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## Introducing Commercial Split-Systems

The perfect solution for today's market.

Designed to meet all the needs of an environmentally focused market place, the SANYO PACi range offers a product to meet all applications.

One of the most extensive ranges in the industry the PACi range of Commercial Split Systems offer a perfect mix-match combination.

- System capacities: 7 sizes from 5kW – 25kW
- Performance: 2 options Classic and Elite
- Power supply: single and 3 phase
- Indoor unit combinations: 1:1, 2:1, 3:1, 4:1
- Indoor unit type: 8 types for air to air
- Heating: air to water heat pump range included
- Over 100 total combinations



## High Performance SPW R410A DC Inverter Split Systems

Only recently SANYO's experienced design engineers have gone back to the drawing board and completely overhauled our range of Commercial Split Systems. After extensive research and development we have unveiled the Elite PACi. With its advanced features and superior design, the Elite PACi is one of the top performing split systems in the industry.



The expanded range of Commercial Split System is of superior performance and quality, providing more choice for customers.

Specifically designed for commercial and retail applications, the ingenious design of the systems not only overcomes 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
- Low start current of indoor units
- Single, twin, triple and quad options
- Systems pre-charged for 30 metres
- Pipe runs up to 100 metres

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.

### Range extends from 5kW through to 25kW

The Elite PACi benefits from increased performance and efficiency, with COP ratings that are some of the highest in the industry. For higher capacities, SANYO's Big PACi is a newly compact design with a twin fan, saving valuable installation space compared to traditional 8-10HP systems.

### Wide capacity range

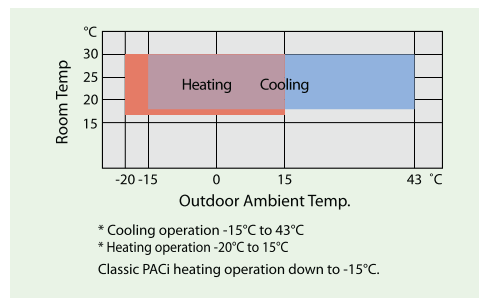
DC inverter-controlled compressors have an operating range of 25-90Hz, which enables the sine wave to be shortened or

lengthened, either slowing the compressor to reduce capacity for the nominal figure (measured at 50Hz) or increasing 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.

### 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.



Operation range

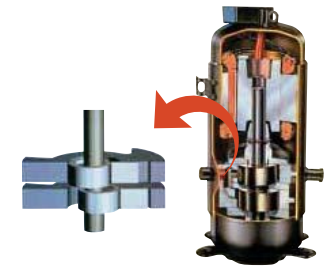
### Taking inverter technology to a new level of comfort

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 15-20% higher than that of a conventional AC compressor.

### Twin rotary compressor

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.

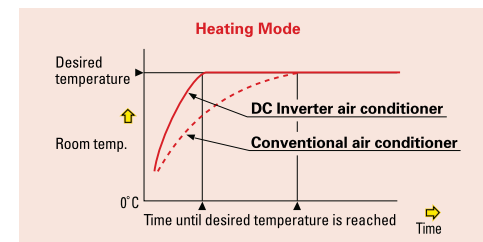
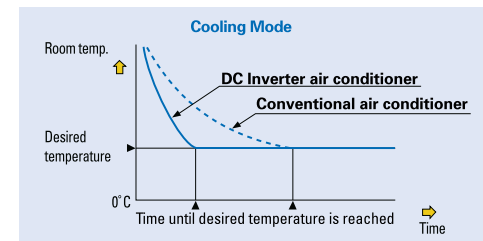


### Wide range of indoor units












Not only have the PACi range of outdoor units been completely overhauled, but also our range of indoor units are perfect for a wide variety of applications.

All these units are high-performance and 'feature rich' - just as you would expect from SANYO. They are also designed with the needs of the installer as well as the end user in mind, making installation and maintenance a breeze.

All SANYO SPW DC inverter systems 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.



## Indoor units

Capacity cooling/heating	Class	18		25		36		48		60		70		90		Functions														
		kW	BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h															
<b>X type</b>		5,00	17,000	5,60	19,000	7,10	24,000	8,00	27,000	10,00	34,000	11,20	38,000	12,50	42,500	14,00	48,000	14,00	48,000	16,00	54,500	20,00	68,200	22,40	76,400	25,00	85,300	28,00	95,500	   
<b>U type</b>				SPW-U185H		SPW-U255H		SPW-U365H		SPW-U485H		SPW-U605H																		
<b>T type</b>				SPW-T185H		SPW-T255H		SPW-T365H		SPW-T485H		SPW-T605H																	  	
<b>K type</b>				SPW-K186H		SPW-K256H		SPW-K366H																					 	
<b>XM type</b>				SPW-XM185H Panel PNR-XM185																									   	
<b>US type</b>				SPW-US185H																									 	
<b>FTR type</b>				SPW-FTR184EH56B																										
<b>D type</b>																								SPW-D705H		SPW-D905H				

 Long life filter
  Built-in drain pump
  Automatic flap
  Automatic swing

## Outdoor units

Capacity cooling/heating	HP Class	2		3		4		5		6		8		10	
		18	25	36	48	60	70	90	10	10					
<b>Elite PACi</b>															
1 phase: 220-240V; 50/60Hz		SPW-C186VEH	SPW-C256VEH	SPW-C366VEHN	SPW-C486VEHN	SPW-C606VEHN									
3 phase: 380-415V; 50Hz			SPW-C256VEH8	SPW-C366VEH8	SPW-C486VEH8	SPW-C606VEH8	SPW-C706VH8	SPW-C906VH8							
<b>Classic PACi</b>															
1 phase: 220-240V; 50/60Hz		SPW-CR184GVH56B	SPW-C256VH	SPW-C366VH	SPW-C486VH	SPW-CR604GVH56C									
3 phase: 380-415V; 50Hz			SPW-C256VH8	SPW-C366VH8	SPW-C486VH8	SPW-C606VH8									

## Elite PACi for high efficiency and top performance

The great designed and engineered Elite PACi is one of the top performers of its type in the industry. Especially designed for light commercial projects where efficiency and performance must not be compromised, the Elite PACi boasts many advanced features. SANYO's DC inverter technology offers outstanding heating and cooling power with quieter operation and energy-saving.



- Newly designed heat exchanger and outdoor fan means that COP ratings are some of the highest in the industry
- Piping length has been increased by 40% to 70m
- Reduced refrigerant charge to help comply with F-Gas regulations
- Now operates at temperatures as low as -20°C in heating and cooling mode
- Compact and lightweight design for ease of installation
- Available in single phase and three phase
- Very quiet operation with sounds levels from just 53 dB(A)
- Ideal for enhancing the air quality in shops, restaurants and other businesses
- Up to 4 indoor units can be fitted on multi-split systems
- Now 8 different styles of indoor units to provide more flexibility for different applications

### Quick start up - takes half the time to reach cool or warm air

SANYO DC inverter technology has efficient rapid heating and cooling capacity which is produced by variable compressor rotation speed; it ensures quicker control of room temperature than conventional air conditioners.

### High efficiency

Elite PACi uses a twin rotary compressor. The dual rotors revolve smoothly in a well-balanced fashion for stable and efficient performance. This contributes to increased comfort and rapid heating and cooling as well as ultra-quiet operation.

