



sinclair
AIR CONDITIONING

SV6

VRF CATALOGUE

2023-2024



sinclair
AIR CONDITIONING

Quality enhances partnership

ABOUT SINCLAIR BRAND

SINCLAIR brand has a long tradition and we believe in a bright future too. Sinclair air conditioners are getting more and more popularity and trust on the market every year. Our strong team of professionals ensures perfect cooperation with partners from many countries around the world. Development of our partnership never ends.

SINCLAIR Global Group is based on essential principals of long-term partnership and high-quality products. We regularly organize technical training in our academy to be sure that all our partners have updated information about news in our assortment and proper technical background.

SINCLAIR products will secure comfortable temperature in your home or office in all climatic conditions throughout the year. We are more than happy to introduce you to SINCLAIR air conditioners.

www.sinclair.africa



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OUR VISION AND MISSION

Environmental protection becomes more and more crucial for humanity and its future generations. SINCLAIR Global Group perceives it the same way hence we focus on developing and applying new technologies which help to reduce energy consumption and global warming effect. Our products fulfill strict EU norms and in many cases even surpass them.

SINCLAIR believes in long-term, stable and healthy progression supported by hard work and strong code of ethics. Long-term success of any brand depends on satisfied customers. Our customers are satisfied thanks to high-quality, reliable and technically advanced products with reasonable pricing and timeless design.

www.sinclair-solutions.com

Our website is dedicated to everyone who wants to learn more about Sinclair air conditioners and other products. Additionally after login to partner section there is all technical documentation available for download.



BRING COMFORT TO YOUR HOME
 SINCLAIR CORPORATION LTD. is concentrating on air conditioning, heat pump and LED light solutions. The main target of brand SINCLAIR is to bring comfort to the life of people of the Blue Planet, while protecting the environment. Thanks to the attention paid to research, development, manufacturing and product testing as well as to the after sales support, SINCLAIR has reached a high level of quality and reliability. Currently, SINCLAIR brand is represented by three product groups: since 1999 by air-conditioning systems and since 2011 by air-to-water heat pumps and LED lighting.
 SINCLAIR partners operate in 33 countries...

LATEST NEWS **LATEST REFERENCES**

5 THERM YUKON HEAT PUMPS
 24 July 2023



TWO A ROAD TOWARD WITH THE PREMIUM THERM YUKON HEAT PUMP RANGE. The advanced technology of this series offers low operating noise and meets high demands for sustainability and ecology at all...

LEAGUE BROTHERS INTERNATIONAL BILLIARDS TOURNAMENT 2023
 18 July 2023

SINCLAIR SPONSORIZES THE INTERNATIONAL BILLIARDS TOURNAMENT IN PARADISE

We are happy to be part of the international tournament Paroluzer STABEDO Open 2023, which passed 200 participants from all over the...

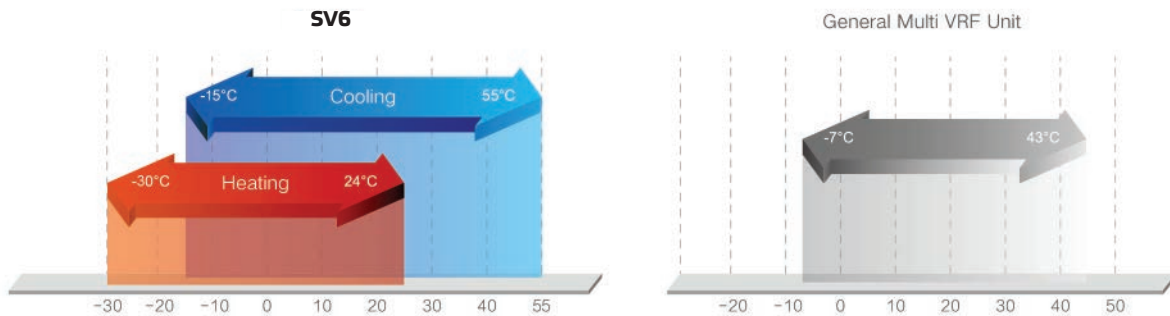
More information

Communication and Connection Features

Wide Operation Range

-30°C-55°C stable operation to provide users with a comfortable environment in both cold and hot weather, operating ambient temperature for cooling can be as low as -15°C.



Note:

1. The maximum operating temperature in cooling is 55°C while the minimum operating temperature in heating is -30°C. As different series have different operating ranges, please refer to the corresponding technical information.
2. Cooling at -15~-5°C is conditional. Please inquire with our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.

Integrated Mainboard

Adopt miniaturized design and new high-efficiency process to reduce the area of main board by 40% and the occupied space, increase the power density of inverter, and realize the diversification of functions.

Intelligent Design

Low power consumption control, auto address allocation, auto commissioning, error memory and inquiry;

High Reliability Design

It is designed with wide voltage protection, default phase protection, overload protection, anti-surge protection, anti-static protection and so on. Together with advanced moisture-proof, dust-proof and anti-corrosion design, the system is more stable and reliable.

Advanced Production and Inspection Technology

The controller mainboard undergoes a series of strict production inspection processes such as SMT processing—AOI optical inspection—ICT online inspection—FCI functional test—DCT test and vibration and stress test. The rigorous manufacturing and inspection process ensures that the control mainboard can withstand high temperature and high humidity, abrasion and drop and other harsh environments.



SV5



SV6

Integrated High-efficiency Heat Dissipation Electric Controller

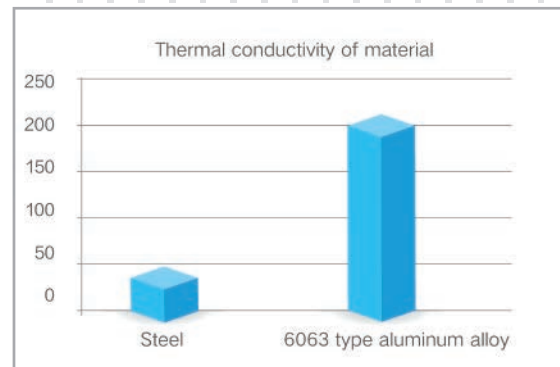
Main body of electric box is made of 6063T5 aluminum alloy material with high thermal conductivity (the heat dissipation capability is 4.5 times that of conventional steel plates). The integrated structure design reduces the overall volume by 35%. Installation and maintenance are more convenient.



Other (sheet metal structure)

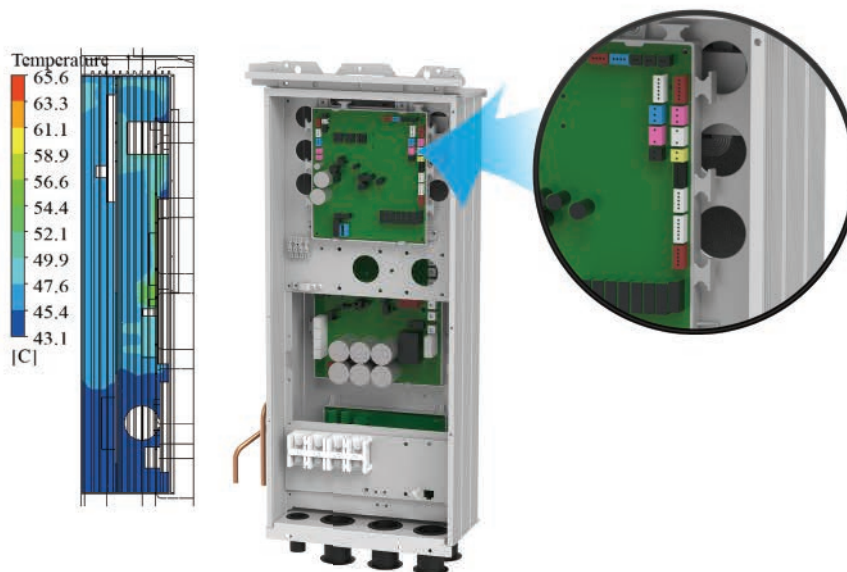


SV6 (Aluminium alloy)



*Patent for Utility Model No. ZL201720497732.5 Outdoor unit, Electric Box and its Box Subassembly of Air Conditioner.
 Note: Aluminium control box is not applicable for SV6 (SV-**WM/G-F).

The main body of electric box adopts refrigerant for heat dissipation, cooperates with high thermal conductivity aluminum alloy material, and uses thermal simulation design to optimize the layout of inverter power components, thus reducing the internal temperature of inverter electric box by about 8°C, and improving the reliability of inverter components of large-capacity inverter compressor.



New Generation Refrigerant Automatic Charging

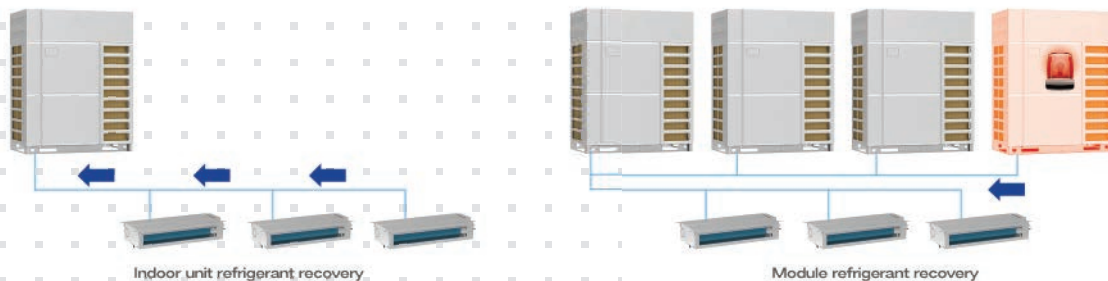
The new-generation refrigerant automatic charging function can effectively monitor and judge the status of the refrigerant in the system by detecting the high and low pressure, ambient temperature, and other parameters of the system, and strive to achieve the amount of refrigerant that matches the project and improve the efficiency of unit installation and commissioning.

*This function needs to be customized



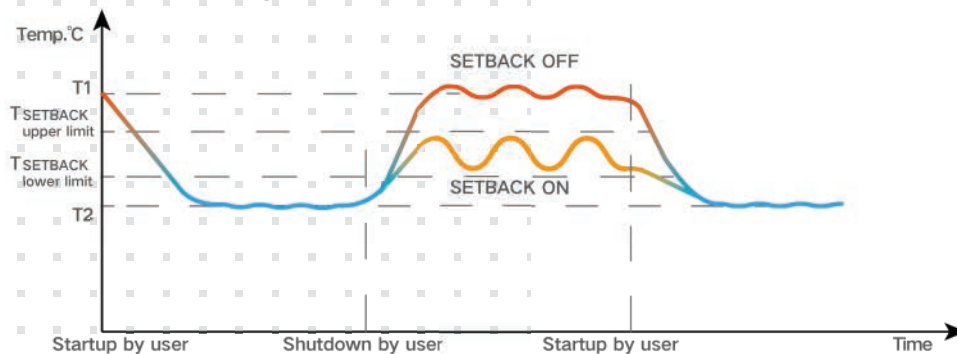
New Generation Refrigerant Recovery Function

The new generation of indoor unit refrigerant recovery and module refrigerant recovery functions can effectively recover the refrigerant of the indoor unit or the faulted outdoor unit during after-sales maintenance, reducing refrigerant waste and saving maintenance time.



SET BACK Function

On occasions with high comfort requirements, such as star-rated hotels, high-end office areas, etc., the unit can start the SET BACK function, even if the unit is turned off, it can also automatically determine the indoor temperature and automatically start operation to ensure the required temperature control under unmanned state, improving the comfort of use.



*Applicable to XK79 wired controller.

Efficiently Maintained Structural Layout

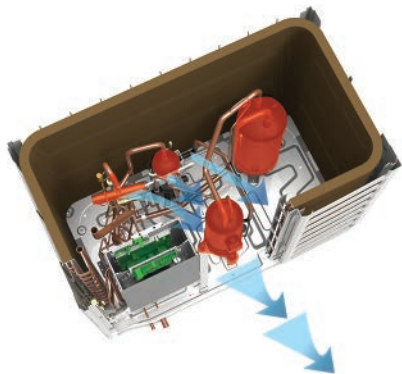
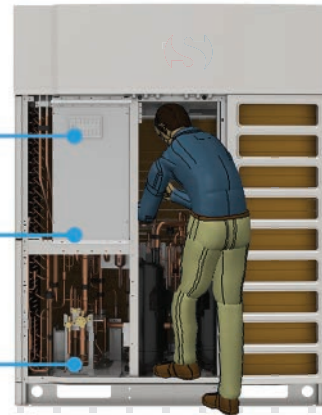
SV6 integrated electronic control layout, with reserved maintenance space for higher maintenance efficiency.



Commissioning window, no need to remove the panel, you can conduct commissioning and troubleshooting during operation.

The electronic control components are highly integrated, the component structure is miniaturized, and there is more space for maintenance.

Front-mounted valve assembly design, fast and reliable piping installation.



Large space for convenient maintenance.

Four Seasons Operating Function

Without adding additional accessories, operation mode of the whole unit can be set through the outdoor unit to achieve centralized management and reduce energy waste.



