | 14.00 | 14.00 | 16.00 |
| Power input | W | 1843 | 1831 | 2490 | 2380 | 3530 | 3280 | 4340 | 4290 | 5060 | 4980 |
| EER/COP | | 2.71 | 3.06 | 2.85 | 3.36 | 2.83 | 3.36 | 2.88 | 3.26 | 2.77 | 3.21 |
| Running amperes 1ph / 3ph | A | 8.7 | 9.1 | 13.3 / 4.6 | 12.7 / 4.4 | 17.1 / 6.7 | 16.0 / 6.2 | 21.1 / 7.9 | 20.7 / 7.8 | 27.1 / 9.7 | 24.7 / 8.9 |
| Indoor Unit | | SPW-UR184GH56 | | SPW-UR254GH56 | | SPW-UR364GH56 | | SPW-UR484GH56 | | SPW-UR604GH56 | |
| Air-circulation | (H/M/L) m3/h | 720/630/540 | | 1080/900/780 | | 1800/1560/1260 | | 1980/1560/1320 | | 2040/1620/1440 | |
| External static pressure | (H) Pa | 40 (62) | | 50 (92) | | 79 (122) | | 78 (113) | | 78 (113) | |
| Sound Pressure Level | (H/M/L) dB(A) | 30/28/25 | | 34/30/27 | | 38/33/31 | | 40/37/33 | | 45/42/38 | |
| Dimensions | (HxWxD) mm | 310x700x630 | | 310x1000x630 | | 310x1480x630 | | 310x1480x630 | | 310x1480x630 | |
| Outdoor Unit | | SPW-CR184GVH56 | | SPW-CR254GVH56/H8 | | SPW-CR364GVH56/H8 | | SPW-CR484GVH56/H8 | | SPW-CR604GVH56/H8 | |
| Sound Pressure Level | (H/L) dB(A) | 46/43 | 47/43 | 47/45 | 49/45 | 51/45 | 52/45 | 52/45 | 53/45 | 53/45 | 54/45 |
| Dimensions | (HxWxD) mm | 565x790(+70)x285 | | 780x940x340 | | 780x940x340 | | 1230x940x340 | | 1230x940x340 | |
| Net weight | kg | 40 | | 58 | | 65 | | 100 | | 100 | |
| Power supply* | | 220 - 240V / 1ø 50Hz | | | | 220 - 240V / 1ø 50Hz | | 400V / 3ø+N 50Hz | | | |
| Installation Data | | size 184 | | size 254 | | size 364 | | size 484 | | size 604 | |
| Pipe size suction / discharge | Inches | 1/4 / 1/2 | | 3/8 / 5/8 | | 3/8 / 5/8 | | 3/8 / 5/8 | | 3/8 / 5/8 | |
| Max piping length | m | 40 | | 50 | | 50 | | 50 | | 50 | |
| Precharged piping length | m | 30 | | 30 | | 30 | | 30 | | 30 | |
| Amount of additional refrigerant | g/m | 20 | | 40 | | 40 | | 40 | | 40 | |
| Recommended fuse size | A | 20 | | 20 | | 32 | | 32 | | 40 | |
| Communication cables | mm | 2 core 0.75mm shielded | | | | | | | | | |

* Power supply to outdoor unit. The indoor unit can take its power from the outdoor unit or from a separate supply

Multi systems 7.1kW – 16.0kW

| Outdoor unit | Performance | | Combination | | |
|----------------------------|-------------|---------|-------------|---------|---------|
| | Cooling | Heating | TWIN | TRIPLE | QUAD |
| SPW-CR254 - Inverter Model | 7.10 | 8.00 | 124 x 2 | | |
| SPW-CR364 - Inverter Model | 10.00 | 11.20 | 184 x 2 | | |
| SPW-CR484 - Inverter Model | 12.50 | 14.00 | 254 x 2 | 164 x 3 | 124 x 4 |
| SPW-CR604 - Inverter Model | 14.00 | 16.00 | | 184 x 3 | 164 x 4 |