Elite line up						
HP	2	3	4	5	6	
Class	18	25	36	48	60	
<b>1phase model (220-240V,50/60Hz)</b>	<b>SPW-C186VEH</b>	<b>SPW-C256VEH</b>	<b>SPW-C366VEHN</b>	<b>SPW-C486VEHN</b>	<b>SPW-C606VEHN</b>	
Dimension (HxLxD) mm	569x790x285	780x940x340	1330x940x410	1330x940x410	1330x940x410	
Net weight kg	41	54	90	95	95	
Power Input (Cool/Heat) W	1290/1430	1950/2150	2500/2800	3570/3660	4370/4430	
Sound pressure level (H) (Cool/Heat) db(A)	46/47	46/48	52/53	53/54	54/56	
Max. piping length m	40	50	70	70	70	
Tube diameter mm (in)	6,35(1/4)/12,7(1/2)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	
<b>3phase model (380-415V; 50Hz)</b>	-	<b>SPW-C256VEH8</b>	<b>SPW-C366VEH8</b>	<b>SPW-C486VEH8</b>	<b>SPW-C606VEH8</b>	
Dimension (HxLxD) mm	-	780x940x340	1330x940x410	1330x940x410	1330x940x410	
Net weight kg	-	65	95	96	96	
Power Input (Cool/Heat) W	-	2090/2140	2490/2800	3570/3660	4310/4430	
Sound pressure level (H) (Cool/Heat) db(A)	-	47/49	52/53	53/54	54/56	
Max. piping length m	-	50	70	70	70	
Tube diameter mm (in)	-	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	

Specifications subject to change without notice. The table lists the X type of indoor units as representative models. For details on the connection of indoor units other than the X type, refer to the technical data

## Classic PACi for economy and value

SANYO's Classic PACi is the perfect solution for projects which demand quality on a limited budget. With high quality design and engineering, the Classic PACi offers reliability and robust operation. In addition, its compact size and light weight make it ideal for installations with limited space including small commercial and residential applications.



- New single fan design
- SANYO DC inverter compressor
- Quality design and engineering
- Compact size saving valuable footprint
- Lightweight
- Great value and reliability at a low capital cost
- Available in five sizes (2, 3, 4, 5 and 6 HP)
- Available in both single and three phase

- Pipe runs up to 50m
- Ideal for small commercial and residential applications
- Up to 4 indoor units can be fitted on multi-split systems
- Now 8 different styles of indoor units to provide more flexibility for different applications
- Operates at temperatures as low as -15°C in heating mode

Classic line up						
HP	2	3	4	5	6	
Class	18	25	36	48	60	
<b>1phase model (220-240V,50/60Hz)</b>	<b>SPW-CR184GVH56B</b>	<b>SPW-C256VH</b>	<b>SPW-C366VH</b>	<b>SPW-486VH</b>	<b>SPW-CR604GVH56C</b>	
Dimension (HxLxD) mm	569x790x285	569x790x285	780x940x340	910x940x340	1230x940x340	
Net weight kg	41	41	58	71	97	
Power Input (Cool/Heat) W	1440/1240	2190/2340	3400/3390	4450/4220	4530/4690	
Sound pressure level (H) (Cool/Heat) db(A)	46/47	48/50	50/52	51/54	54/56	
Max. piping length m	40	50	50	50	50	
Tube diameter mm (in)	6,35(1/4)/12,7(1/2)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	
<b>3phase model (380-415V; 50Hz)</b>	-	<b>SPW-C256VH8</b>	<b>SPW-C366VH8</b>	<b>SPW-486VH8</b>	<b>SPW-606VH8</b>	
Dimension (HxLxD) mm	-	780x940x340	780x940x340	910x940x340	910x940x340	
Net weight kg	-	58	65	76	76	
Power Input (Cool/Heat) W	-	2380/2290	3800/3310	4450/4220	5430/4620	
Sound pressure level (H) (Cool/Heat) db(A)	-	47/49	51/52	51/54	52/55	
Max. piping length m	-	50	50	50	50	
Tube diameter mm (in)	-	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	9,52(3/8)/15,88(5/8)	

Specifications subject to change without notice. The table lists the X type of indoor units as representative models. For details on the connection of indoor units other than the X type, refer to the technical data

## SPW-X186H SPW-X256H SPW-X366H SPW-X486H SPW-X606H

The New Semi concealed 4 way blow 6-Series X type Cassette incorporates many new benefits due to advancements in design and technology.

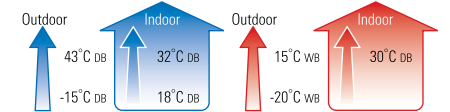
Airflow has been improved including circulation, height and volume control and the product offers improved efficiencies and better COPs due to the new coil design.



### Controller Options



- New Circle Flow Flap for more even temperature distribution
- Higher efficiency split fin
- New DC fan motor
- Highly efficient and silent turbo fan
- Individual flap control for flexible air flow direction
- Easy to clean suction grill & flap
- Special adjustment for high ceiling application



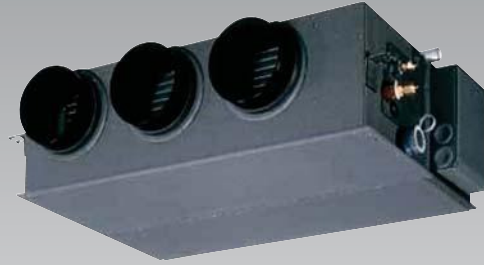
Elite											
Model name (SPW-)		X186H	X256H	X366H	X486H	X606H	X256H	X366H	X486H	X606H	
		1 phase	1 phase	1 phase	1 phase	1 phase	3 phase	3 phase	3 phase	3 phase	
Performance											
Cooling capacity	kW	5.0	7.1	10.0	12.5	14.0	7.1	10.0	12.5	14.0	
Heating capacity	kW	5.6	8.0	11.2	14.0	16.0	8.0	11.2	14.0	16.0	
Power input	Cooling	1.29	1.95	2.48	3.57	4.31	2.09	2.48	3.57	4.31	
	Heating	1.43	2.15	2.80	3.66	4.43	2.14	2.80	3.66	4.43	
Running amperes	Cooling	A	6.52	9.86	11.90	17.60	22.10	3.43	4.07	5.86	7.08
	Heating	A	7.22	10.90	13.30	17.90	22.80	3.51	4.61	6.11	7.27
EER/COP	Cooling	mm	3.88	3.64	4.03	3.50	3.25	3.40	4.03	3.50	3.25
	Heating	mm	3.92	3.72	4.00	3.83	3.61	3.74	4.00	3.83	3.61
Energy class		A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A	
Indoor Unit		SPW-	X186H	X256H	X366H	X486H	X606H	X256H	X366H	X486H	X606H
Air-circulation	(H/M/L) m <sup>3</sup> /min		17/15/13	21/17/14	33/27/21	35/28/22	36/29/23	21/17/14	33/27/21	35/28/22	36/29/23
Sound pressure level	(H/M/L) dB(A)		32/29/27	35/31/28	43/38/32	44/39/33	45/40/34	35/31/28	43/38/32	44/39/33	45/40/34
Unit Dimensions	(HxWxD) mm		256/840/840	256/840/840	319/840/840	319/840/840	319/840/840	256/840/840	319/840/840	319/840/840	319/840/840
Panel Dimensions	(HxWxD) mm		33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950
Unit Net Weight	kg		20	20	25	25	25	20	25	25	25
Panel Net Weight	kg		4	4	4	4	4	4	4	4	4
Power supply		V, ph, Hz	220 - 240V 1 phase 50,60Hz								
Outdoor Unit		SPW-	C186VEH	C256VEH	C366VEH	C486VEH	C606VEH	C256VEH8	C366VEH8	C486VEH8	C606VEH8
Sound pressure level	Cooling dB(A)		46	46	52	53	54	47	52	53	54
	Heating dB(A)		47	48	53	54	56	49	53	54	56
Unit Dimensions	(HxWxD) mm		569/790/285	780/940/340	1130/940/340	1130/940/340	1130/940/340	780/970/340	1130/940/340	1130/940/340	1130/940/340
Net weight	kg		41	54	90	94	96	65	95	96	96
Power supply		V, ph, Hz	220 - 240V 1 phase 50,60Hz								
Refrigerant Circuit											
Tube diameter	mm (in)		6.35(1/4)(12.71/2)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)
Max piping length	m		41	50	70	70	70	50	70	70	70
Max elevation diff - O.U. above/below I.U.	m		30/15	30/15	30/15	30/15	30/15	30/15	30/15	30/15	30/15
Chargeless piping length	m		30	30	30	30	30	30	30	30	30
Amount of additional refrigerant	g/m		20	40	40	40	40	40	40	40	40