Summer lock: cooling is effective

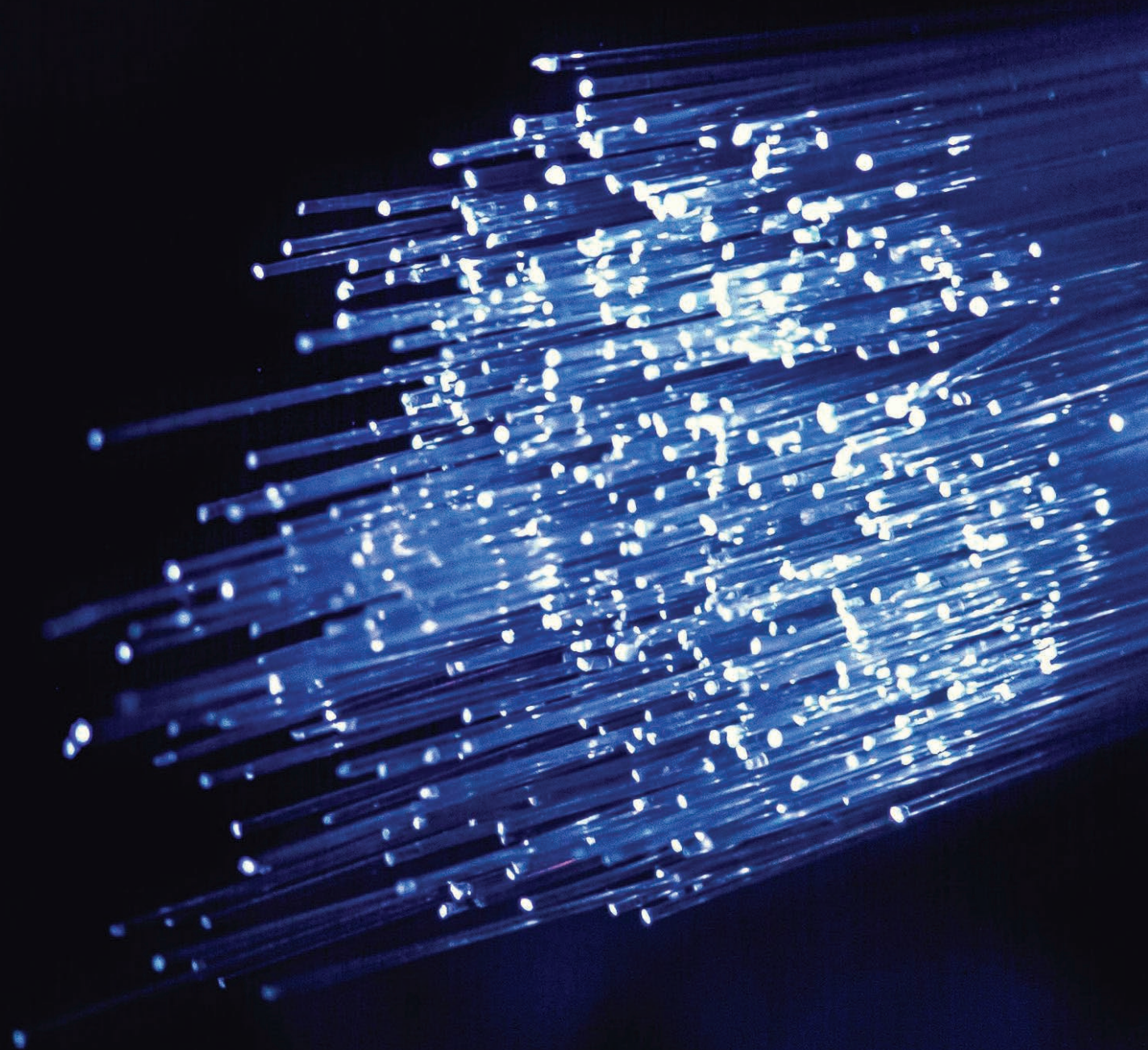


Transient season lock: air supply is effective



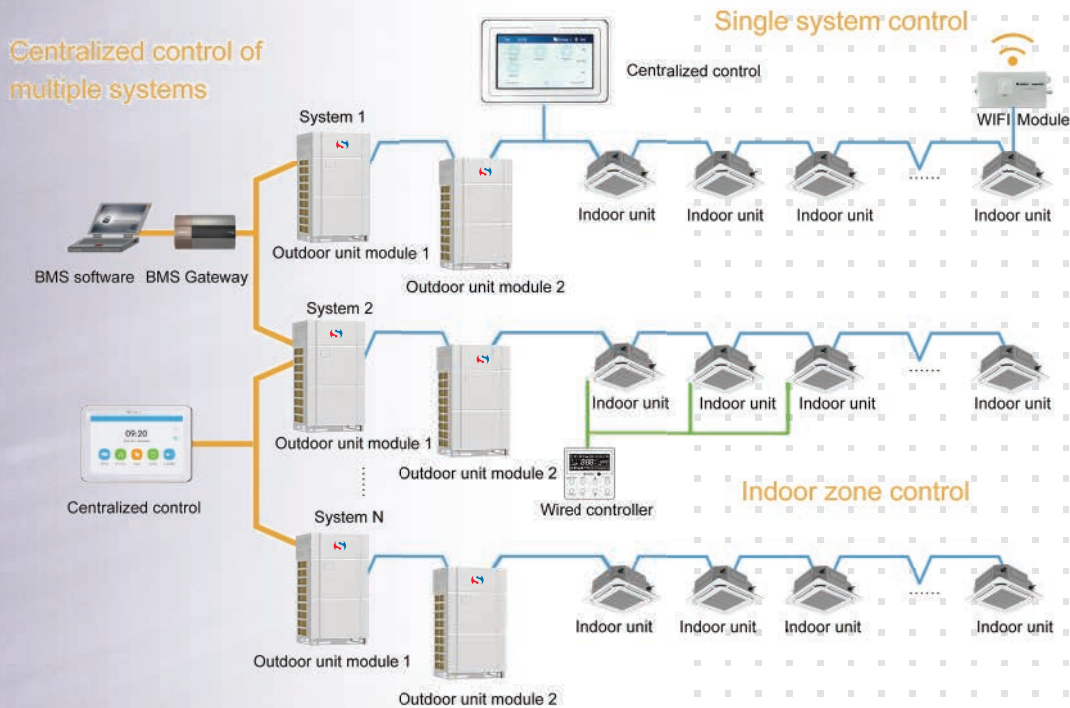
Winter lock: heating is effective

CAN+ Communication Technology



Innovative Stratification CAN+ Structure with Multiple Master Networks

Considering that the application of an air conditioning system requires multiple nodes, multistep control and intelligent expansion, we originally developed the stratification CAN+ structure with multiple master networks, which makes it possible for the number of nodes in a single system to be increased relatively by 56% and the response time for centralized control to be shortened by hundreds of times.



First Formulated CAN+ Communication Protocol

It is the first time to formulate and standardize CAN+ communication protocol: two-stage network universal design, data can be directly transferred; functional code, network address, data field and related core concepts are developed, realizing grading, classification and real-time transfer of communication data, satisfying the demand of intelligent expansion.



The First Nonpolarity CAN+ Communication Chip

CAN+ self-adaptive networking technology includes single chip automatic nonpolarity technology and all network automatic address distribution technology, which can realize automatic networking for hundreds of nodes of large multi VRF unit within 10 seconds, the newly increased nodes can be activated instantly once it is inserted, greatly improving the networking speed and expansion capability.

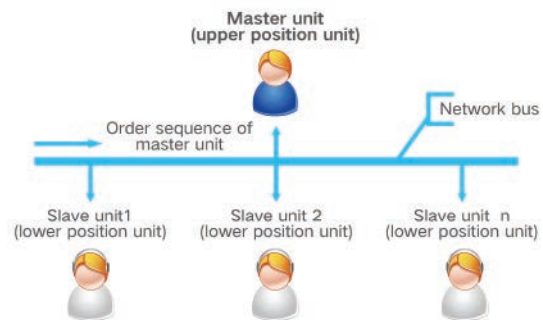


CAN+ Communication Technology

Current Situation for Communication Technology of Multi VRF Unit Industry

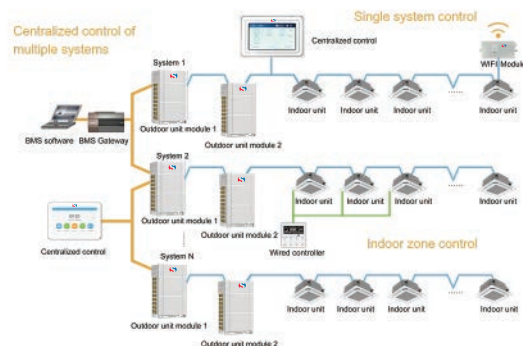
In the field of commercial VRF, as the installed capacity of the system increases, the number of connected indoor units also increases. Thus, the multi-system integrated control requires a highly stable communication network.

The current air conditioning communication technology adopts master-slave polling mechanism, which has the technical bottlenecks with low reliability, poor real-time performance, and poor extendibility, which restrict the development of intelligence; slow response of centralized control and low efficiency of control; communication is susceptible to interference, resulting in abnormal operation; expansion of functions and number of nodes are difficult.



Innovative Stratification CAN+ Structure with Multiple Master Networks

Considering that the application of an air conditioning system requires multiple nodes, multistep control and intelligent expansion, we originally developed the stratification CAN+ structure with multiple master networks, which makes it possible for the number of nodes in a single system to be increased relatively by 56% and the response time for centralized control to be shortened by hundreds of times.

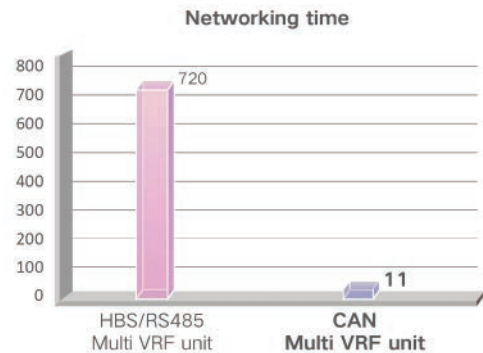


Technical Effect		CAN+ Network Structure	Traditional Network Structure
Real-time capability of interaction	Communication cycle of single system	<500ms	About 5s
	Preferential response	Microseconds	Seconds
	Centralized control response time	6s	10min
Reliability of interaction	Error isolation	Automatic	No
	Impact of node malfunction	Not rely on any node	Totally rely on master unit
	Sub-net scale	80 (it should be customized if over 80, 100 sets can be customized at most)	64
Expansibility	Intelligent equipment	Free access	Require bridge connection

First Formulated CAN+ Communication Protocol

It is the first time to formulate and standardize CAN+ communication protocol: two-stage network universal design, data can be directly transferred; functional code, network address, data field and related core concepts are developed, realizing grading, classification and real-time transfer of communication data, satisfying the demand of intelligent expansion.

Full network automatic address allocation technology: the protocol supports dynamic IP automatic allocation and full network addresses automatic offset, which realizes large-scale air conditioning network automatic networking without commissioning. The networking time is relatively shortened by more than 60 times, ensuring fast network distribution and free access to multiple online devices.



The First Nonpolarity CAN+ Communication Chip

Good Expansibility

- Network scale: single system can control up to 100* indoor units, reducing equipment investment and management costs;
- Instant use: new device can be accessed freely, with flexible engineering configuration;
- Centralized control: two-stage CAN+ communication network structure, no bridge device is needed between the systems, and the centralized control equipment can control up to 16 systems.

*Require engineering customization

High-efficiency and Reliable

- Innovatively integrate the air conditioning control business with the bus arbitration mechanism to achieve second-level response of large centralized control system;
- With fault isolation function, the faulty node quits actively, and the network is not affected by the faulty node.

Convenient Installation Commissioning

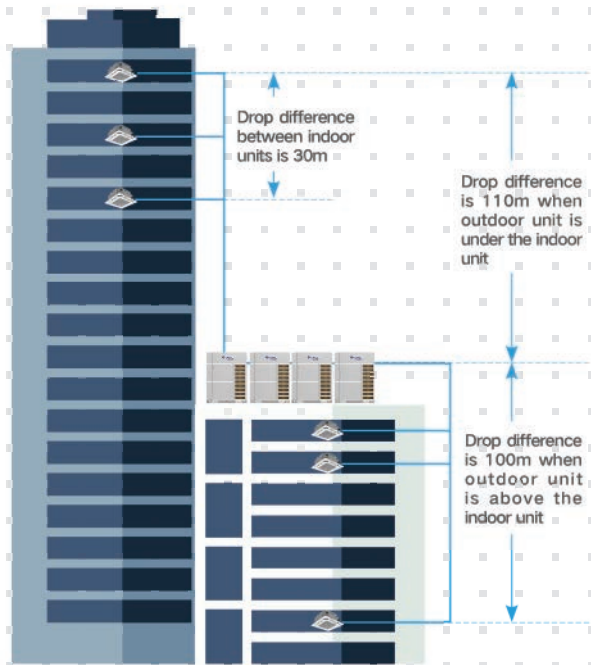
- With automatic addressing function, the system automatically assigns addresses without manual DIP switch setting and networking, saving time and effort;
- The interface adopts non-polar design. Engineering wiring does not need to consider the positive and negative poles, which is safe and reliable.

Honors

- In 2017, the project “Research and Application of CAN + Communication Technology Based on Multi VRF Unit” was accredited by the Chinese Association of Refrigeration and reached the “international leading” level;
- In 2018, the project “Research and Application of CAN + Communication Technology for Mult VRF Unit” won the Gold Medal at the 70th Nuremberg International Invention Exhibition in Germany;
- In 2018, the core patent of CAN + communication technology “Mult VRF Air Conditioning System ZL201410312939.1” won the Silver Award of China Invention Patent.

Super Long Refrigerant Pipe Design

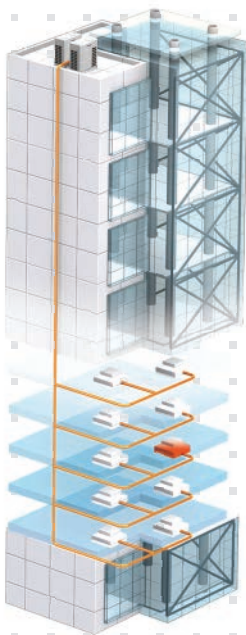
SV6 combines high drop pressure control technology, indoor unit drop identification technology, intermediate pressure adjustment technology, tube length self-correction technology, and deep sub-cooling technology to increase the length of piping and improve the air conditioning effect.



- The maximum actual single pipe length is 200m, the maximum equivalent single pipe length is 240m, and the maximum piping length is 1,000m.
- The maximum length after the first branch pipe is 120m*.
- The maximum drop of indoor and outdoor units is 110m* (100m when the outdoor unit is in upper position)*.
- The maximum drop between outdoor units is 30m.

*Please consult technical staff for details.

Indoor Unit Automatic Positioning Function



When multiple indoor units are installed in large spaces such as exhibition halls, conference rooms, offices, etc., the indoor unit can conduct automatic positioning, the corresponding indoor unit buzzer can automatically respond, and the indoor unit can be quickly positioned by sound to achieve efficient maintenance.