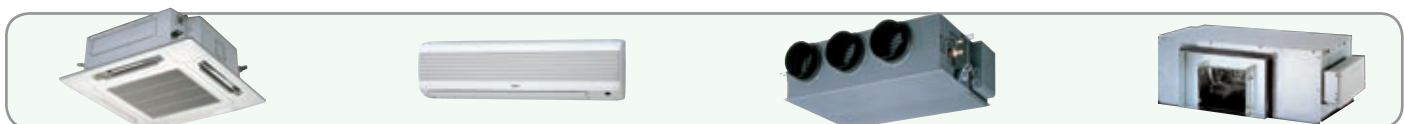
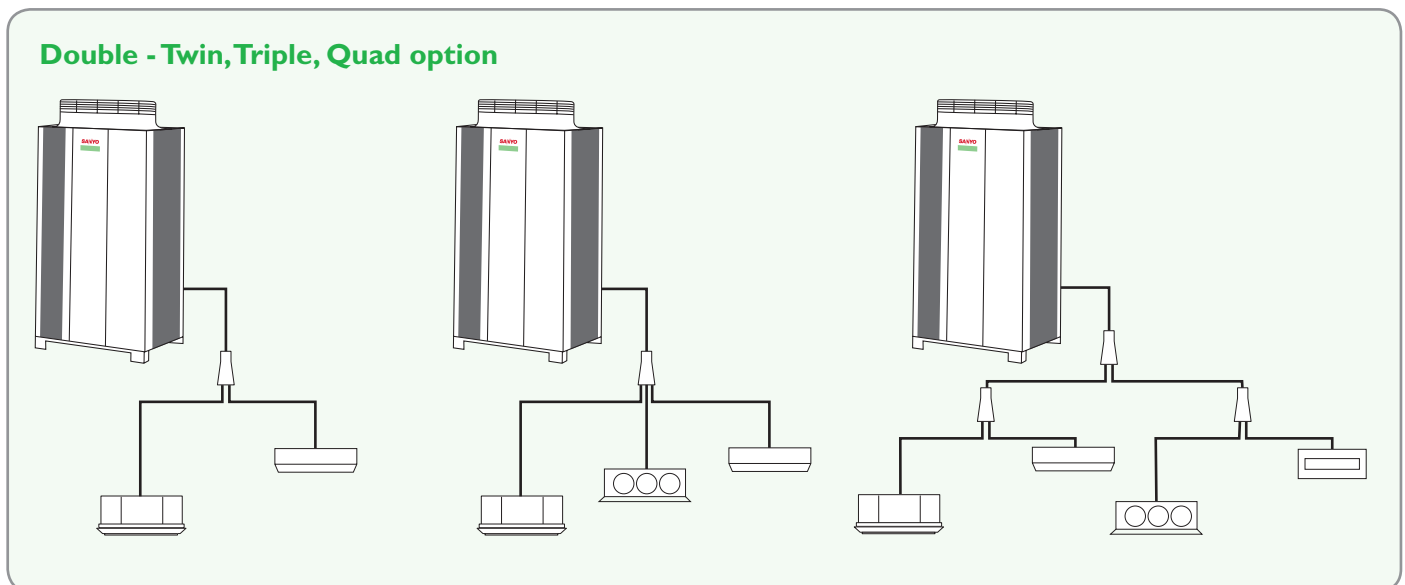
The SPW DC Inverter system is the ideal versatile solution for air conditioning irregularly shaped or open plan areas as two, three or four indoor units can operate in multi-split configuration from a single outdoor unit.

Any combination of indoor unit style with a common capacity, can operate in a single mode to provide an economical solution where effective air distribution is required.

Larger capacity systems

| Outdoor unit | Performance | | Combination | | |
|----------------------------------|-------------|---------|-------------|---------|---------|
| | Cooling | Heating | TWIN | TRIPLE | QUAD |
| SPW-CO705 - Constant Speed Model | 20.00 | 22.40 | 364 x 2 | 254 x 3 | 184 x 4 |
| SPW-CO905 - Constant Speed Model | 25.00 | 28.00 | 484 x 2 | 364 x 3 | 254 x 4 |

Double - Twin, Triple, Quad option



Controller Options



The **RCS-TM80BG** standard wired remote controller is ideally suited for most commercial applications. Allowing for mode, room temperature and time schedules to be easily set up and adjusted by an end user.

- Standard individual controller also allows group control of up to 8 units and 24 hour timer
- 7 day programmable with set back
- Full self diagnosis facility with detailed performance history



The **Wireless remote controller - RCS-SH80AG.WL / RCS-TH80AG.WL / RCS-BH80AG.WL / RCS-TRP80AG.WL / RCS-SH80ANG.WL \ RCS-SH1AG.**

- Standard individual controller also allows group control of up to 8 units
- Allows for combinations of indoor units to be controlled from 1 infrared remote control handset
- Up to 2 remote controllers can be connected per group



The **RCS-KRIAG** simplified remote control is ideal for areas where limited access to the control functions of a system is desired such as open plan offices or hotel bedrooms.

- Standard individual controller also allows group control of up to 8 units
- Includes built-in air temperature sensor
- Up to 2 remote controllers can be connected per group



The **SHA-TM64AG** weekly timer enables the control of up to 8 groups with a maximum of 64 indoor units. It can be used in conjunction with all room controllers.

- 7 day timer with 3 operations per day
- The controller can be used in conjunction with SHA-KC64AG for group control
- Temporary cancellation of the time schedule is possible



The **SHA-KC64AG** system controller provides overall system management of up to 64 indoor units in 4 zones. It can be used in conjunction with all room controllers.

- 3 levels of prohibitive control restricts local functionality of room controllers
- Common alarm and operation outputs
- 2 system controllers can be installed on a single 'S net' network system



The **Touch Screen web enabled controller - SHA-KT256AG** enables a 'S net' network system to be connected to the Internet via an IP address with up to 256 indoor units.

- Schedule operation of zone, tenant, and units in a group
- Tenant billing for cooling or heating consumed over a time period
- Use of Schedule timer is possible for remote time control over a number of indoor units



The **Lon Works or BACNET interface - SHA-LNI6UN** acts as a gateway for other control systems to manage the set points and time schedule of a SANYO 'S net' network.

- Enables start/ stop of a group or entire system
- Allows for the emergency stop of an entire system
- Transmits the alarm status of a group or individual unit

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



Indicates conformation with EC Directives



ISO 9001:2001
Certificate Number: JQ1168



ISO 14001:2001
Certificate Number: ECOJ0303-33



SANYO

AIR CONDITIONERS

www.sanyoaircon.com