Specifications subject to change without notice. na: not available at time of publication.

Classic											
Model name (SPW-)		X186H	X256H	X366H	X486H	X256H	X366H	X486H	X606H	X606H	
		1 phase	1 phase	1 phase	1 phase	3 phase	3 phase	3 phase	3 phase	3 phase	
Performance											
Cooling capacity	kW	5.0	7.1	10.0	12.5	7.1	10.0	12.5	14.0	14.0	
Heating capacity	kW	5.6	8.0	11.2	14.0	8.0	11.2	14.0	16.0	16.0	
Power input	Cooling	1.29	2.19	3.40	4.45	2.34	3.39	4.22	5.43	5.43	
	Heating	1.43	2.34	3.39	4.22	2.29	3.31	4.22	5.43	5.43	
Running amperes	Cooling	A	6.50	11.10	17.20	22.50	3.91	6.24	7.31	8.92	
	Heating	A	7.20	11.80	17.10	21.30	3.76	5.44	6.93	7.42	
EER/COP	Cooling	mm	3.88	3.24	2.94	2.81	2.98	2.63	2.81	2.58	
	Heating	mm	3.92	3.42	3.30	3.32	3.49	3.38	3.32	3.32	
Energy class		A/A	A/B	C/C	C/C	C/B	D/C	C/C	E/C	E/C	
Indoor Unit		SPW-	X186H	X256H	X366H	X486H	X256H	X366H	X486H	X606H	
Air-circulation	(H/M/L) m <sup>3</sup> /min		16/14/13	21/17/14	33/27/21	35/28/22	21/17/14	33/27/21	35/28/22	36/29/23	
Sound pressure level	(H/M/L) dB(A)		31/29/27	35/31/28	44/38/32	44/39/33	35/31/28	43/38/32	44/39/33	45/40/34	
Unit Dimensions	(HxWxD) mm		256/840/840	256/840/840	319/840/840	319/840/840	256/840/840	319/840/840	319/840/840	319/840/840	
Panel Dimensions	(HxWxD) mm		33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	33.5/950/950	
Unit Net Weight	kg		20	21	25	25	21	25	25	25	
Panel Net Weight	kg		4	4	4	4	4	4	4	4	
Power supply		V, ph, Hz	220 - 240V 1 phase 50,60Hz								
Outdoor Unit		SPW-	C186VH	C256VH	C366VH	C486VH	C256VH8	C366VH8	C486VH8	C606VH8	
Sound pressure level	Cooling dB(A)		46	46	50	51	47	50	51	52	
	Heating dB(A)		47	48	52	54	49	52	54	55	
Unit Dimensions	(HxWxD) mm		565/790/285	569/940/340	790/940/340	910/940/340	780/940/340	910/940/340	910/940/340	910/940/340	
Net weight	kg		41	58	96	71	58	65	76	76	
Power supply		V, ph, Hz	220 - 240V 1 phase 50,60Hz								
Refrigerant Circuit											
Tube diameter	mm (in)		6.35(1/4)(12.71/2)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	9.52(3/8)(15.885/8)	
Max piping length	m		40	50	50	50	50	50	50	50	
Max elevation diff - O.U. above/below I.U.	m		30/15	30/15	30/15	30/15	30/15	30/15	30/15	30/15	
Chargeless piping length	m		30	30	30	30	30	30	30	30	
Amount of additional refrigerant	g/m		20	40	40	40	40	40	40	40	

Specifications subject to change without notice. na: not available at time of publication.

**SPW-U185H**  
**SPW-U255H**  
**SPW-U365H**  
**SPW-U485H**  
**SPW-U605H**



The U type 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 25dB(A)
- Auto restart after power failure
- Auto changeover
- Twin, triple and quadruple split options

The external static pressure can be increased by using the booster cable

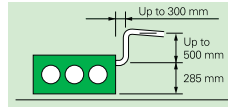
Type	12	16, 18	25	36	48, 60
Standard	49	40	50	79	78
With booster cable	69	62	92	122	113

(Pa)

External electrical equipment box makes maintenance easy



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



Elite		size 18		size 25		size 36		size 48		size 60	
Inverter Heat Pump		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Performance		5.00	5.60	7.10	8.00	10.00	11.20	12.50	14.00	14.00	16.00
Capacity	kW	1610/-	1740/-	2450/2600	2560/2530	2890/2850	3070/3060	4100/4080	4130/4150	4960/4880	5080/4940
Power input	1ph/3ph W	3.11/-	3.22/-	2.90/2.73	3.13/3.16	3.46/3.51	3.65/3.66	3.05/3.06	3.39/3.37	2.82/2.87	3.153/2.4
EER/COP	1ph/3ph	-	-	-	-	-	-	-	-	-	-
Energy class	1ph/3ph	B/-	C/-	C/-	A/A	A/A	A/A	A	A	A	A
Running amperes	1ph/3ph A	7.95/-	8.6/-	12.1/na	12.8/na	13.5/na	14.3/na	19.2/na	19.7/na	24.9/na	25.5/na
Annual energy consumption (cooling)	1ph/3ph kWh	805/-	-	1225/1300	-	1445/1425	-	-	-	-	-
Indoor Unit		SPW-U185H		SPW-U255H		SPW-U365H		SPW-U485H		SPW-U605H	
Air-circulation	(H/M/L) m <sup>3</sup> /h	720/630/540		1080/900/780		1800/1560/1260		1980/1560/1320		1980/1560/1320	
Moisture removal	Litres/h	3.0	-	3.5	-	4.2	-	6.6	-	6.6	-
External Static Pressure (booster)	Pa	40 (62)		50 (92)		79 (122)		78 (113)		78 (113)	
Sound Pressure Level	(H/M/L) (booster) dB-A	30/28/25 (33/30/28)		34/30/27 (38/34/30)		38/33/31 (42/38/33)		40/37/33 (44/40/37)		40/37/33 (44/40/37)	
Dimensions	HxWxD mm	310x700x630		310x1000x630		310x1480x630		310x1480x630		310x1480x630	
Net weight	kg	25		32		47		47		47	
Power supply	V, ph, Hz	220-240, 1, 50/60									
Outdoor Unit 1ph/3ph		SPW-C186VEH/-		SPW-C256VEH/ VEH8		SPW-C366VEH/ VEH8		SPW-C486VEH/ VEH8		SPW-C606VEH/ VEH8	
Sound Pressure Level (H)	1ph/3ph dB-A	46/-	47/-	46/47	48/49	52/52	53/53	53/53	54/54	54/54	56/56
Dimensions	HxWxD mm	569x790x285		780x940x340		1330x940x340		1330x940x340		1330x940x340	
Net weight	1ph/3ph kg	41/-		54/65		90/95		95/96		95/96	
Power supply	V, ph, Hz	220-240, 1, 50/60									
Refrigerant circuit		size 18		size 25		size 36		size 48		size 60	
Tube diameter	narrow/wide mm(in)	6.35(1/2)/12.1(1/4)		9.52(3/8)/15.88(5/8)		9.52(3/8)/15.88(5/8)		9.52(3/8)/15.88(5/8)		9.52(3/8)/15.88(5/8)	
Max piping length	m	40		50		70		70		70	
Max elevation difference - O.U. above/below I.U.	m	30/15		30/15		30/15		30/15		30/15	
Chargeless piping length	m	30		30		30		30		30	
Amount of additional refrigerant	g/m	20		40		40		40		40	