SV6 Outdoor Units Specifications

ODU Specifications

SV-Mini(220V) & SV-Slim(380V)

Sinclair SV (Non-Modular)			Range: Slim (220V)					Range: Mini (380V)		
Model			SVEA08A6	SVEA100A6	SVEA120A6	SVEA140A6	SVEA160A6	SVEB220A6	SVEB280A6	SVEB330
Capacity	Cooling	kW	8.00	10.00	12.10	14.00	16.00	22.40	28.00	33.50
	Heating	kW	9.00	11.00	14.00	16.50	18.00	24.00	30.00	35.00
Capacity adjustment range		%	10~100	10~100	10~100	10~100	10~100	10~100	10~100	10~100
EER		kW/kW	3.90	3.70	3.3	3.1	3.3	2.57	2.1	2.6
Power supply		V/Ph/Hz	220-240/Ph 1/Hz 50	220-240/Ph 1/Hz 50	220-240/Ph 1/Hz 50	220-240/Ph 1/Hz 50	220-240/Ph 1/Hz 50	380-415/Ph 3/Hz 50	380-415/Ph 3/Hz 50	380-415/Ph 3/Hz 50
Rated input2	Cooling	kW	2.05	2.70	3.67	4.5	6.9	8.72	13.66	16.18
	Heating	kW	1.90	2.50	/	/	/	/	/	/
Rated current2	Cooling	A	11.0	14.4	15.8	21.7	31.6	14.8	21	24.5
	Heating	A	10.1	13.4	/	/	/	/	/	/
	Water heating	A	/	/	/	/	/	/	/	/
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge volume	kg	1.8	1.8	3.3	3.3	3.3	5.50	7.10	8.00
Compressor	Type	—	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary+	Inverter Scroll+	Inverter Scroll+
	Quantity	—	1	1	1	1	1	1	1	1
	Power Input	W	4150	4150	4580	4580	4580	5200	9000	9200
	Rated Load Amp (RLA)	A	19	19	18	18	18	15.4	12.1	12.1
Fan	Type		Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow
	Quantity		1	1	2	2	2	2	2	2
	Diameter-Height	inch	21 2/3-8 1/14	21 2/3-8 1/14	18 4/7-6 2/7	18 4/7-6 2/7	18 4/7-6 2/7	21 2/3-6 3/5	21 2/3-7	21 2/3-7
Fan Motor	Model	—	SWZ150B	SWZ150B	SWZ120A	SWZ120A	SWZ120A	SWZ150B	SWZ150B	SWZ150B
	Insulation class	—	E	E	E	E	E	B	B	B
	Moisture protection	—	IP24	IP24	IP23	IP23	IP23	IP44	IP44	IP44
	Drive Type	—	Direct-Driven	Direct-Driven	Direct-Driven	Direct-Driven	Direct-Driven	Direct Drive	Direct Drive	Direct Drive
	Speed (H/M/L)	rpm	100-680	100-700	100-880	100-880	100-880	100-800	100-860	100-860
	Power Output	HP	150	150	120	120	120	170	250	250
	Full Load Amp(FLA)	A	0.95	0.95	0.5	0.5	0.5	/	/	/
Airflow Rate		m ² /h	3900	4000	6000	6300	6600	8000	11000	11000
		CFM	2295.15	2354	3531	3707.55	3884.1	4708	6474	6474
Connecting pipe	Gas Pipe (to indoor unit)	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ3/4	3/4	0.875	1
	Liquid (AC)	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	3/8	3/8	1/2
Outline Dimension	W	mm	980	980	900	900	900	940	940	940
	D	mm	360	360	340	340	340	320	460	460
	H	mm	790	790	1345	1345	1345	1430	1615	1615
Package Dimension	W	mm	1097	1097	998	998	998	1038	1038	1038
	D	mm	477	477	458	458	458	438	578	578
	H	mm	937	937	1500	1500	1500	1580	1765	1765
Gross/Net weight	kg	90/80.0	90/80.0	123/112.0	123/112.0	123/112.0	123/112.0	144/133	183/166	194/177
Maximum drive IDU No.		unit	4	5	7	8	9	13	17	20
Max. equivalent connection pipe length		m	100	100	120	120	120	150	150	150
Circuit breaker		A	25	25	32	40	40	20	25	32

ODU Specifications - Heat Pump Range

SV6 (380-415V 3N~50/60Hz)



Outdoor unit									
Model			SVEP-224AX6	SVEP-280AX6	SVEP-335AX6	SVEP-400AX6	SVEP-450AX6	SVEP-504AX6	SVEP-560AX6
Capacity	Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.40	56.00
	Heating	kW	25.00	31.50	37.50	45.00	50.00	56.50	63.00
Capacity adjustment range		%	17~100	13~100	11~100	14~100	12~100	11~100	12~100
EER		kW/kW	4.55	4.30	4.14	4.14	3.97	3.90	3.86
COP		kW/kW	5.23	5.08	4.58	4.51	4.45	4.17	4.13
Power supply		V/Ph/Hz	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60
Rated input2	Cooling	kW	4.92	6.51	8.09	9.66	11.34	12.92	14.49
	Heating	kW	4.78	6.20	8.19	9.98	11.24	13.55	15.25
	Water heating	kW	/	/	/	/	/	/	/
Rated current2	Cooling	A	8.8	11.6	14.5	17.3	20.3	23.1	25.9
	Heating	A	8.5	11.1	14.6	17.8	20.1	24.2	27.3
	Water heating	A	/	/	/	/	/	/	/
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge volume	kg	5.0	5.0	5.2	6.5	7.0	7.5	7.5
Compressor	Type	—	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Quantity	—	1	1	1	1	1	1	1
	Power Input	W	8700	8700	8700	8130	8130	8130	10000
	Crankcase	W	40	40	40	40	40	40	40
	Refrigerant oil type	—	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H
	Refrigerant oil charge Volume	mL/rev	4.6	4.6	4.6	6.1	6.1	6.1	6.1
Fan	Type		Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow
	Quantity		1	1	1	2	2	2	2
Fan Motor	Model	—	SWZ750D	SWZ750D	SWZ750D	SWZ750D	SWZ750D	SWZ750D	SWZ750D
	Insulation class	—	B	B	B	B	B	B	B
	Moisture protection	—	IP44	IP44	IP44	IP44	IP44	IP44	IP44
	Drive Type	—	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive
	Speed (H/M/L)	rpm	0~600	0~675	0~750	0~675	0~795	0~795	0~900
	Power Output	HP	750	750	750	750	750	750	750
	Full Load Amp(FLA)	A	/	/	/	/	/	/	/
	Capacitor	μF	/	/	/	/	/	/	/
Model			SVEP-224AX6	SVEP-280AX6	SVEP-335AX6	SVEP-400AX6	SVEP-450AX6	SVEP-504AX6	SVEP-560AX6
Condenser	Material	—	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin
	Face Area	sq.ft	25.403	25.403	25.403	34.23	34.23	34.23	34.23
		m2	2.36	2.36	2.36	3.18	3.18	3.18	3.18
	Pipe Diameter	mm	φ7	φ7	φ7	φ7	φ7	φ7	φ
	Number of rows	mm	2	2	2	2	2	2	3
	Tube pitch(a)x row pitch(b)	mm	22×19.05	22×19.05	22×19.05	22×19.05	22×19.05	22×19.05	22×19.05
	Fins per Inch(FPI)	—	18	18	18	18	18	18	18
	Fin type	—	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film
Number of circuits	—	20	20	20	20	20	20	26	
Length(L) x Height(H) x Width(W)	mm	1914×38.1×1188	1914×38.1×1188	1914×38.1×1188	2675×38.1×1188	2675×38.1×1188	2675×38.1×1188	2675×57.15×1188	
Airflow rate	m³/h		9750	10500	11100	13500	15400	16000	16500
	CFM		5738	6179	6532	7945	9063	9416	9710
Moisture protection			IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Wiring connection	Area*quantity	mm2	2.5	2.5	4.0	4.0	4.0	6.0	6.0

ODU Combination Lineup

	SVEP-615AX6	SVEP-680AX6	SVEP-730AX6	SVEP-785AX6	SVEP-850AX6	SVEP900AX6	SVEP952AX6	SVEP1010AX6
61.50	68.00	73.00	78.50	85.00	90.00	95.20	101.00	
69.00	76.00	82.50	87.50	95.00	100.00	106.00	112.00	
11~100	10~100	5~100	5~100	4~100	4~100	4~100	4~100	
3.62	3.32	3.40	3.27	3.20	3.14	3.08	3.01	
3.89	3.60	3.78	3.60	3.52	3.39	3.35	3.27	
380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	
17.01	20.50	21.50	24.00	26.60	28.70	30.90	33.60	
17.75	21.11	21.80	24.30	27.00	29.50	31.60	34.20	
/	/	/	/	/	/	/	/	
30.4	36.6	38.4	42.9	47.5	51.3	55.2	60.1	
31.7	37.7	39	43.4	48.3	52.7	56.5	61.1	
/	/	/	/	/	/	/	/	
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
7.8	7.8	11.0	11.0	11.0	12.0	12.0	12.0	
Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	
1	1	2	2	2	2	2	2	
10000	10000	8700+10000	8700+10000	8700+10000	8700+10000	8700+10000	8700+10000	
40	40	40	40	40	40	40	40	
FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	
6.1	6.1	12.2	12.2	12.2	12.2	12.2	12.2	
Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	
2	2	2	2	2	2	2	2	
SWZ750D	SWZ750D	B-SWZ900A	B-SWZ900A	B-SWZ900A	B-SWZ900A	B-SWZ900A	B-SWZ900A	
B	B	B	B	B	B	B	B	
IP44	IP44	IP44	IP44	IP44	IP44	IP44	IP44	
Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	
0~900	0~900	0~750	0~750	0~750	0~825	0~825	0~825	
750	750	900	900	900	900	900	900	
/	/	/	/	/	/	/	/	
/	/	/	/	/	/	/	/	
SVEP-615AX6	SVEP-680AX6	SVEP-730AX6	SVEP-785AX6	SVEP-850AX6	SVEP900AX6	SVEP952AX6	SVEP1010AX6	
Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	Copper tube-Aluminum fin	
34.23	34.23	49.622	49.622	49.622	49.622	49.622	49.622	
3.18	3.18	4.61	4.61	4.61	4.61	4.61	4.61	
Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	
3	3	2	2	2	3	3	3	
22×19.05	22×19.05	22×19.05	22×19.05	22×19.05	22×19.05	22×19.05	22×19.05	
18	18	18	18	18	18	18	18	
wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	wavy and hydrophilic film	
26	26	29	29	29	29	29	29	
2675×57.15×1188	2675×57.15×1188	3494×38.1×1320	3494×38.1×1320	3494×38.1×1320	3494×57.15×1320	3494×57.15×1320	3494×57.15×1320	
16500	16500	26000	26000	26000	28000	28000	28000	
9710	9710	15301	15301	15301	16478	16478	16478	
IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	
10.0	10.0	16.0	16.0	16.0	16.0	16.0	16.0	

Continued: Heat Pump specifications

Connecting pipe	Gas Pipe(to indoor unit)	inch	3/4	0.875	1	1	1.125	1 1/8	1 1/8	
	Liquid(A/C)	inch	3/8	0.375	1/2	1/2	1/2	5/8	5/8	
	Connection method		Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	
Sound pressure level		dB(A)	58	59	61	61	62	63	64	
Outline dimension	W	mm	930	930	930	1340	1340	1340	1340	
	D	mm	775	775	775	775	775	775	775	
	H	mm	1690	1690	1690	1690	1690	1690	1690	
Package dimension	W	mm	1000	1000	1000	1400	1400	1400	1400	
	D	mm	830	830	830	830	830	830	830	
	H	mm	1855	1855	1855	1855	1855	1855	1855	
Net weight		kg	210	210	215	280	280	285	325	
Gross weight		kg	220	220	225	295	295	300	340	
Maximum drive IDU NO.		unit	13	16	19	23	26	29	33	
Max. equivalent connection pipe length		m	200	200	200	200	200	200	200	
Circuit breaker		A	20	25	25	32	32	40	40	
Loading quantity	20'GP		12	12	12	10	10	10	10	
	40' GP		28	28	28	22	22	22	22	
	40' HQ		28	28	28	22	22	22	22	
Operation Range of outdoor unit	Cooling	°C	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15~-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.
	Heating	°C	-25~24	-25~24	-25~24	-25~24	-25~24	-25~24	-25~24	-25~24

Note: "1" is tested under standard condition:
 "2" is tested under rated condition according to CE/Eurovent standard:

1 1/8	1 1/8	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2
5/8	5/8	3/4	3/4	3/4	3/4	3/4	3/4
Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection
65	66	66	67	67	68	68	69
1340	1340	1760	1760	1760	1760	1760	1760
775	775	835	835	835	835	835	835
1690	1690	1795	1795	1795	1795	1795	1795
1400	1400	1828	1828	1828	1828	1828	1828
830	830	913	913	913	913	913	913
1855	1855	1986	1986	1986	1986	1986	1986
325	325	425	425	425	455	455	455
340	340	450	450	450	480	480	480
36	39	43	46	50	53	56	59
200	200	200	200	200	200	200	200
50	50	63	63	63	63	63	63
10	10	6	6	6	6	6	6
22	22	13	13	13	13	13	13
22	22	13	13	13	13	13	13
-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.	-15*-52 *Note: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.
-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24



SV6 Heat Recovery

Sinclair Heat Recovery: Specifications

Model			SVEQ224A6	SVEQ280A6	SVEQ335A6	SVEQ400A6	SVEQ450A6	SVEQ504A6	SVEQ560A6	SVEQ615A6
Capacity	Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.40	56.00	61.50
	Heating	kW	25.00	31.50	37.50	45.00	50.00	56.50	63.00	69.00
Capacity adjustment range		%	17~100	13~100	11~100	14~100	12~100	7~100	7~100	6~100
Power supply		V/Ph/Hz	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60	380-415/3/50/60
Rated power input		kW	12.87	13.15	13.5	21	22	26.3	26.85	27.41
Rated current		kW	20	23.5	24.1	37.5	39.3	47	48	49
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge volume	kg	8.20	8.50	9.60	11.10	11.60	12.80	12.80	13.30
Compressor	Type	—	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2
	Quantity	—	1	1	1	1	1	2	2	2
	Power Input	W	8700	8700	8700	8130	8130	8700*2	8700*2	9700*2
	Crankcase	W	40	40	40	40	40	40*2	40*2	40*2
	Refrigerant oil type	—	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H	FV68H
	Refrigerant oil charge volume	mL/rev	3.5+1.1	3.5+1.1	3.5+1.1	5+1.1	5+1.1	5+2.2	5+2.2	5+2.2
Fan	Type		Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow
	Quantity		1	1	1	2	2	2	2	2
	Diameter-Height	inch	27.6-7.5	27.6-7.5	27.6-7.5	22.7-8.0	22.7-8.0	22.7-8.0	22.7-8.0	22.7-8.0
Fan Motor	Model	—	SWZ750D	SWZ750D	SWZ750D	SWZ750D	SWZ750D	SWZ750D	SWZ750D	SWZ750D
	Insulation class	—	B	B	B	B	B	B	B	B
	Moisture protection	—	IP44	IP44	IP44	IP44	IP44	IP44	IP44	IP44
	Drive Type	—	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive
	Speed (H/M/L)	rpm	0~675	0~675	0~750	0~945	0~945	0~945	0~945	0~945
	Power Output	HP	750	750	750	750	750	750	750	750
Condenser	Material	—	Copper tube-Aluminium fin	Copper tube-Aluminium fin	Copper tube-Aluminium fin	Copper tube-Aluminium fin	Copper tube-Aluminium fin	Copper tube-Aluminium fin	Copper tube-Aluminium fin	Copper tube-Aluminium fin
	Face Area	sq.ft	25.40	25.40	25.40	34.23	34.23	34.23	34.23	34.23
		m ²	2.36	2.36	2.36	3.18	3.18	3.18	3.18	3.18
	Pipe Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
	Number of rows	mm	2	2	3	2	2	3	3	3
	Tube pitch(a)x row pitch(b)	mm	22x13.05	22x19.05	22x19.05	22x19.05	22x19.05	22x19.05	22x19.05	22x19.05
	Fins per inch (FPI)	—	18	18	18	18	18	18	18	18
	Number of circuits	—	20	20	26	20	20	26	26	26
Airflow Rate		m ² /h	9750	10500	11100	13500	15400	16500	16500	16500
		CFM	5738	6179	6532	7945	9.63	9710	9710	9710
Moisture protection			IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Wiring connection	Area*quantity	mm ²	2.5	2.5	4.0	6.0	6.0	10.0	10.0	10.0
Connecting pipe	Gas (High pressure, to AC)	inch	5/8	3/4	3/4	7/8	7/8	1	1	1
	Gas (Low pressure, to AC)	inch	3/4	7/8	1	1	1-1/8	1-1/8	1-1/8	1-1/8
	Liquid (AC)	inch	3/8	3/8	1/2	1/2	1/2	0.625	0.625	0.625
	Connection method		Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection
Outline Dimension	W	mm	930	930	930	1340	1340	1340	1340	1340
	D	mm	775	775	775	775	775	775	775	775
	H	mm	1690	1690	1690	1690	1690	1690	1690	1690
Package Dimension	W	mm	1000	1000	1000	1400	1400	1400	1400	1400
	D	mm	830	830	830	830	830	830	830	830
	H	mm	1855	1855	1855	1855	1855	1855	1855	1855
Circuit breaker		A	25	25	25	40	40	50	50	50
Net weight		kg	243	243	256	325	325	385	385	385
Gross weight		kg	253	253	266	340	340	400	400	400
Maximum drive IDU No.		unit	13	16	19	23	26	29	33	36
Max. equivalent connection pipe length		m	200	200	200	200	200	200	200	200

SV6

SV6 HR Outdoor Units Lineup

Model	SVEQ-224A6	SVEQ-280A6	SVEQ-335A6	SVEQ-400A6	SVEQ-450A6	SVEQ-504A6	SVEQ-560A6	SVEQ-615A6
1 SVEQ-224A6	●							
2 SVEQ-280A6		●						
3 SVEQ-335A6			●					
4 SVEQ-400A6				●				
5 SVEQ-450A6					●			
6 SVEQ-505A6						●		
7 SVEQ-560A6							●	
8 SVEQ-615A6								●
9 SVEQ-680A6		●		●				
10 SVEQ-730A6		●			●			
11 SVEQ-784A6		●				●		
12 SVEQ-840A6		●					●	
13 SVEQ-895A6		●						●
14 SVEQ-950A6			●					●
15 SVEQ-1015A6				●				●
16 SVEQ-1065A6					●			●
17 SVEQ-1119A6						●		●
18 SVEQ-1175A6							●	●
19 SVEQ-1230A6								●●
20 SVEQ-1290A6		●			●		●	
21 SVEQ-1345A6		●			●			●
22 SVEQ-1400A6			●		●			●
23 SVEQ-1455A6		●					●	●
24 SVEQ-1510A6		●						●●
25 SVEQ-1565A6			●					●●
26 SVEQ-1630A6				●				●●
27 SVEQ-1680A6					●			●●
28 SVEQ-1734A6						●		●●
29 SVEQ-1790A6							●	●●
30 SVEQ-1845A6								●●●
31 SVEQ-1905A6		●			●		●	●
32 SVEQ-1959A6		●				●	●	●
33 SVEQ-2015A6		●					●●	●
34 SVEQ-2070A6		●					●	●●
35 SVEQ-2125A6		●						●●●
36 SVEQ-2180A6			●					●●●
37 SVEQ-2245A6				●				●●●
38 SVEQ-2295A6					●			●●●
39 SVEQ-2349A6						●		●●●
40 SVEQ-2405A6							●	●●●
41 SVEQ-2460A6								●●●●

Specifications of ODU Combination

SV6 HR (380-415V 3N~50/60Hz)

HP	Model	Power supply	Capacity		Dimension (W×D×H)	Airflow volume	ESP	Connecting pipe			Min. circuit current	Max. fuse current	Net weight
			Cooling capacity	Heating capacity				Liquid	HP gas	LP gas			
			kW	kW	mm	m ³ /h	Pa	mm	mm	mm	A	A	kg
9	SVEQ-680A6	380-415V 3N~50/60 Hz	68.0	76.5	930 × 775 × 1690+1340 × 775 × 1690	10500+13500	110	Φ15.9	Φ25.4	Φ28.6	23.5+37.5	25+40	243+325
10	SVEQ-730A6		73.0	81.5	930 × 775 × 1690+1340 × 775 × 1690	10500+15400	110	Φ19.05	Φ28.6	Φ31.8	23.5+39.3	25+40	243+325
11	SVEQ-784A6		78.4	88.0	930 × 775 × 1690+1340 × 775 × 1690	10500+16000	110	Φ19.05	Φ28.6	Φ31.8	23.5+47	25+50	243+385
12	SVEQ-840A6		84.0	94.5	930 × 775 × 1690+1340 × 775 × 1690	10500+16500	110	Φ19.05	Φ28.6	Φ31.8	23.5+48	25+50	243+385
13	SVEQ-895A6		89.5	100.5	930 × 775 × 1690+1340 × 775 × 1690	10500+16500	110	Φ19.05	Φ28.6	Φ31.8	23.5+49	25+50	243+385
14	SVEQ-950A6		95.0	106.5	930 × 775 × 1690+1340 × 775 × 1690	11100+16500	110	Φ19.05	Φ28.6	Φ31.8	24.1+49	25+50	256+385
15	SVEQ-1015A6		101.5	114.0	(1340 × 775 × 1690) × 2	13500+16500	110	Φ19.05	Φ31.8	Φ38.1	37.5+49	40+50	325+385
16	SVEQ-1065A6		106.5	119.0	(1340 × 775 × 1690) × 2	15400+16500	110	Φ19.05	Φ31.8	Φ38.1	39.3+49	40+50	325+385
17	SVEQ-1119A6		111.9	125.5	(1340 × 775 × 1690) × 2	16000+16500	110	Φ19.05	Φ31.8	Φ38.1	47+49	50+50	385 × 2
18	SVEQ-1175A6		117.5	132.0	(1340 × 775 × 1690) × 2	16500 × 2	110	Φ19.05	Φ31.8	Φ38.1	48+49	50+50	385 × 2
19	SVEQ-1230A6		123.0	138.0	(1340 × 775 × 1690) × 2	16500 × 2	110	Φ19.05	Φ31.8	Φ38.1	49+49	50+50	385 × 2
20	SVEQ-1290A6		129.0	144.5	930 × 775 × 1690+(1340 × 775 × 1690) × 2	10500+15400+16500	110	Φ19.05	Φ31.8	Φ38.1	23.5+39.3+48	25+40+50	243+325+385
21	SVEQ-1345A6		134.5	150.5	930 × 775 × 1690+(1340 × 775 × 1690) × 2	10500+15400+16500	110	Φ19.05	Φ31.8	Φ38.1	23.5+39.3+49	25+40+50	243+325+385
22	SVEQ-1400A6		140.0	156.5	930 × 775 × 1690+(1340 × 775 × 1690) × 2	11100+15400+16500	110	Φ19.05	Φ38.1	Φ41.3	24.1+39.3+49	25+40+50	256+325+385
23	SVEQ-1455A6		145.5	163.5	930 × 775 × 1690+(1340 × 775 × 1690) × 2	10500+16500 × 2	110	Φ19.05	Φ38.1	Φ41.3	23.5+48+49	25+50+50	243+385 × 2
24	SVEQ-1510A6		151.0	169.5	930 × 775 × 1690+(1340 × 775 × 1690) × 2	10500+16500 × 2	110	Φ19.05	Φ38.1	Φ41.3	23.5+49+49	25+50+50	243+385 × 2
25	SVEQ-1565A6		156.5	175.5	930 × 775 × 1690+(1340 × 775 × 1690) × 2	11100+16500 × 2	110	Φ19.05	Φ38.1	Φ41.3	24.1+49+49	25+50+50	256+385 × 2
26	SVEQ-1630A6		163.0	183.0	(1340 × 775 × 1690) × 3	13500+16500 × 2	110	Φ19.05	Φ38.1	Φ41.3	37.5+49+49	40+50+50	325+385 × 2
27	SVEQ-1680A6		168.0	188.0	(1340 × 775 × 1690) × 3	15400+16500 × 2	110	Φ19.05	Φ38.1	Φ41.3	39.3+49+49	40+50+50	325+385 × 2
28	SVEQ-1734A6		173.4	194.5	(1340 × 775 × 1690) × 3	16000+16500 × 2	110	Φ19.05	Φ38.1	Φ41.3	47+49+49	50+50+50	385 × 3
29	SVEQ-1790A6		179.0	201.0	(1340 × 775 × 1690) × 3	16500 × 3	110	Φ19.05	Φ38.1	Φ41.3	48+49+49	50+50+50	385 × 3
30	SVEQ-1845A6		184.5	207.0	(1340 × 775 × 1690) × 3	16500 × 3	110	Φ19.05	Φ38.1	Φ41.3	49+49+49	50+50+50	385 × 3
31	SVEQ-1905A6		190.5	213.5	930 × 775 × 1690+(1340 × 775 × 1690) × 3	10500+15400+16500 × 2	110	Φ22.2	Φ41.3	Φ44.5	23.5+39.3+48+49	25+40+50+50	243+325+385 × 2
32	SVEQ-1959A6		195.9	220.0	930 × 775 × 1690+(1340 × 775 × 1690) × 3	10500+16000+16500 × 2	110	Φ22.2	Φ41.3	Φ44.5	23.5+47+48+49	25+50+50+50	243+385 × 3
33	SVEQ-2015A6		201.5	226.5	930 × 775 × 1690+(1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ41.3	Φ44.5	23.5+48+48+49	25+50+50+50	243+385 × 3
34	SVEQ-2070A6		207.0	232.5	930 × 775 × 1690+(1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ41.3	Φ44.5	23.5+48+49+49	25+50+50+50	243+385 × 3
35	SVEQ-2125A6		212.5	238.5	930 × 775 × 1690+(1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ41.3	Φ44.5	23.5+49+49+49	25+50+50+50	243+385 × 3
36	SVEQ-2180A6		218.0	244.5	930 × 775 × 1690+(1340 × 775 × 1690) × 3	11100+16500 × 3	110	Φ22.2	Φ41.3	Φ44.5	24.1+49+49+49	25+50+50+50	256+385 × 3
37	SVEQ-2245A6		224.5	252.0	(1340 × 775 × 1690) × 4	13500+16500 × 3	110	Φ22.2	Φ41.3	Φ44.5	37.5+49+49+49	40+50+50+50	325+385 × 3
38	SVEQ-2295A6		229.5	257.0	(1340 × 775 × 1690) × 4	15400+16500 × 3	110	Φ22.2	Φ41.3	Φ44.5	39.3+49+49+49	40+50+50+50	325+385 × 3
39	SVEQ-2349A6		234.9	263.5	(1340 × 775 × 1690) × 4	16000+16500 × 3	110	Φ22.2	Φ41.3	Φ44.5	47+49+49+49	50+50+50+50	385 × 4
40	SVEQ-2405A6		240.5	270.0	(1340 × 775 × 1690) × 4	16500 × 4	110	Φ22.2	Φ41.3	Φ44.5	48+49+49+49	50+50+50+50	385 × 4
41	SVEQ-2460A6		246.0	276.0	(1340 × 775 × 1690) × 4	16500 × 4	110	Φ22.2	Φ41.3	Φ44.5	49+49+49+49	50+50+50+50	385 × 4

Note: The combination models of the outdoor units are not Eurovent certified.

Page 20 and Page 21 models to be cross referenced

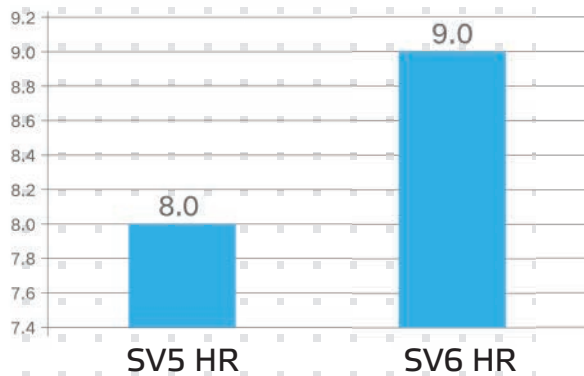
Multiple Functions in One Unit

This unit can perform air cooling, air heating, and water heating simultaneously, satisfying customers' various needs for air conditioning, hot water and floor heating. It is a comprehensive solution for customers.



High Energy Efficiency - SCHE up to 9.0

It adopts heat recovery energy-saving control technology, high-efficiency enthalpy-adding DC inverter compressor and high-efficiency DC motor to optimize its capabilities. In the state of heat recovery, its comprehensive energy efficiency (SCHE*) can be 9.0 which is more energy-saving.