Specifications subject to change without notice. na: not available at time of publication.

## Controller Options

Timer remote controller



RCS-TM80BG

Wireless remote controller



RCS-BH80BG.WL

Simplified remote controller



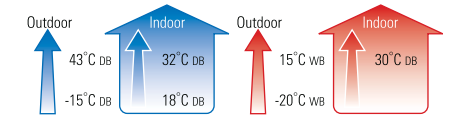
RCS-KR1EG

Comfortable space by using flexible air distribution ducts



Unified body height of approximately 310mm for all models.

Even models with different capacities can be installed smoothly in the ceiling.



Classic		size 18		size 25		size 33		size 48		size 60	
Inverter Heat Pump		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Performance		5.00	5.60	7.10	8.00	10.00	11.20	12.50	14.00	14.00	16.00
Capacity	kW	-	-	2900/3130	2770/2700	4120/4570	3930/3880	5160/5430	4850/4790	5070/6220	5330/5170
Power input	1ph/3ph W	-	-	2.45/2.27	2.89/2.96	2.43/2.19	2.81/2.89	2.42/2.30	2.89/2.92	2.76/2.25	3.00/2.90
EER/COP	1ph/3ph	-	-	C	A	C/na	C/na	C/na	C/na	-/-	-/-
Energy class	1ph/3ph	-	-	A	A	A	A	A	A	A	A
Running amperes	1ph/3ph A	7.90	6.60	14.5/na	13.7/na	20.47/na	19.7/na	25.57/na	24.0/na	-/na	-/na
Indoor Unit		SPW-U185H		SPW-U255H		SPW-U365H		SPW-U485H		SPW-U605H	
Air-circulation	(H/M/L) m <sup>3</sup> /h	720/630/540		1080/900/780		1800/1560/1260		1980/1560/1320		1980/1560/1320	
Moisture removal	Litres/h	-	-	3.5	-	4.2	-	6.6	-	na	-
External Static Pressure (booster)	Pa	40 (62)		50 (92)		79 (122)		78 (113)		78 (113)	
Sound Pressure Level	(H/M/L) (booster) dB-A	30/28/25		34/30/27 (38/34/30)		38/33/31 (42/38/33)		40/37/33 (44/40/37)		40/37/33 (44/40/37)	
Dimensions	HxWxD mm	310x700x630		310x1000x630		310x1480x630		310x1480x630		310x1480x630	
Net weight	kg	41		32		47		47		47	
Power supply	V, ph, Hz	220-240, 1, 50/60									
Outdoor Unit 1ph/3ph		SPW-CR184GVH56B		SPW-C256VH / SPW-C366VH8		SPW-C366VH / SPW-C486VH8		SPW-C486VH / SPW-C606VH8		SPW-CR604GVH56C / SPW-C606VH8	
Sound pressure level	1ph/3ph dB(A)	47	49	48	50	50	52	51	54	52	55
Dimensions	(HxWxD) mm	565x790(470)x285		569x790x285/780x940x340		780x940x340		910x940x340		1230x940x340/910x940x340	
Net weight	1ph/3ph kg	40		41 / 58		58 / 65		71 / 76		100	76
Power supply	V, ph, Hz	220-240, 1, 50/60 / 315-400, 3+N, 50									
Refrigerant Circuit		size 18		size 25		size 36		size 48		size 60	
Tube diameter	narrow/wide mm(in)	6.35(1/4) / 12.7(1/2)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)	
Max piping length	m	40		50		70		70		70	
Max elevation difference - O.U. above/below I.U.	m	-		30 / 15		30 / 15		30 / 15		30 / 15	
Chargeless piping length	m	30		30		30		30		30	
Amount of additional refrigerant	g/m	20		40		40		40		40	

Specifications subject to change without notice. na: not available at time of publication.

# T type ceiling mounted

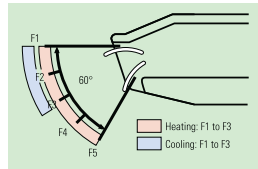
## SPW-T185H SPW-T255H SPW-T365H SPW-T485H SPW-T605H



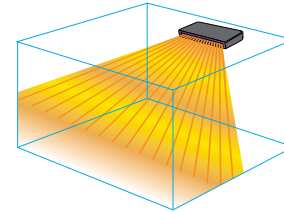
The range of ceiling mounted units feature a DC fan motor for increased efficiency and reduced operating sound levels. All the units are the same height and depth for a uniform appearance in mixed installations and feature a fresh air knockout for improved air quality.

- All units just 210mm high
- Twin rotary compressor dramatically reduces vibration and noise during operation
- DC inverter control
- Large and wide air distribution
- SANYO DC fan motor for increased efficiency
- Industry low sound levels
- Twin, triple and quadruple split options

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



**Further comfort improvement with airflow distribution.**



# Commercial Split-Systems (PACi)

## Controller Options

Timer remote controller



RCS-TM80BG

Wireless remote controller (Transmitter, common part)