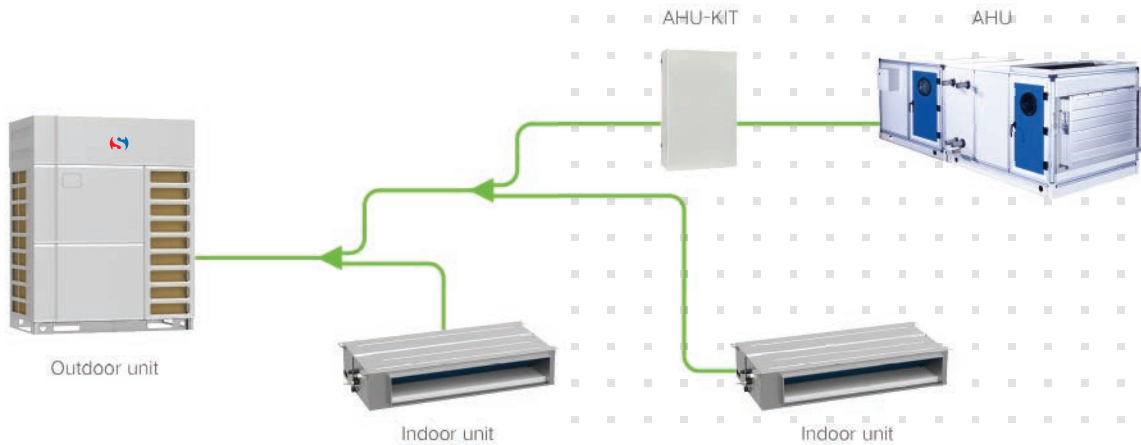


SCHE
↑
12.5%

*SCHE (Simultaneous Cooling & Heating Efficiency): the ratio of the total capacity of the system (heating and cooling capacity) to the effective power when operating in heat recovery mode.

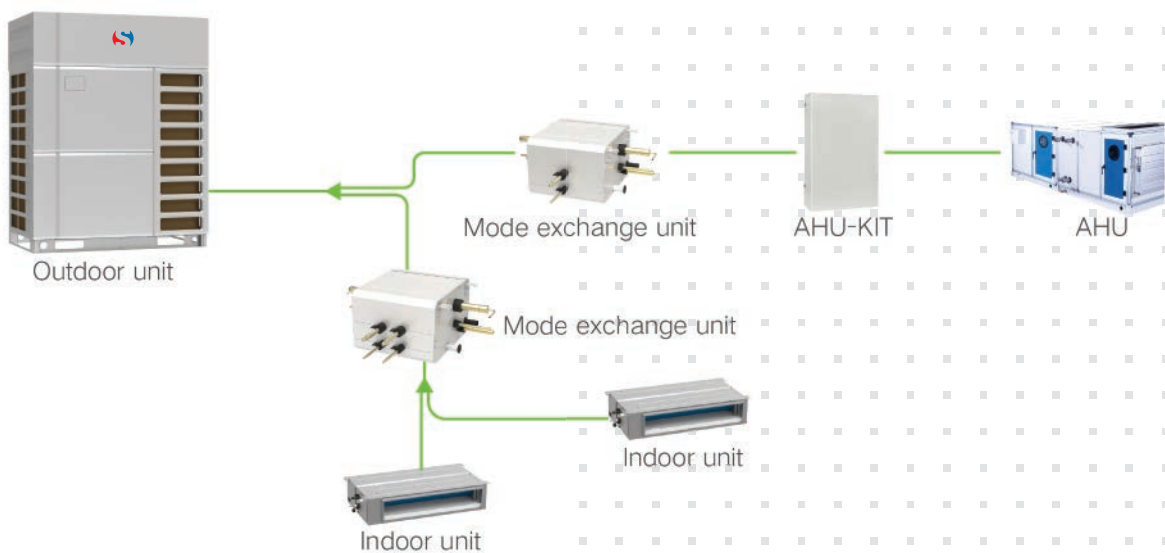
VRF Condensers/AHU Connections

Sinclair direct-expansion air handling unit can be connected to Sinclair VRF system, so that the air handling unit is with the functions of VRF system and can meet the cooling/heating requirement in large-scale spaces. This air handling unit can be equipped with purification devices with various filter grades to meet the purification requirements of different occasions.



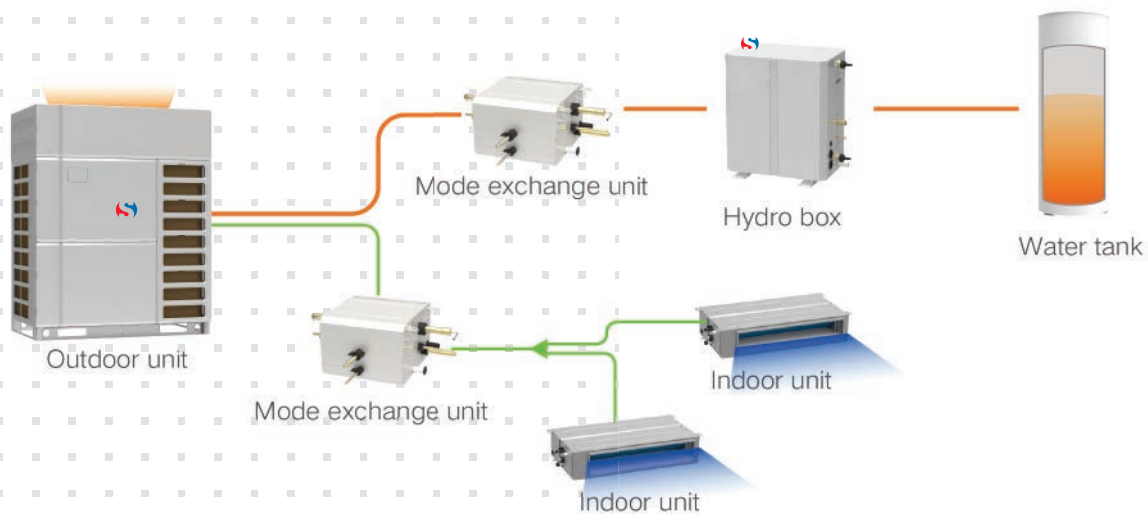
Purification System

Sinclair DX AHU (direct-expansion air handling unit) can be connected to Sinclair VRF system, so that the air handling unit has the functions of the VRF system and can meet the cooling/heating requirement in large places. This air handling unit can be equipped with purification devices with various filter grades to meet the purification requirements in different applications.



Auto Heat Recovery Function of Cooling

In summer, when the unit is in cooling mode, even if the hydro box is shut down, it can still recover waste heat according to the water temperature of the water tank, and transfer the heat to the water rather than discharge it into the atmosphere. In summer, you can enjoy not only cool air but also free hot water.



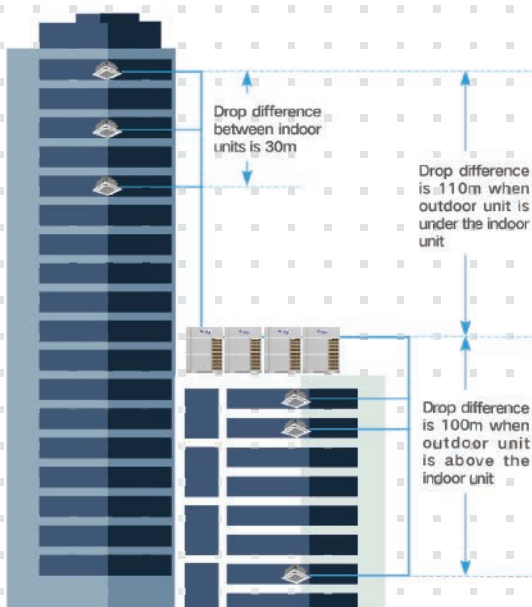
Note: This function defaults to be on before ex-factory. It can be turned off in setting.

Flexible Engineering Design

Wide Capacity Range

Basic modules are designed with large capacity. The maximum capacity is further improved, which can satisfy various engineering needs and increase the construction efficiency.

Super Long Refrigerant Pipe Design



SV6 combines high drop pressure control technology, indoor unit drop identification technology, intermediate pressure adjustment technology, tube length self-correction technology, and deep sub-cooling technology to increase the length of piping and improve the air conditioning effect.

- The maximum actual single pipe length is 200m the maximum equivalent single pipe length is 240m, and the maximum piping length is 1,000m
- The maximum length after the first branch pipe is 120m.
- The maximum drop of indoor and outdoor units is 110m * (100m when the outdoor unit is in upper position) *.
- The maximum drop between indoor units is 30m.

*Please consult the sales representative for details.

Hydro Box

Wide Capacity Range

There are two capacity options for a single unit: 16/30kWm, which can satisfy different engineering requirements.







16/30kW

Consult your nearest sales representative to confirm availability

Model		SVEW16A6	SVEW30A6
Hot water heating capacity	kW	4.5(3.6~16)	4.5(3.6~30)
Max setting temperature of domestic hot water	°C	55(35~55)	55(35~55)
Floor heating capacity	kW	16	30
Max setting temperature of floor heating	°C	45(25~45)	45(25~45)
Power supply	-	220~240V-1ph-50Hz 208~230V-1ph-60Hz	220~240V-1ph-50Hz 208~230V-1ph-60Hz
Heat exchanger	Type	-	Plate heat exchanger
	Quantity	-	1
	Rated water flow	L/min	46
	Pressure drop	kPa	27.5
Water system connection	Diameter of inlet/outlet water pipe	mm	Φ25
	Thread specification	-	G1
Refrigerant system connection	Gas pipe	mm	Φ15.9
	Liquid pipe	mm	Φ9.52
Outline dimension(W×D×H)	mm	515×330×606	515×330×606
Net weight	kg	36	40

Mode Exchange Unit














Model	Product Appearance	Model	Product Appearance
SVM01A6		SVM04A6	
SVM02A6		SVM08A6	

Model			SVM01A6	SVM02A6	SVM04A6	SVM08A6	
Number of branches		unit	1	2	4	8	
Max. number of connectable IDUs	Per branch	unit	8	8	8	8	
	Total	unit	8	16	32	64	
Max. capacity of connectable IDUs	Per branch	kW	16	16	16	16	
	Total	kW	16	28	45	85	
Power supply		V/Ph/Hz	220-240V ~ 50/60Hz				
Power consumption		Cooling	W	14	25	32	90
		Heating	W	14	25	32	90
Piping connections	ODU	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ15.9
		High pressure gas	mm	Φ19.05	Φ19.05	Φ22.2	Φ22.2
		Low pressure gas	mm	Φ22.2	Φ22.2	Φ28.6	Φ28.6
	IDU	Liquid	mm	Φ6.35/9.52	Φ6.35/9.52	Φ6.35/9.52	Φ6.35/9.52
		Gas	mm	Φ12.7/15.9	Φ12.7/15.9	Φ12.7/15.9	Φ12.7/15.9
Dimension(W×D×H)		Outline	mm	340×388×250	340×388×250	460×388×250	784×388×250
		Package	mm	863×624×298	863×624×298	979×624×303	1300×624×288
Net weight/Gross weight		kg	12/17.5	14.5/20.5	20.6/27	33/42	



SV6 / SV6 HR INDOOR UNITS

Indoor Unit Lineup

Type		1.5	1.8	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	22.4	25.0	28.0	40.0	45.0	56.0	
Duct Type Unit	High Static Pressure 			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•
	General Static Pressure 		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•									
Cassette Unit	360 ° Air Discharge 			•		•		•		•	•	•	•	•	•	•	•	•	•	•									
	360 ° Air Discharge Compact 	•	•	•		•		•		•	•	•																	
	2-way 					•		•		•	•	•	•	•	•														
	1-way 			•		•		•		•	•	•																	
Fresh Air Processing Indoor Unit 																				•	•			•	•	•		•	
Wall-mounted Type Unit 	•	•	•		•		•		•	•	•	•	•	•	•	•	•												
Floor Ceiling Type Indoor Unit 					•		•			•	•	•	•	•		•		•	•	•	•								
Floor Standing Type Indoor Unit 																	•				•								
Console Indoor Unit 			•		•		•		•	•																			
Concealed Floor Standing Type Indoor Unit 			•		•		•		•		•	•	•	•															
AHU KIT 								•							•						•					•			•

Duct Type Indoor Unit

General Static Pressure Duct Type Indoor Unit

- Capacity range 1.8-14kW
- External static pressure can be up to 80Pa
- Standard fitting condensate pump lift; maximum lifting height can be up to 1.2m
- Multiple protections: anti-freeze protection, temperature sensor faulted protection and other multiple guarantees



High Static Pressure Duct Type Unit

- External static pressure can be up to 250Pa
- Standard fitting condensate water pump lift; lifting height can be up to 1.2m
- Optional PM2.5 electrostatic fiber filter
- 9-step static pressure for adjustment, convenient for engineering application



Fresh Air Processing Indoor Unit

- DC inverter technology
- Direct evaporating cooling
- Air conditioner and fresh air function is linked



Cassette Type Indoor Unit

1-way Cassette Unit

- 178mm ultra-thin unit body
- Removable grille, with long life filter
- Standard fitting 1.2m condensate pump lift
- High ceiling function; highest corresponding height is 3.5m



2-way Cassette Indoor Unit

- 2-way air flow design, suitable to narrow and long room
- Standard fitting 1.2m condensate water pump lift
- Streamline panel design, elegant and decent



360° Air Discharge Cassette Indoor Unit

- 360° air supply
- Smart sensor technology for smart air flow adjustment*
- Standard fitting 1.2m pump lift

*This function is optional.



360° Air Discharge Compact Cassette Indoor Unit

- Independent Swing Control
- 360° air supply
- DC quiet condensate pump
- DC motor design for more energy-saving operation
- Multiple protection functions for safe and reliable operation
- Brand new designed air duct and fan blade for lower operating noise
- Compact design for more convenient installation



Wall-Mounted Type Indoor Unit

- High-efficiency and energy-saving DC motor
- Long-life filter, removable and washable panel and filter for easy maintenance
- Wall-mounted installation, beautiful panel, uniform air flow and up&down 2-way air supply



Floor Ceiling Type Indoor Unit

- Streamlined appearance design, bright white color, pleasing to the eye
- Floor seated or ceiling mounted, flexible installation
- Compact structural design, saving installation space
- Optional fresh air intake, to meet your high quality living standard



Console Indoor Unit

- Uniform temperature distribution, high comfort
- Easy installation without suspended ceiling; arrangement of refrigerant pipe is flexible
- Two-way air supply, upper and lower two air outlets in upper and lower side respectively, 3D air supply



Floor Standing Type

- Up and down swing, long air supply distance
- Long-life filter, removable and washable panel and filter for easy maintenance
- With I-feel function, can detect the temperature of user's position in real time to improve comfort (work with remote controller YAP1F)



Concealed Floor Standing Type

- Capacity rate:2,2~7.1kW
- Compact structure, ultra-thin unit body, only 200mm thickness in vertical installation
- Different steps of static pressure for adjustment; highest static pressure can be up to 60Pa
- Flexible installation, supporting feet design in different height, and can realize flexible switch of lower air return and side air return



AHU-KIT

- Independent design, convenient for installation
- Can connect to the third party controller
- Malfunction signal access, safe and reliable



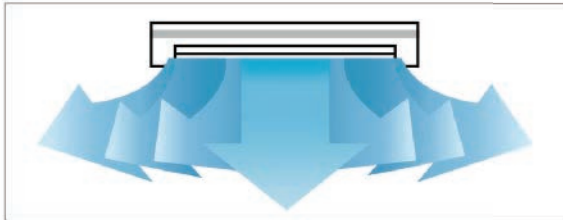


Floor Standing Type

With large cooling capacity and a space-saving vertical structure, it is widely applied in houses, hotels, restaurants, chain stores, offices, and meeting rooms to provide users with a comfortable and pleasant living and working environment.



● Up and Down Swing, Long Air Supply Distance



● Washable Filter

The long-term filter can be disassembled and cleaned, for easier maintenance.

● Quiet Design

By adopting high-efficiency centrifugal fan blades and quiet valves, noise of the complete unit is greatly reduced.

*Work with remote control YAP1F

● Strong and Fast

By adopting intelligent temperature control technology, with powerful and rapid cooling/heating function, it can make indoor temperature quickly reach the set temperature.

● I Feel Function

After the user turns on this function, the unit can detect the temperature of the user's location in real time and adjust to improve user comfort.

*Work with remote control YAP1F

● Multiple Protection Functions

Anti-freezing protection, fan motor built-in overload protection and temperature sensor error protection.

Refer to page 41 for specifications

Specifications of Indoor Units



Indoor Unit

AHU-KIT

Model		SAHU-36A6	SAHU-71A6				SAHU-140A6			SAHU-280A6					SAHU-560A6				
Defaulted capacity of ex-factory	Capacity	36		71				140			280					560			
	Cooling	3.6		7.1				14.0			28.0					56.0			
	Heating	4.0		8.0				16.0			31.5					63.0			
Adjustable capacity	Capacity	28	36	45	56	71	90	112	140	224	280	335	400	450	504	560	840		
	Cooling	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0	84.0		
	Heating	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	25.0	31.5	37.5	45.0	50.0	56.5	63.0	94.5		
Power input	W	8		8				8			8					8			
Power Supply	V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz																	
Size of connection pipe	AHU-KIT (ex-factory pipe size)	mm	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ15.9	Φ15.9	Φ15.9	
	Air handling unit	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ19.05	
	Gas pipe	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6	Φ31.8	
Connection method		Brazing Connection																	
Outline dimension (W×D×H)	EXV box	mm	203×326×85			203×326×85			203×326×85			203×326×85					246×500×120		
	Control box	mm	334×284×111			334×284×111			334×284×111			334×284×111					334×284×111		
Package dimension(W×D×H)	mm	539×461×247			539×461×247			539×461×247			539×461×247					759×645×180			
Net weight	kg	10.0		10.5				10.5			10.5					13.0			
Gross weight	kg	13.0		13.5				13.5			13.5					17.5			
Loading	40' GP	unit	990		990				990			990					702		
	40' HQ	unit	1100		1100				1100			1100					756		

Model		SAHU-560A6 +SAHU-140A6	SAHU-560A6 +SAHU-280A6	SAHU-560A6 +SAHU-560A6	SAHU-560A6 +SAHU-560A6 +SAHU-140A6	SAHU-560A6 +SAHU-560A6 +SAHU-280A6	SAHU-560A6 +SAHU-560A6 +SAHU-560A6				
Defaulted capacity of ex-factory	Capacity	840+140	840+280	840+560	840+840	840+840+140	840+840+280	840+840+560	840+840+840		
	Cooling	98.0	112.0	140.0	168.0	182.0	196.0	224.0	252.0		
	Heating	110.5	126.0	157.5	189.0	204.5	220.5	252.0	283.5		
Power input	W	8+8	8+8	8+8	8+8+8	8+8+8	8+8+8	8+8+8	8+8+8		
Power Supply	V/Ph/Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz									
Size of connection pipe	Air handling unit	Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ22.2
		Gas pipe	mm	Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ41.3	Φ44.5	Φ44.5	Φ44.5
	Connection method		Brazing Connection								
Outline dimension (W×D×H)	EXV box	mm	246×500×120 +203×326×85	246×500×120 +203×326×85	(246×500×120)×2	(246×500×120)×2 +203×326×85	(246×500×120)×2 +203×326×85	(246×500×120)×2 +203×326×85	(246×500×120)×3	(246×500×120)×3	
	Control box	mm	(334×284×111)×2	(334×284×111)×2	(334×284×111)×2	(334×284×111)×3	(334×284×111)×3	(334×284×111)×3	(334×284×111)×3	(334×284×111)×3	
Package dimension(W×D×H)	mm	759×645×180+539×461×247	759×645×180+539×461×247	(759×645×180)×2	(759×645×180)×2 +539×461×247	(759×645×180)×2 +539×461×247	(759×645×180)×2 +539×461×247	(759×645×180)×3	(759×645×180)×3		
Net weight	kg	13.0+10.5	13.0+10.5	13.0+13.0	13.0+13.0+10.5	13.0+13.0+10.5	13.0+13.0+10.5	13.0+13.0+10.5	13.0+13.0+10.5		
Gross weight	kg	17.5+13.5	17.5+13.5	17.5+17.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+13.5		



Compact Cassette 8-Way

Model			SVIC-15AA6	SVIC-18AA6	SVIC-22AA6	SVIC-28AA6	SVIC-36AA6	SVIC-45AA6	SVIC-50AA6	SVIC-56AA6
Capacity	Cooling	kW	1.5	1.8	2.2	2.8	3.6	4.5	5	5.6
	Heating	kW	1.8	2.2	2.5	3.2	4	5	5.6	6.3
Power supply		V/Ph/Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz	220-240V~1Ph~50Hz
Power Consumption	Cooling	W	30	30	30	30	30	450	450	450
	Heating	kW	30	30	30	30	30	450	450	450
Airflow Volume (H/M/L)		m³/h	460/420/370	460/420/370	500/460/370	570/480/420	620/550/480	730/650/560	730/650/560	730/650/560
Rated current	Cooling	A	0.15	0.15	0.15	0.15	0.15	0.23	0.23	0.23
	Heating	A	0.15	0.15	0.15	0.15	0.15	0.23	0.23	0.23
Sound Pressure Level (H/M/L)		dB(A)	33/30/25	33/30/25	36/31/25	36/33/28	39/37/35	43/41/39	43/41/39	43/41/39
Sound Power Level (H/M/L)		dB(A)	51/48/43	51/48/43	54/49/43	54/51/46	57/55/53	61/59/57	61/59/57	61/59/57
Connecting Pipe	Liquid	mm/inch	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ9.52/3/8"
	Heating	mm/inch	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ12.7/1/2"	Φ12.7/1/2"	Φ12.7/1/2"	Φ15.9/5/8"
Drain Pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body	Dimension (WxDxH)	Outline (WxDxH)	mm	570x570x265	570x570x265	570x570x265	570x570x265	570x570x265	570x570x265	570x570x265
		Package (LxWxH)	mm	698x653x295	698x653x295	698x653x295	698x653x295	698x653x295	698x653x295	698x653x295
	Net weight/Gross weight	kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5
Panel	Model			ASCG05	ASCG05	ASCG05	ASCG05	ASCG05	ASCG05	ASCG05
	Dimension (WxDxH)	Outline (WxDxH)	mm	620x620x47.5	620x620x47.5	620x620x47.5	620x620x47.5	620x620x47.5	620x620x47.5	620x620x47.5
		Package (LxWxH)	mm	701x701x125	701x701x125	701x701x125	701x701x125	701x701x125	701x701x125	701x701x125
Net Weight/Gross Weight	kg	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5	3/4.5	
Loading Quantity	20' GP	unit	168	168	168	168	168	168	168	168
	40' HQ	unit	432	432	432	432	432	432	432	432
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Fuse Current			A	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Fan Type			Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Evaporator Max. Allowance Pressure			Mpa	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Recommended Power Cable			N-Core	3	3	3	3	3	3	3
Cross Sectional Area of Power Cable Conductor			mm²	1	1	1	1	1	1	1
Circuit breaker			A	6	6	6	6	6	6	6

Cassette 8-Way

Model			SVIC-56AB6	SVIC-63AB6	SVIC-71AB6	SVIC-80AB6	SVIC-90AB6	SVIC-100AB6	SVIC-112AB6	SVIC-125AB6	SVIC-140AB6	SVIC-160AB6
Capacity	Cooling	kW	5.6	6.3	7.1	8	9	10	11.2	12.5	14	16
	Heating	kW	6.3	7.1	8	9	10	11.2	12.5	14	16	18
Power supply		V/Ph/Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz	220-240V~1Ph~5Hz
Power Consumption	Cooling	W	35	60	60	80	80	80	115	115	115	170
	Heating	kW	35	56	56	76	76	76	111	111	111	170
Airflow Volume (H/M/L)		m³/h	950/850/750	1150/950/850	1150/950/850	1250/1000/900	1250/1000/900	1250/1000/900	1650/1300/1100	1650/1300/1100	1650/1800/1100	2000/180/1430
Rated current	Cooling	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	1.2
	Heating	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	1.2
Sound Pressure Level (H/M/L)		dB(A)	37/33/30	37/34/31	37/34/31	39/37/34	39/37/34	39/37/34	43/41/39	43/41/39	43/41/39	51/48/42
Connecting Pipe	Liquid	mm/inch	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"
	Heating	mm/inch	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ19.05/3/4"
Drain Pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body	Dimension (WxDxH)	Outline (WxDxH)	mm	840x840x240	840x840x240	840x840x240	840x840x240	840x840x240	840x840x290	840x840x290	840x840x290	840x840x290
		Package (LxWxH)	mm	963x963x325	963x963x325	963x963x325	963x963x325	963x963x325	963x963x379	963x963x379	963x963x379	963x963x379
	Net weight/Gross weight	kg	28/36	28/36	28/36	29/37	29/37	29/37	33/42	33/42	33/42	36/44
Panel	Model			ASCG06	ASCG06	ASCG06	ASCG06	ASCG06	ASCG06	ASCG06	ASCG06	ASCG06
	Dimension (WxDxH)	Outline (WxDxH)	mm	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65
		Package (LxWxH)	mm	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110	1033x1020x110
Net Weight/Gross Weight	kg	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	6/9.5	
Loading Quantity	20' GP	unit	57	57	57	57	57	57	57	57	57	57
	40' HQ	unit	144	144	144	144	144	144	144	144	144	144
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Fuse Current			A	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Fan Type			Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Evaporator Max. Allowance Pressure			Mpa	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Standard Controller			YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F
Recommended Power Cable			N-Core	3	3	3	3	3	3	3	3	3
Cross Sectional Area of Power Cable Conductor			mm²	1	1	1	1	1	1	1	1	1
Circuit breaker			A	6	6	6	6	6	6	6	6	6

Cassette 1-Way

Model			SVIC-22AC6	SVIC-28AC6	SVIC-36AC6	SVIC-45AC6	SVIC-50AC6	SVIC-56AC6
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5	5.6
	Heating	kW	2.5	3.2	4	5	5.6	6.3
Power supply		V/Ph/Hz	220-2240 ~ 1Ph ~ 50Hz	220-2240 ~ 1Ph ~ 50Hz	220-2240 ~ 1Ph ~ 50Hz	220-2240 ~ 1Ph ~ 50Hz	220-2240 ~ 1Ph ~ 50Hz	220-2240 ~ 1Ph ~ 50Hz
Power Consumption	Cooling	W	30	30	30	45	45	45
	Heating	kW	30	30	30	45	45	45
Airflow Volume (H/M/L)		m³/h	600/500/450	600/500/450	600/500/450	830/600/500	830/600/500	890/667/564
Rated current	Cooling	A	0.2	0.2	0.2	0.3	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.3	0.3	0.3
Sound Pressure Level (H/M/L)		dB(A)	36/32/22	36/32/22	36/32/22	40/35/30	40/35/30	41/38/35
Sound Power Level (H/M/L)		dB(A)	46/42/38	46/42/38	46/42/38	50/45/40	50/45/40	51/48/45
Connecting Pipe	Liquid	mm/inch	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ9.52/3/8"
	Gas	mm/inch	Φ9.52/3/8"	Φ9.52/3/8"	Φ12.7/1/2"	Φ12.7/1/2"	Φ12.7/1/2"	Φ15.9/5/8"
Drain Pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Main Body	Dimension (WxDxH)	Outline (WxDxH)	mm	987×385×178	987×385×178	987×385×178	987×385×178	987×385×178
		Package (LxWxH)	mm	1307×501×310	1307×501×310	1307×501×310	1307×501×310	1307×501×310
	Net weight/Gross weight		kg	20/27	20/27	20/27	20/27	20/27
Panel	Model		ASCG01	ASCG01	ASCG01	ASCG01	ASCG01	ASCG01
	Dimension (WxDxH)	Outline (WxDxH)	mm	1200×460×55	1200×460×55	1200×460×55	1200×460×55	1200×460×55
		Package (LxWxH)	mm	1265×536×121	1265×536×121	1265×536×121	1265×536×121	1265×536×121
Net Weight/Gross Weight		kg	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6	
Loading Quantity	20' GP	unit	98	98	98	98	98	98
	40' HQ	unit	242	242	242	242	242	242
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Fuse Current		A	3.15	3.15	3.15	3.15	3.15	3.15
Fan Type			Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow
Evaporator Max. Allowance Pressure		Mpa	4.2	4.2	4.2	4.2	4.2	4.2
Standard Controller			YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F
Recommended Power Cable		N-Core	3	3	3	3	3	3
Cross Sectional Area of Power Cable Conductor		mm²	1	1	1	1	1	1
Circuit breaker		A	6	6	6	6	6	6