RCS-BH80BG.WL

Simplified remote controller



RCS-KR1EG

Elite		size 18		size 25		size 36		size 48		size 60	
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	1ph/3ph W	1450/-	1790/-	2200/2360	2570/2560	2750/2730	2870/2880	3710/3710	3880/3940	4950/4880	4840/4720
EER/COP	1ph/3ph	3.45/-	3.13/-	3.23/3.01	3.11/3.13	3.64/3.66	3.90/3.89	3.37/3.37	3.61/3.55	2.83/2.87	3.31/3.39
Running amperes	1ph/3ph A	7.33	9.05	11.1/na	13.1/na	13.1/na	13.6/na	19.1/na	18.8/na	25.3/na	24.7/na
Annual energy consumption (cooling)	1ph/3ph kWh	725/-	-/-	1100/1180	-/-	1375/1365	-/-	-/-	-/-	-/-	-/-
<b>Indoor Unit</b>		<b>SPW-T185H</b>		<b>SPW-T255H</b>		<b>SPW-T365H</b>		<b>SPW-T485H</b>		<b>SPW-T605H</b>	
Air-circulation	(H/M/L) m <sup>3</sup> /h	780/660/540	-	1100/900/840	-	1650/1380/1200	-	1800/1560/1320	-	1800/1560/1320	-
Moisture removal	Litres/h	2.0	-	3.0	-	3.9	-	5.6	-	5.6	-
Sound pressure level	(H/M/L) dB(A)	36/33/30	-	38/36/33	-	41/38/35	-	43/40/37	-	43/40/37	-
Dimensions	(HxWxD) mm	210x910x680	-	210x1180x680	-	210/1595/680	-	210/1595/680	-	210/1595/680	-
Net weight	kg	21	-	25	-	33	-	33	-	33	-
Power supply	V, ph, Hz	220-240, 1, 50/60									
<b>Outdoor Unit 1ph/3ph</b>		<b>SPW-C186VEH/-</b>		<b>SPW-C256VEH/ SPW-C256VEH8</b>		<b>SPW-C366VEH/ SPW-C366VEH8</b>		<b>SPW-C486VEH/ SPW-C486VEH8</b>		<b>SPW-C606VEH/ SPW-C606VEH8</b>	
Sound pressure level (H)	1ph/3ph dB(A)	46/-	47/-	46/47	48/49	52/52	53/53	53/53	54/54	54/54	56/56
Dimensions	(HxWxD) mm	569x790x285	-	780x940x340	-	1330x940x410	-	1330x940x410	-	1330x940x410	-
Net weight	1ph/3ph kg	41/-	-	54/65	-	90/95	-	90/96	-	90/96	-
Power supply	V, ph, Hz	220-240, 1, 50/60 / 380-415, 3+N, 50									
<b>Refrigerant Circuit</b>		<b>size 18</b>		<b>size 25</b>		<b>size 36</b>		<b>size 48</b>		<b>size 60</b>	
Tube diameter	narrow/wide mm (in)	6.35(1/4) / 12.7(1/2)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)	
Max piping length	m	40		50		70		70		70	
Max elevation difference - O.U. above/below I.U.	m	30 / 15		30 / 15		30 / 15		30 / 15		30 / 15	
Chargeless piping length	m	30		30		30		30		30	
Amount of additional refrigerant	g/m	20		40		40		40		40	

Specifications subject to change without notice. na: not available at time of publication.

Classic		size 18		size 25		size 36		size 48		size 60	
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	1ph/ 3ph W	-	-	2600/2830	2740/2690	4200/4700	3570/3480	5310/5440	4460/4420	4840/6490	4829/4730
EER/COP	1ph/ 3ph	2.96	4.12	2.73/2.51	2.92/2.97	2.38/2.13	3.14/3.22	2.35/2.30	3.14/3.17	2.89/2.16	3.32/3.17
Energy class	1ph/ 3ph	A	D	D/E	D/D	-/-	D/C	-/-	-/-	-/-	-/-
Running amperes	1ph/ 3ph A	7.70	6.50	13.1/na	13.9/na	21.2/na	18.0/na	26.8/na	22.5/na	-/na	-/na
Annual energy consumption (cooling)	1ph/ 3ph kWh	-	-	1300/1415	-/-	2100/2350	-/-	-/-	-/-	-/-	-/-
<b>Indoor Unit</b>		<b>SPW-T185H</b>		<b>SPW-T255H</b>		<b>SPW-T365H</b>		<b>SPW-T485H</b>		<b>SPW-T605H</b>	
Air-circulation	(H/M/L) m <sup>3</sup> /h	780/660/540	-	1100/900/840	-	1650/1380/1200	-	1800/1560/1320	-	1800/1560/1320	-
Moisture removal	Litres/h	-	-	3.0	-	3.9	-	5.6	-	na	-
Sound pressure level	(H/M/L) dB(A)	36/33/30	-	38/36/33	-	41/38/35	-	43/40/37	-	43/40/37	-
Dimensions	(HxWxD) mm	210x910x680	-	210x1180x680	-	210/1595/680	-	210/1595/680	-	210/1595/680	-
Net weight	kg	21	-	25	-	33	-	33	-	33	-
Power supply	V, ph, Hz	220-240, 1, 50/60									
<b>Outdoor Unit 1ph/3ph</b>		<b>SPW-CR184GVH56B</b>		<b>SPW-C256VH / SPW-C256VH8</b>		<b>SPW-C366VH / SPW-C366VH8</b>		<b>SPW-C486VH / SPW-C486VH8</b>		<b>SPW-CR604GVH56C / SPW-C606VH8</b>	
Sound pressure level	1ph/ 3ph dB(A)	47	49	47	49	51	52	52	53	54	56
Dimensions	(HxWxD) mm	565x790(+70)x285	-	569x790x285 / 780x940x340	-	780x940x340	-	910x940x340	-	1230x940x340 / 910x940x340	-
Net weight	1ph/ 3ph kg	40	-	41 / 58	-	58 / 65	-	71 / 78	-	100	76
Power supply	V, ph, Hz	220-240, 1, 50/60 / 315-400, 3+N, 50									
<b>Refrigerant Circuit</b>		<b>size 18</b>		<b>size 25</b>		<b>size 36</b>		<b>size 48</b>		<b>size 60</b>	
Tube diameter	narrow/wide mm(in)	6.35 (1/4) / 12.7 (1/2)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)		9.52(3/8) / 15.88(5/8)	
Max piping length	m	40		50		50		50		50	
Max elevation difference - O.U. above/below I.U.	m	-		30 / 15		30 / 15		30 / 15		30 / 15	
Chargeless piping length	m	30		30		30		30		30	
Amount of additional refrigerant	g/m	20		40		40		40		40	

Specifications subject to change without notice. na: not available at time of publication.

## SPW-K186H SPW-K256H SPW-K366H



New for 2011 this wall mounted unit comes complete with flat panel design and an extended range to offer a slick new look whilst extending the capacity choice.

The extension of the range to include a 10kW unit allows for many more applications to be satisfied. Typical installation examples could be studios, gyms, high ceiling areas and even server rooms can be conditioned.

### Controller Options

Timer remote controller

Wireless remote controller

Simplified remote controller



RCS-TM80BG



RCS-SH1BG



RCS-BH80BG.WL

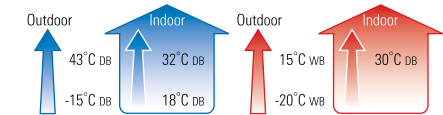


RCS-KR1EG

- New 10kW capacity unit
- New flat face design for modern appearance
- New compact design offers over 15% reduction in overall size
- Washable front panel
- Three directional piping outlet

### Washable front panel

The indoor unit's front panel can be easily removed and washed for trouble-free cleaning.



Elite							
Model name (SPW-)		K186H 1 phase	K256H 1 phase	K366H 1 phase	K256H 3 phase	K366H 3 phase	
Performance							
Cooling capacity	kW	5.0	7.1	10.0	7.1	10.0	
Heating capacity	kW	5.6	8.0	11.2	8.0	11.2	
Power input	Cooling	1.56	2.21	3.28	2.36	3.28	
	Heating	1.73	2.45	3.52	2.43	3.52	
		7.8	11.0	16.3	3.82	6.95	
Running amperes	Cooling	7.8	11.0	16.3	3.82	6.95	
	Heating	8.7	12.4	16.5	3.93	7.14	
		3.21	3.21	3.05	3.01	3.05	
EER/COP	Cooling	3.21	3.21	3.05	3.01	3.05	
	Heating	3.24	3.27	3.18	3.29	3.18	
		A/C	A/C	B/B	B/C	B/D	
Energy class							
Indoor Unit	SPW-	K186H	K256H	K366H	K256H	K366H	
Air-circulation	(H/M/L)	m <sup>3</sup> /min	14/12/10.5	18/14.5/11.5	20/16.5/13	18/14.5/11.5	20/16.5/13
Sound pressure level	(H/M/L)	dB(A)	40/36/32	47/44/40	49/45/42	47/44/40	49/45/42
Unit Dimensions	(HxWxD)	mm	300/1065/230	300/1065/230	300/1065/230	300/1065/230	300/1065/230
Unit Net Weight	kg	13	14.5	14.5	14.5	14.5	
Panel colour							
White (Munsell colour system: N9.1)							
Power supply							
220 - 240V 1 phase 50,60Hz							
Outdoor Unit		SPW-	C186VEH	C256VEH	C366VEH	C256VEH8	C366VEH8
Sound pressure level	Cooling	dB(A)	46	46	52	47	52
	Heating	dB(A)	47	48	53	49	53
		mm	569/790/285	780/940/340	1330/940/340	780/940/340	1330/940/340
Unit Dimensions	(HxWxD)	mm	569/790/285	780/940/340	1330/940/340	780/940/340	1330/940/340
Net weight	kg	41	54	90	65	95	
Power supply	V, ph, Hz	220 - 240V 1 phase 50,60Hz			380 - 415V 3 phase 50/60Hz		
Refrigerant Circuit							
Tube diameter	mm (in)	6.35(1/4)/12.7(1/2)	9.52(3/8)/15.88(5/8)	9.52(3/8)/15.88(5/8)	9.52(3/8)/15.88(5/8)	9.52(3/8)/15.88(5/8)	
Max piping length	m	40	50	70	50	70	
Max elevation diff - O.U. above/below I.U.	m	30/15	30/15	30/15	30/15	30/15	
Chargeless piping length	m	30	30	30	30	30	
Amount of additional refrigerant	g/m	20	40	40	40	40	

Specifications subject to change without notice. na: not available at time of publication.

Classic							
Model name (SPW-)		K186H 1 phase	K256H 1 phase	K366H 1 phase	K256H 3 phase	K366H 3 phase	
Performance							
Cooling capacity	kW	5.0	7.1	10.0	7.1	10.0	
Heating capacity	kW	5.6	8.0	11.2	8.0	11.2	
Power input	Cooling	1.47	2.58	3.97	2.79	3.97	
	Heating	1.53	2.75	3.90	2.60	3.90	
		6.80	12.90	18.20	4.53	7.82	
Running amperes	Cooling	6.80	12.90	18.20	4.53	7.82	
	Heating	6.90	13.30	17.80	4.22	7.61	
		3.40	2.75	2.52	2.54	2.52	
EER/COP	Cooling	3.40	2.75	2.52	2.54	2.52	
	Heating	3.66	2.91	2.87	3.08	2.87	
		A/A	D/D	E/D	E/D	E/D	
Energy class							
Indoor Unit	SPW-	K186H	K256H	K366H	K256H	K366H	
Air-circulation	(H/M/L)	m <sup>3</sup> /min	14/12/10.5	18/14.5/11.5	20/16.5/13	18/14.5/11.5	20/16.5/13
Sound pressure level	(H/M/L)	dB(A)	40/36/32	47/44/40	49/45/42	47/44/40	49/45/42
Unit Dimensions	(HxWxD)	mm	300/1065/230	300/1065/230	300/1065/230	300/1065/230	
Unit Net Weight	kg	13	14.5	14.5	14.5	14.5	
Panel colour							
White (Munsell colour system: N9.1)							
Power supply							
220 - 240V 1 phase 50,60Hz							
Outdoor Unit		SPW-	C186VH	C256VH	C366VH	C256VH8	C366VH8
Sound pressure level	Cooling	dB(A)	47	48	50	47	50
	Heating	dB(A)	49	50	52	49	52
		mm	565/790/285	569/790/285	780/940/340	780/940/340	780/940/340
Unit Dimensions	(HxWxD)	mm	565/790/285	569/790/285	780/940/340	780/940/340	
Net weight	kg	40	41	58	58	65	
Power supply	V, ph, Hz	220 - 240V 1 phase 50,60Hz			380 - 415V 3 phase 50/60Hz		
Refrigerant Circuit							
Tube diameter	mm (in)	6.35(1/4)/12.7(1/2)	9.52(3/8)/15.88(5/8)	9.52(3/8)/15.88(5/8)	9.52(3/8)/15.88(5/8)	9.52(3/8)/15.88(5/8)	
Max piping length	m	40	50	70	50	70	
Max elevation diff - O.U. above/below I.U.	m	30/15	30/15	30/15	30/15	30/15	
Chargeless piping length	m	30	30	30	30	30	
Amount of additional refrigerant	g/m	20	40	40	40	40	

Specifications subject to change without notice. na: not available at time of publication.

## SPW-XM185H

Designed to fit exactly into a 600x600mm ceiling grid without the need to alter the bar configuration, the XM is ideal for small commercial and retro fit applications.

In addition, the improvements to efficiency make this one of the most advanced units in the industry.



Panel



PNR-XM185

### Controller Options

Timer remote controller



RCS-TM80BG

Wireless remote controller  
(Transmitter, common part)



RCS-XM18BG.WL

Simplified remote controller

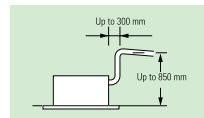


RCS-KR1EG

- Fresh air knock out
- Multidirectional air flow
- Integrated drain pump gives 250mm lift
- 3 speed centrifugal fan
- Anti-mould and anti-bacteria washable filters

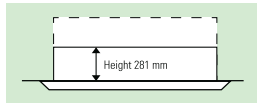
### A drain height of approx. 850mm from the ceiling surface

The drain height can be increased by approx. 350mm over the conventional value by using a high-lift drain pump, and long horizontal piping is possible.



### Lighter and slimmer, easier installation

Lightweight and very slim which makes installation possible even in narrow ceilings.

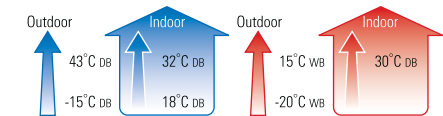


### Significant reduction of power consumption by using highly developed DC fan motors with variable speed, special heat exchangers, etc.

### Convenient cleaning



The flap can be removed easily for washing.



Inverter Heat Pump	Classic		Elite	
	size 18		size 18	
	Cooling	Heating	Cooling	Heating
Performance				
Capacity	5,00 kW	5,60	5,00	5,60
Power input	1,900 W	1,490	1,390	1,490
EER/COP	3,33	3,76	3,60	3,76
Energy class	A	A	A	A
Running amperes	6,90 A	6,80	7,03	7,53
Annual Energy consumption (cooling)	750 kWh	-	695	-
<b>Indoor Unit</b>	<b>SPW-XM185H</b>		<b>SPW-XM185H</b>	
Air-circulation (H/M/L)	m <sup>3</sup> /h 750/630/540		750/630/540	
Moisture removal	Litres/h -		1,9	
Sound Pressure Level (H/M/L)	dB-A 41/37/33		41/37/33	
Dimensions HxWxD (Unit)	mm 283x575x575		283x575x575	
Dimensions HxWxD (Panel)	mm 30x625x625		30x625x625	
Net weight (Unit)	kg 16		16	
Net weight (Panel)	kg 2,4		2,4	
Power supply	V, ph, Hz 220-240,1,50/60		220-240,1,50/60	
<b>Outdoor Unit</b>	<b>SPW-CR184GVH56B</b>		<b>SPW-C186VEH</b>	
Sound Pressure Level (H)	dB-A 46/43		46 47	
Dimensions HxWxD	mm 565x790(+70)x285		569/790/285	
Net weight	kg 40		41	
Power supply	V, ph, Hz 220-240,1,50/60		220-240,1,50/60	
<b>Refrigerant circuit</b>	<b>size 18</b>		<b>size 18</b>	
Tube diameter narrow/wide	mm(in) 6,35(1/4) / 12,7(1/2)		6,35(1/4) / 12,7(1/2)	
Max piping length	m 40		40	
Max elevation difference - O.U. above/below I.U.	m 30/15		30/15	
Chargeless piping length	m 30		30	
Amount of additional refrigerant	g/m 20		20	

Specifications subject to change without notice.