Cassette 2-Way

Model			SVIC-28AD6	SVIC-36AD6	SVIC-45AD6	SVIC-50AD6	SVIC-56AD6	SVIC-63AD6	SVIC-71AD6	SVIC-80AD6
Capacity	Cooling	kW	2.8	3.6	4.5	5	5.6	6.3	7.1	8
	Heating	kW	3.3	4	5	5.6	6.3	7.1	8	9
Power supply		V/Ph/Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz
Power Consumption	Cooling	W	20	20	30	30	30	30	55	55
	Heating	kW	20	20	30	30	30	30	55	55
Airflow Volume (H/M/L)		m³/h	671/616/513	671/616/513	715/616/513	715/616/513	764/709/676	764/709/676	816/745/660	816/745/660
Rated current	Cooling	A	0.25	0.25	0.3	0.3	0.3	0.3	0.49	0.49
	Heating	A	0.25	0.25	0.3	0.3	0.3	0.3	0.49	0.49
Sound Pressure Level (H/M/L)		dB(A)	33/31/28	33/31/28	35/31/28	35/31/28	37/35/32	37/35/32	39/37/34	39/37/34
Sound Power Level (H/M/L)		dB(A)	45/42/41	45/42/40	46/44/41	45/43/41	47/45/44	47/45/44	49/48/45	49/47/45
Connecting Pipe	Liquid	mm/inch	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"
	Heating	mm/inch	Φ9.52/3/8"	Φ12.7/1/2"	Φ12.7/1/2"	Φ12.7/1/2"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"
Drain Pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body	Dimension (WxDxH)	Outline (WxDxH)	mm	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280
		Package (LxWxH)	mm	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365
	Net weight/Gross weight		kg	25.5/33	25.5/33	25.5/33	25.5/33	26/33.5	26/33.5	26/33.5
Panel	Model		ASG01	ASG01	ASG01	ASG01	ASG01	ASG01	ASG01	ASG01
	Dimension (WxDxH)	Outline (WxDxH)	mm	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28
		Package (LxWxH)	mm	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130
Net Weight/Gross Weight		kg	6/10.3	6/10.3	6/10.3	6/10.3	6/10.3	6/10.3	6/10.3	
Loading Quantity	20' GP	unit	68	68	68	68	68	68	68	68
	40' HQ	unit	166	166	166	166	166	166	166	166
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Fuse Current		A	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Fan Type			Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Evaporator Max. Allowance Pressure		Mpa	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Standard Controller			YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F
Recommended Power Cable		N-Core	3	3	3	3	3	3	3	3
Cross Sectional Area of Power Cable Conductor		mm²	1	1	1	1	1	1	1	1
Circuit breaker		A	6	6	6	6	6	6	6	6

Ducted High ESP

Model			SVID-22AA6	SVID-25AA6	SVID-28AA6	SVID32AA6	SVID36AA6	SVID40AA6	SVID45AA6	SVID50AA6
Capacity	Cooling	kW	2.2	2.5	2.8	3.2	3.6	4	4.5	5
	Heating	kW	2.5	2.8	3.2	3.6	4	4.5	5	5.6
Power Supply		V/Ph/Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz
Power Consumption	Cooling	W	50	50	50	50	50	100	100	100
	Heating	W	50	50	50	50	50	100	100	100
Airflow Volume(H/M/L)		m³/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420	850/700/600	850/700/600	850/700/600
Rated Current	Cooling	A	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
	Heating	A	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
ESP		Pa	50/0-80	50/0-80	50/0-80	50/0-80	50/0-80	50/0-80	50/0-80	50/0-80
Sound Pressure Level(H/M/L)		dB(A)	35/31/29	35/31/29	35/31/29	36/33/30	36/33/30	40/36/32	40/36/32	40/36/32
Sound Power Level(H/M/L)	dB(A)	mm/inch	45/41/39	45/41/39	45/41/39	46/43/40	46/43/40	50/46/42	50/46/42	50/46/42
	Connecting Pipe	Liquid	Φ6.35/ 1/4"	Φ6.35/ 1/4"	Φ6.35/ 1/4"	Φ6.35/ 1/4"	Φ6.35/ 1/4"	Φ6.35/ 1/4"	Φ6.35/ 1/4"	Φ6.35/ 1/4"
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
	Drain Pipe	External dia.	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
Thickness	mm	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Dimension (WxDxH)	mm	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300
	Package(LxWxH)	mm	897×808×360	897×808×360	897×808×360	897×808×360	897×808×360	897×808×360	897×808×360	897×808×360
Net Weight/Gross Weight			30.5/36	30.5/36	30.5/36	30.5/36	30.5/36	31.5/37	31.5/37	31.5/37
	Loading Quantity	20' GP	unit	84	84	84	84	84	84	84
		40' HQ	unit	196	196	196	196	196	196	196
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Fuse Current	A	unit	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
	Fan Type			Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Evaporator Max. Allowance Pressure			4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Standard Controller			A	XK46	XK46	XK46	XK46	XK46	XK46	XK46
Recommended Power Cable			3	3	3	3	3	3	3	3
Cross Sectional Area Of Power Cable Conductor			mm²	1	1	1	1	1	1	1
Circuit Breaker			A	6	6	6	6	6	6	6

Ducted Large Fan

Model			SVID224AB6	SVID280AB6	
Capacity	Cooling	kW	22.4	28.0	
	Heating	kW	25	31	
Power supply		V/Ph/Hz	220-240V ~ 1Ph ~ 50Hz	220-240 ~ 1Ph ~ 50Hz	
Power Consumption	Cooling	W	800	900	
	Heating	kW	800	900	
Airflow Volume (H/M/L)		m³/h	4000/3600/3200	4400/4000/3600	
Rated current	Cooling	A	3.7	4.1	
	Heating	A	3.7	4.1	
Sound Pressure Level (H/M/L)		dB(A)	100/50 ~ 200	100/50 ~ 200	
Sound Power Level (H/M/L)		dB(A)	54/52/49	55/52/50	
Connecting Pipe	Liquid	mm/inch	64/62/59	65/62/60	
	Gas	mm/inch	Φ9.5/ 3/8"	Φ22.2/ 3/8"	
Drain Pipe	External dia.	mm	Φ19.05/ 3/4"	Φ9.52/ 7/8"	
	Thickness	mm	Φ25	Φ25	
Main Body	Dimension (WxDxH)	mm	2	2	
	Outline (WxDxH)	mm	1483×791×385	1686×870×450	
	Package (LxWxH)	mm	1483×791×385	1686×870×450	
Net weight/Gross weight		kg	1578×883×472	1788×988×580	
Panel	Model		82/104	105/140	
	Dimension (WxDxH)	Outline (WxDxH)	mm	28	24
		Package (LxWxH)	mm	60	52
Net Weight/Gross Weight		kg	R410a	R410a	
Loading Quantity	20' GP	unit	6	7	
	40' HQ	unit	Centrifugal	Centrifugal	
Refrigerant			4.3	4.3	
Fuse Current			A	XK46	XK46
Fan Type			3	3	
Evaporator Max. Allowance Pressure			Mpa	1	1.5
Standard Controller			10	10	
Recommended Power Cable			N-Core	3	3
Cross Sectional Area of Power Cable Conductor			mm²	1	1
Circuit breaker			A	6	6

Ducted DCI Fan

Model			SVID400AC6	SVID450AC6	SVID560AC6		
Capacity	Cooling	kW	40	45	56		
	Heating	kW	45	50	63		
Power supply		V/Ph/Hz	380-415V ~ 1Ph ~ 50Hz	380-415V ~ 1Ph ~ 50Hz	380V ~ 1Ph ~ 50Hz		
Power Consumption	Cooling	W	2500	2550	2700		
	Heating	kW	2500	2550	2700		
Airflow Volume (H/M/L)		m³/h	8000/6100/5055	8200/6600/5550	10000		
Rated current	Cooling	A	2.7	4.1	5.5		
	Heating	A	2.7	4.1	5.5		
ESP		Pa	200/50 ~ 250	200/50 ~ 250	200		
Sound Pressure Level (H/M/L)		dB(A)	61/59/56	62/60/57	63		
Sound Power Level (H/M/L)		dB(A)	71/69/66	72/70/67	73		
Connecting Pipe	Liquid	mm/inch	Φ12.7/ 1/2"	Φ12.7/ 1/2"	Φ15.9/ 5/8"		
	Gas	mm/inch	Φ25.4/ 1"	Φ28.6/ 1 1/8"	Φ28.6/ 1 1/8"		
Drain Pipe	External dia.	mm	25	25	25		
	Thickness	mm	1.2	1.2	1.2		
Dimension (WxDxH)		Outline (WxDxH)	mm	1680×900×650	1900×1100×700	1900×1100×850	
		Package (LxWxH)	mm	1923×1153×850	2123×1463×905	2123×1463×1060	
Net weight/Gross weight		kg	170/220	236/317	282/364		
Loading Quantity			20' GP	unit	10	6	6
			40' HQ	unit	36	16	16
Refrigerant			R410a	R410a	R410a		
Fuse Current			A	6	6	6	
Fan Type			Centrifugal	Centrifugal	Centrifugal		
Evaporator Max. Allowance Pressure			Mpa	4.3	4.3	4.3	
Standard Controller			XK46	XK46	XK46		
Recommended Power Cable			N-Core	5	5	5	
Cross Sectional Area of Power Cable Conductor			mm²	1	1	1	
Circuit breaker			A	10	10	10	

	SVID56AA6	SVID63AA6	SVID71AA6	SVID80AA6	SVID90AA6	SVID100AA6	SVID112AA6	SVID125AA6	SVID140AA6	SVID160AA6	SVID180AA6
	5.6	6.3	7.1	8	9	10	11.2	12.5	14	16	18
	6.3	7.1	8	9	10	11.2	12.5	14	16	18	20
	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz
	105	105	110	110	170	170	170	170	240	240	350
	105	105	110	110	170	170	170	170	240	240	350
	1000/800/700	1000/800/700	1200/1050/950	1200/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000
	0.8	0.8	0.9	0.9	1.4	1.4	1.4	1.4	1.8	1.8	2
	0.8	0.8	0.9	0.9	1.4	1.4	1.4	1.4	1.8	1.8	2
	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~170
	40/36/32	40/36/32	40/36/32	40/36/32	42/38/34	42/38/34	43/39/36	44/40/37	44/41/38	45/43/40	49/47/44
	50/46/42	50/46/42	50/46/42	50/46/42	52/48/44	52/48/44	53/49/46	54/50/47	54/51/48	55/53/50	59/57/54
	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"
	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05	Φ19.05
	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	1000×700×300	1000×700×300	1000×700×300	1000×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300
	1205×813×360	1205×813×360	1205×813×360	1205×813×360	1601×813×365	1601×813×365	1601×813×365	1601×813×365	1601×813×365	1601×813×365	1678×808×365
	40.5/46.5	40.5/46.5	41/47	41/47	54/61	54/61	54/61	54/61	54.5/61.5	54.5/61.5	58/67
	66	66	66	66	42	42	42	42	42	42	42
	161	161	161	161	98	98	98	98	98	98	98
	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	XK46	XK46	XK46	XK46	XK46	XK46	XK46	XK46	XK46	XK46	XK46
	3	3	3	3	3	3	3	3	3	3	3
	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6	6

Ducted DCI Fresh Air

Model			SVID125AD6	SVID140AD6	SVID224AD6	SVID250AD6	SVID280AD6	SVID450AD6
Capacity	Cooling	kW	12.5	14	22.4	25	28	45
	Heating	kW	8.5	10	16	18	20	32
				10.5	12	20	20	22
Power supply		V/Ph/Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	380-415V ~ 3Ph ~ 50Hz
Power Consumption	Cooling	W	200	200	400	520	520	-
	Heating	kW	200	200	400	520	520	-
Airflow Volume (H/M/L)		m³/h	1200/1000~2000	1200/1000~2000	2000/1500~3000	2500/2000~3500	2500/2000~3500	4000
Rated current	Cooling	A	1.5	1.5	2.5	3.1	3.1	-
	Heating	A	1.5	1.5	2.5	3.1	3.1	-
ESP		Pa	150/50 ~ 200	150/50 ~ 200	200/50 ~ 300	200/50 ~ 300	200/50 ~ 300	200
Sound Pressure Level (H/M/L)		dB(A)	46/40 ~ 50	46/40 ~ 50	45/45 ~ 54	47/47 ~ 54	47/47 ~ 54	58
Sound Power Level (H/M/L)		dB(A)	56/50 ~ 60	56/50 ~ 60	55/55 ~ 64	57/57 ~ 64	57/57 ~ 64	68
Connecting Pipe	Liquid	mm/inch	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ12.7/1/2"
	Gas	mm/inch	Φ15.9/5/8"	Φ15.9/5/8"	Φ19.05/3/4"	Φ22.2/7/8"	Φ22.2/7/8"	Φ28.6/1 1/8"
Drain Pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ33
	Thickness	mm	2.5	25	2	2	2	3
Dimension (WxDxH)	Outline (WxDxH)	mm	1400×700×300	1400×700×300	1483×791×385	1483×791×385	1483×791×385	1700×1100×650
	Package (LxWxH)	mm	1601×813×365	1601×813×365	1578×883×472	1578×883×472	1578×883×472	1893×1463×838
Net weight/Gross weight		kg	54/61	54/61	82/104	82/104	82/104	208/266
Loading Quantity	20' GP	unit	42	42	24	24	24	16
	40' HQ	unit	98	98	65	65	65	16
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Fuse Current		A	3.15	3.15	3.15	3.15	3.15	3.15
Fan Type			Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Evaporator Max. Allowance Pressure		Mpa	4.3	4.3	4.3	4.3	4.3	4.3
Standard Controller			XK46	XK46	XK46	XK46	XK46	XK46
Recommended Power Cable		N-Core	3	3	3	3	3	5
Cross Sectional Area of Power Cable Conductor		mm²	1	1	1	1	1	1
Circuit breaker		A	6	6	10	10	10	10