# US type

slim concealed duct & concealed duct

## SPW-US185H

The depth of only 200mm provides greater flexibility and can be used in far more applications. Its high efficiency and extremely quiet sound levels make it ideal for hotels and small offices.



- Reduced power consumption by 50%
- 40pa static pressure
- Extremely quiet: 26 dB(A) at low speed (class 7, 9, 12)
- Anti-mould washable filters included
- Easy maintenance and service by an external electrical box
- 3 speed centrifugal fan through wired or wireless remote control
- DC fan motor reduces power consumption
- Ideal for applications with limited false ceiling space
- Built in drain pump

Inverter Heat Pump	Classic		Elite	
	size 18		size 18	
Performance	Cooling	Heating	Cooling	Heating
Capacity	5,00	5,60	5,00	5,60
Power input	1550	1540	1490	1630
EER/COP	3,23	3,64	3,36	3,44
Energy class	A	A	A	B
Running amperes	7,10	7,00	7,62	8,24
Annual energy consumption (cooling)	775	-	745	-
<b>Indoor Unit</b>				
<b>SPW-US185H</b>				
Air-circulation	(H/M/L)	750/690/600		750/690/600
Moisture removal	Litres/h	-	1,8	-
Sound Pressure Level	(H/M/L) dB-A	35/33/31		35/33/31/37/35/33
Dimensions	HxWxD	200x750x640		200x750x640
Net weight	kg	19		19
Power supply	V, ph, Hz		220-240, 1,50/60	
<b>Outdoor Unit</b>				
<b>SPW-CR184GVH56B</b>				
Sound Pressure Level	(H) dB-A	46/43	47/43	46
Dimensions	HxWxD	569x790(+70)x285		569x790x285
Net weight	kg	40		40
Power supply	V, ph, Hz		220-240, 1,50/60	
<b>Refrigerant circuit</b>				
<b>size 18</b>				
Tube diameter	narrow/wide	mm(in)	6,35(1/2)/12,7(1/4)	6,35(1/2)/12,7(1/4)
Max piping length	m		40	40
Max elevation difference - O.U. above/below I.U.	m		30/15	30/15
Chargeless piping length	m		30	30
Amount of additional refrigerant	g/m		20	20

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

# FTR type

floor/ceiling mounted

## SPW-FTR184EH56B

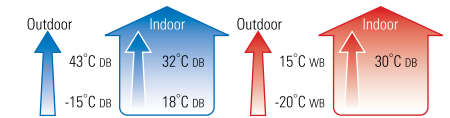


The FTR type units offer the flexibility of floor or ceiling application without the need for further modification at installation stage.

- 3 speed centrifugal fan
- Anti-mould and anti-bacterial washable filters
- Horizontal flap swinging or set on a fixed position
- Shallow design
- Easy to install

### Controller Options (US/FTR type)

Timer remote controller    Wireless remote controller    Simplified remote controller



Inverter Heat Pump	Classic		Elite	
	size 18		size 18	
Performance	Cooling	Heating	Cooling	Heating
Capacity	5,00	5,60	5,00	5,60
Power input	1550	1780	1620	1780
EER/COP	3,34	3,15	3,09	3,15
Energy class	A	-	B	-
Running amperes	6,91	6,81	8,10	8,90
Annual energy consumption (cooling)	750	-	810	-
<b>Indoor Unit</b>				
<b>SPW-FTR184EH56B</b>				
Air-circulation	(H/M/L)	830/760/665		830/760/665
Moisture removal	Litres/h	2,1	-	2,1
Sound Pressure Level	(H/M/L) dB-A	52/49/46		52/49/46
Dimensions	HxWxD	680x900x190		680x900x190
Net weight	kg	23,5		23,5
Power supply	V, ph, Hz		220-240, 1,50/60	
<b>Outdoor Unit</b>				
<b>SPW-CR184GVH56B</b>				
Sound Pressure Level	(H) dB-A	46/43	47/43	46
Dimensions	HxWxD	569x790(+70)x285		569x790x285
Net weight	kg	40		40
Power supply	V, ph, Hz		220-240, 1,50/60	
<b>Refrigerant circuit</b>				
<b>size 18</b>				
Tube diameter	narrow/wide	mm(in)	6,35(1/2)/12,7(1/4)	6,35(1/2)/12,7(1/4)
Max piping length	m		40	40
Max elevation difference - O.U. above/below I.U.	m		30/15	30/15
Chargeless piping length	m		30	30
Amount of additional refrigerant	g/m		20	20

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

**SPW-C706VH8  
SPW-C906VH8**

**Powerful performance in a compact space**

SANYO's Big PACi breaks new ground in offering high-performance and power in a small space. The Big PACi is ideally suited for large retail applications and other large areas not needing the higher capacities of VRF systems. The new lightweight and compact design enables easier installation in any commercial space. The twin fan system saves valuable footprint compared to traditional 8-10HP systems which have a larger footprint design.



The high capacity range of condensing units utilises highly efficient twin scroll compressors and R410A refrigerant. The outdoor unit can be mounted up to 100 metres away from its associated indoor unit. The result is a very flexible cooling and heating solution for large commercial applications. The outdoor units are capable of providing heating and cooling down to -15°C, ensuring a comfortable environment all year round, and each can be matched with a single ducted unit or up to four indoor units of the same type.

- Compact twin fan design saving on valuable footprint
- Highly efficient inverter compressor
- Reduced weight

- Forward discharge fan - unique design for this size capacity unit
- High capacity 8-10 HP
- Maximum pipe length 100m (more than 40% longer than other split systems)
- 3 phase
- Simultaneous operation with multiple combinations (only with common indoor units)
- Twin, triple and quad systems available
- Now 8 different styles of indoor units to provide more flexibility for different applications

Inverter Heat Pump					
Performance	size 70		size 90		
	Cooling	Heating	Cooling	Heating	
Capacity	kW	20.20	22.40	25.00	28.00
Power input	W	7.12	6.50	9.55	8.20
EER/COP	W/W	2.81	3.45	2.62	3.41
Running amperes	A	11.0	10.1	14.8	12.6
Indoor Unit		SPW-D705H		SPW-D905H	
Air-circulation	(H/M/L) m <sup>3</sup> /h	3360/3190/2980		4320/4200/3960	
Moisture removal	Litres/h	11.1	-	13.9	-
External Static Pressure	(booster) Pa	176		216 (235)	
Sound Power Level	dB-A	80		82	
Sound Pressure Level	(H/M/L) dB-A	48/47/46		51/50/49	
Dimensions	(HxWxD) mm	467/1428/1230		467/1428/1230	
Net weight	kg	110		120	
Power supply	V, ph, Hz	220-240,1,50/60			
Outdoor Unit		SPW-C706VH8		SPW-C906VH8	
Sound Power Level	(H) dB-A	71		72	
Sound Pressure Level	(H) dB-A	57	57	57	58
Dimensions	(HxWxD) mm	1526x940x340		1526x940x340	
Net weight	kg	118		128	
Power supply	V, ph, Hz	380-415,3+N,50/60			
Refrigerant circuit		size 70		size 90	
Tube diameter	narrow/wide mm[in]	9.52(3/8)/25.4(1)		12.7(1/2)/25.4(1)	
Max piping length	m	100		100	
Max elevation difference - 0.U. above/below I.U.	m	30		30	
Chargeless piping length	m	30		30	
Amount of additional refrigerant	g/m	40		80	

Specifications subject to change without notice.

**SPW-D705H  
SPW-D905H**

**D type high static pressure concealed duct**

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



- High static pressure available for optimum air distribution
- Low operating sound levels
- R410A refrigerant
- Highly efficient scroll compressor
- Piping length up to 100m
- Multifunctional wireless remote control with built-in temperature control
- Piping outlet in three directions
- Fresh air knockout for improved air quality

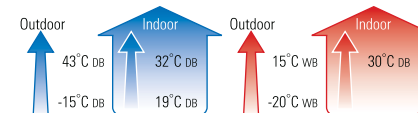
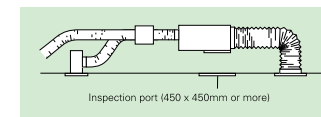
**Controller Options**

Timer remote controller    Wireless remote controller    Simplified remote controller



**System example**

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



The SPW DC inverter system is the ideal versatile solution for air conditioning irregularly shaped or open plan areas, as 2, 3 or 4 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.

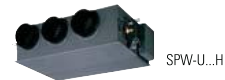
Outdoor unit	Performance				
	Performance		Combination		
	Cooling	Heating	TWIN	TRIPLE	QUAD
SPW-C256 - Inverter model	7,10	8,00	12 x 2	-	-
SPW-C366 - Inverter model	10,0	11,2	18 x 2	12 x 3	-
SPW-C486 - Inverter model	12,5	14,0	25 x 2	16 x 3	12 x 4
SPW-C606 - Inverter model	14,0	16,0	25 x 2	18 x 3	-
SPW-C706 - Inverter model	20,0	22,4	36 x 2	25 x 3	18 x 4
SPW-C906 - Inverter model	25,0	28,0	48 x 2	-	25 x 4



SPW-X...H

Semi concealed cassette	SPW-X186H	SPW-X256H	SPW-X366H	SPW-X486H	SPW-X606H
Air circulation (H/M/L) m³/h	1020/900/780	1260/1020/840	1980/1620/1260	2100/1680/1320	2160/1740/1380
Sound pressure level (H/M/L) dB(A)	32/29/27	35/31/28	43/38/32	44/39/33	45/40/34
Dimensions - unit (HxWxD) mm	256x840x840	256x840x840	319x840x840	319x840x840	319x840x840
Dimensions - panel (HxWxD) mm	35x950x950	35x950x950	35x950x950	35x950x950	33.5x950x950
Net weight - unit kg	20	20	25	25	25
Net weight - panel kg	4	4	4	4	4

All specifications subject to change without notice.



SPW-U...H

Concealed duct unit	SPW-U185H	SPW-U255H	SPW-U365H	SPW-U485H	SPW-U605H
Air circulation (H/M/L) m³/h	720/630/540	1080/900/780	1800/1560/1260	1980/1560/1320	1980/1560/1320
External static pressure std (booster) Pa	40 (62)	50 (92)	79 (122)	78 (113)	78 (113)
Sound pressure level (H/M/L) dB(A)	30/28/25 (33/30/28)	34/30/27 (38/34/30)	38/33/31(42/38/33)	40/37/33(44/40/37)	40/37/33(44/40/37)
Dimensions (HxWxD) mm	310x700x630	310x1000x630	310x1480x630	310x1480x630	310x1480x630
Net weight kg	25	32	47	47	47

All specifications subject to change without notice.



SPW-T...H

Ceiling mounted unit	SPW-T185H	SPW-T255H	SPW-T365H	SPW-T485H	SPW-T605H
Air circulation (H/M/L) m³/h	780/660/540	1100/900/840	1650/1380/1200	1800/1560/1320	1800/1560/1320
Sound pressure level (H/M/L) dB(A)	36/33/30	38/36/33	41/38/35	43/40/37	43/40/37
Dimensions (HxWxD) mm	210x910x680	210x1180x680	210x1595x680	210x1595x680	210x1595x680
Net weight kg	21	25	33	33	33

All specifications subject to change without notice.



SPW-K...H

Wall mounted unit	SPW-K186H	SPW-K256H
Air circulation (H/M/L) m³/h	840/720/630	1080/970/690
Sound pressure level (H/M/L) dB(A)	40/36/32	47/44/40
Dimensions (HxWxD) mm	300x1065x230	300x1065x230
Net weight kg	13	14,5

All specifications subject to change without notice.



SPW-XM...H

Mini semi concealed cassette	SPW-XM185H
Air circulation (H/M/L) m³/h	750/630/540
Sound pressure level (H/M/L) dB(A)	41/37/33
Dimensions - unit (HxWxD) mm	313/625/625
Dimensions - panel (HxWxD) mm	30x625x625
Net weight - unit kg	16
Net weight - panel kg	2,4

All specifications subject to change without notice.



SPW-US...H

Slim concealed duct unit	SPW-US185H
Air-circulation (H/M/L) m³/h	750/690/600
External static pressure (short circuit connection) Pa	15(40)
Sound pressure level (H/M/L) dB(A)	35/33/31 (37/35/33)
Dimensions (HxWxD) mm	200x750x640
Net weight kg	19

All specifications subject to change without notice.



SPW-FTR...EH56B

Floor/ Ceiling mounted unit	SPW-FTR184EH56B
Air circulation (H/M/L) m³/h	830/760/665
Sound pressure level (quiet H/M/L) dB(A)	52/49/46
Dimensions (HxWxD) mm	680x900x190
Net weight kg	23,5

All specifications subject to change without notice.

## RCS-TM80BG



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
- 7 day programmable with day omission and set back control
- Full self-diagnosis facility with detailed performance history

## SHA-TM64AGB



The SHA-TM64AGB 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

## Wireless remote controller



The Wireless remote controller - RCS-SH80AG.WL/RCS-SS80BG.WL/RCS-BH80AG.WL/RCS-TRP80AG.WL/RCS-SH80ANG.WL/RCS-SH1AG, RCS-XM18BG.WL

- 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

## SHA-KT256EG



The Touch Screen web-enabled controller - SHA-KT256EG with web control and e-mail alarm generation 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

## RCS-KR1EG



The RCS-KR1EG, 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

## SHA-LN16UGB



SHA-LN16UGB. This interface is a communications converter for connecting LonWorks to the SANYO air conditioner unit (PACi, ECOii, GHP) control network.

From the host connected to LonWorks, basic settings and status monitoring is possible for up to 16 groups of A/C units.

## SHA-KC64AGB



The SHA-KC64AGB 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, operation outputs and remote start/stop inputs available
- Up to 10 system controllers can be installed on a single "S net" network system