Underceiling Units

Model			SVIU28A6	SVIU36A6	SVIU50A6	SVIU56A6	SVIU63A6	SVIU71A6	SVIU90A6	SVIU112A6	SVIU125A6	SVIU140A6	SVIU160A6
Capacity	Cooling	kW	2.8	3.6	5	5.6	6.3	7.1	9	11.2	12.5	14	16
	Heating	kW	3.2	4	5.6	6.3	7.1	8	10	12.5	14	16	18
Power Supply	V/Ph/Hz		220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz
Power Consumption	Cooling	W	35	35	55	55	80	80	120	120	120	150	175
	Heating	W	35	35	55	55	80	80	120	120	120	150	175
Airflow Volume(H/M/L)	m³/h		600/500/450	600/500/450	750/650/600	750/650/600	1350/1200/1050	1350/1200/1050	1550/1400/1250	1800/1600/1400	1800/1600/1400	2000/1750/1600	2150/1850/1650
Rated Current	Cooling	A	0.2	0.2	0.3	0.3	0.4	0.4	0.7	0.7	0.7	0.8	0.9
	Heating	A	0.2	0.2	0.3	0.3	0.4	0.4	0.7	0.7	0.7	0.8	0.9
ESP	Pa		36/32/29	36/32/29	42/39/36	42/39/36	44/41/38	44/41/38	47/44/41	47/44/41	47/44/41	49/45/43	52/48/45
Sound Pressure Level(H/M/L)	dB(A)		52/48/45	52/48/45	54/51/48	54/51/48	60/57/54	60/57/54	59/56/53	59/56/53	59/56/53	61/57/55	64/60/57
Sound Power Level(H/M/L)	dB(A)	mm/inch	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Connecting Pipe	Liquid	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.5
	Gas	mm	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17
Drain Pipe	External dia.	mm	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Thickness	mm	mm	870×665×235	870×665×235	870×665×235	870×665×235	1200×665×235	1200×665×235	1200×665×235	1570×665×235	1570×665×235	1570×665×235	1570×665×235
	Dimension (WxDxH)	Out-line(WxDxH)	973×770×300	973×770×300	973×770×300	973×770×300	1303×770×300	1303×770×300	1303×770×300	1669×770×300	1669×770×300	1669×770×300	1669×770×300
	Package(LxWxH)	mm	24/29	24/29	25/30	25/30	32/38	32/38	33/39	41/48	41/48	43/50	43/50
Net Weight/Gross Weight			119	119	119	119	84	84	84	70	70	70	70
	Loading Quantity	20' GP	unit	288	288	288	288	216	216	216	168	168	168
		40' HQ	unit	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant			3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	
Fuse Current	A	unit	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Fan Type		4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Evaporator Max. Allowance Pressure			YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F
Standard Controller	A		3	3	3	3	3	3	3	3	3	3	3
Recommended Power Cable			1	1	1	1	1		1	1	1	1	1
Cross Sectional Area Of Power Cable Conductor	mm²		6	6	6	6	6	6	6	6	6	6	6
Circuit Breaker	A		6	6	6	6	6	6	6	6		6	6

High-Wall Units

Model			SVIH22A6	SVIH28A6	SVIH36A6	SVIH45A6	SVIH50A6	SVIH56A6	SVIH63A6	SVIH71A6	SVIH80A6	SVIH90A6	SVIH100A6
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5	5.6	6.3	7.1	8	9	9.5
	Heating	kW	2.5	3.2	4	5	5.6	6.3	7.1	7.5	9	10	10.5
Power Supply		V/Ph/Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz	220-240V ~ 1Ph ~ 50Hz
Power Consumption	Cooling	W	20	20	25	35	35	50	50	65			
	Heating	W	20	20	25	35	35	50	50	65			
Airflow Volume(H/M/L)		m³/h	500/4040/300	500/4040/300	360/460/320	850/580/500	850/580/500	1100/850/650	1100/850/650	1200/850/650	1550	1550	1650
Rated Current	Cooling	A	0.1	0.1	0.12	0.17	0.17	0.24	0.24	0.31			
	Heating	A	0.1	0.1	0.12	0.17	0.17	0.24	0.24	0.31			
ESP		Pa	35/33/30	35/33/30	38/35/31	43/40/37	43/40/37	43/41/37	43/41/37	44/41/37	49/40	49/40	52/40
Sound Pressure Level(H/M/L)		dB(A)	45/43/40	45/43/40	48/45/41	53/50/47	53/50/47	53/51/47	53/51/47	54/51/47	59/50	59/50	62/50
Sound Power Level(H/M/L)	dB(A)	mm/inch	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ6.35/1/4"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"	Φ9.52/3/8"
	Connecting Pipe	Liquid	Φ9.52/3/8"	Φ9.52/3/8"	Φ12.7/2"	Φ12.7/2"	Φ12.7/2"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.9/5/8"	Φ15.87/5/8"	Φ15.87/5/8"	Φ15.87/5/8"
	Gas	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	Φ30	Φ30	Φ30
	Drain Pipe	External dia.	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Thickness	mm	mm	845×209×289	845×209×289	845×209×289	970×224×300	970×224×300	1078×246×325	1078×246×325	1078×246×325	1350×258×326	1350×258×326	1350×258×326
	Dimension (WxDxH)	Out-line(Wx-DxH)	976×281×379	976×281×379	976×281×379	1096×308×395	1096×308×395	1203×338×425	1203×338×425	1203×338×425	1498×421×358	1498×421×358	1498×421×358
	Package(LxWxH)	mm	10.5/12.5	10.5/12.5	10.5/12.5	12.5/15.5	12.5/15.5	16/19	16/19	16/19	20/24	20/24	20/24
Net Weight/Gross Weight			276	276	276	210	210	132	132	132	102	102	102
	Loading Quantity	20' GP	unit	576	576	576	512	512	329	329	329	266	266
		40' HQ	unit	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant			3.15/10	3.15/10	3.15/10	3.15/10	3.15/10	3.15/10	3.15/10	3.15/10	3.15/10	3.15/10	3.15/10
Fuse Current	A	unit	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow
	Fan Type		4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Evaporator Max. Allowance Pressure			YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F	YAP1F
Standard Controller		A	3	3	3	3	3	3	3	3	3	3	3
Recommended Power Cable			1	1	1	1	1	1	1	1	1	1	1
Cross Sectional Area Of Power Cable Conductor		mm²	6	6	6	6	6	6	6	6	6	6	6
Circuit Breaker		A	6	6	6	6	6	6	6	6		6	6

Floorstanding Units

Model			SVIF100A6	SVIF140A6
Capacity	Cooling	kW	10	14
	Heating	kW	11	15
Power supply		V/Ph/Hz	220-2240V ~ 1Ph ~ 50Hz	220-2240V ~ 1Ph ~ 50Hz
Airflow Volume (H/M/L)		m³/h	1850/1600/1400	1850/1600/1400
Sound Pressure Level (H/M/L)		dB(A)	50/48/46	50/48/46
Sound Power Level (H/M/L)		dB(A)	60/58/56	60/58/56
Connecting Pipe	Liquid	mm/inch	Φ9.52	Φ9.52
	Gas	mm/inch	Φ16	Φ16
Drain Pipe	External dia.	mm	31	31
	Thickness	mm	4.5	4.5
Dimension (WxDxH)	Outline (WxDxH)	mm	1870×580×400	1870×580×400
	Package (LxWxH)	mm	2083×738×545	2083×738×545
Net weight/Gross weight		kg	54/74	57/77
Loading Quantity	20' GP	unit	33	33
	40' HQ	unit	67	67
Refrigerant			R410A	R410A
Fuse Current		A	3.15	3.15
Fan Type			Centrifugal	Centrifugal
Evaporator Max. Allowance Pressure		Mpa	4.3	4.3
Standard Controller			YAP1F	YAP1F
Recommended Power Cable		N-Core	3	3
Cross Sectional Area of Power Cable Conductor		mm²	1	1
Circuit breaker		A	6	6

Controllers

Controller YAP1F

- Can be switched in auto, cooling, dry, fan and heating modes;
- Besides turbo mode, 6 fan speeds can be set;
- Up & down swing and left & right swing;
- Available functions: child lock, drying, health, ventilation, turbo, sleep, light, absence, I-feel and timer;
- Clock display and indoor/outdoor ambient temperature viewing functions;
- I-feel function can be set for the unit. When I-feel is turned on, the unit can monitor the temperature at the location of user (around the remote controller) at real time to adjust indoor temperature for improving the comfort.

Wired Controller XK46

- Moisture-proof design;
- LCD with black background and white words; touch buttons;
- Clock can be displayed and set; 24 hours timer setting for on/off;
- 7 fan speeds, up & down swing and left & right swing;
- Can be switched in auto, cooling, dry, fan, heating, floor heating, 3D heating and space heating operation modes;
- Master and slave wired controllers can be set; simultaneous control over several IDUs is available; can simultaneously control 16 sets of IDUs at most;
- Available functions: sleep, ventilation, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, filter cleaning reminder, etc.;
- Detect ambient temperature; receive infrared remote controller signal;
- With project parameters viewing and setting functions.



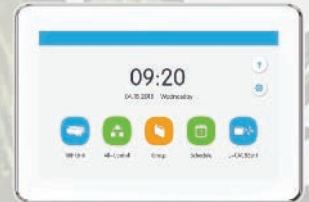
Wired Controller XE70-33/H

- Elegant and concise appearance;
- Touch buttons with back lighting LCD;
- Detect ambient temperature precisely;
- Chinese and English display can be switched;
- With project parameters viewing and setting functions;
- 7 fan speeds, up & down swing and left & right swing;
- Applicable to multi VRF air conditioner and fresh air unit with evaporator;
- With service hotline inquiry and after-sales phone number record functions;
- With weekly timer function, multiple weekly timer can be set; under weekly timer function, mode, temperature and fan speed can be preset;
- Master and slave wired controllers can be set; simultaneous control over several IDUs is available; can simultaneously control 16 sets of IDUs at most;
- Sleep, ventilation, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, and filter cleaning reminder functions can be set.



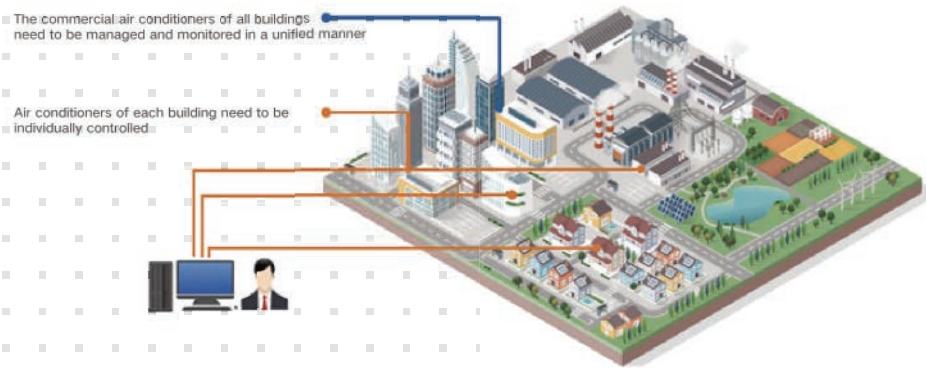
Centralized Controller CE52-24/F(C)

- Elegant and fashionable appearance;
- Color LCD, fine display and true color;
- 7-inch capacitive touch screen for easy operation;
- Up to 255 units can be centrally controlled;
- Connectable with network of indoor units or outdoor units;
- Independent power supply in 100~240V wide voltage range;
- Embedded installation in wall with projecting thickness only of 11mm;
- With project setting, parameter viewing, malfunction record and access management functions;
- Shielding function of single unit, group and all IDUs (shielding on/off, mode, temp setting, etc.), long-distance control at will; Provide naming of indoor units, selection of icons and personalized settings of centralized controller (setting background, backlight, etc.);
- With various functions: centralized control (control all indoor units), group management (support DIY grouping), schedule management (setting of several schedules, support special schedule setting such as holiday) and single indoor unit control (on/off, mode, temp setting, fan speed, quiet, swing control, etc.).

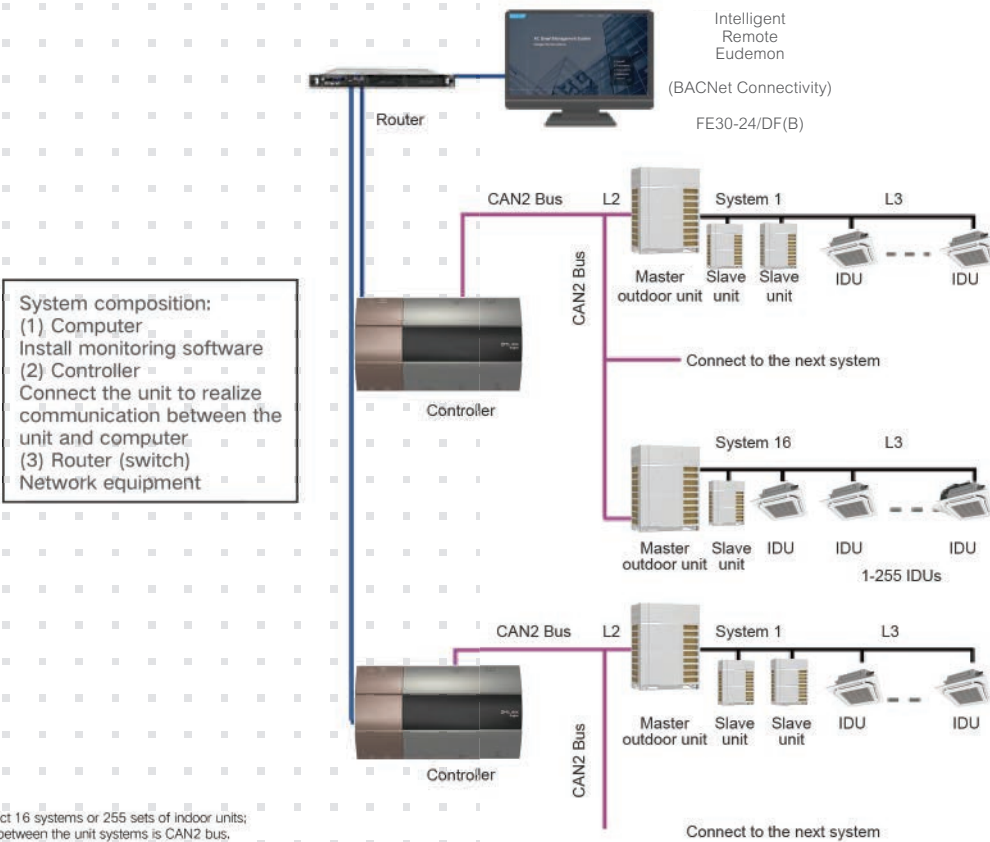


Intelligent Remote Eudemon

Intelligent Remote Eudemon provides intelligent operation and maintenance services based on the cloud platform, meeting the demands of integrated monitoring of equipment in multiple locations.



Intelligent Remote Eudemon adopts world-leading CAN+ multi VRF unit's communication technology and combines with distributed processing methods to ensure that the system has the characteristics of high availability, easy expansion, and easy networking, and can meet the air conditioning monitoring requirements in multiple scenes.



Branching Joint (For SV6 units)

For Indoor & Outdoor Units			
Model	Total capacity (xkW)	Appearance	
		Gas pipe	Liquid pipe
FQ01A/A	$X < 20$		
FQ01B/A	$20 \leq X \leq 30$		
FQ02/A	$30 < X \leq 70$		
FQ03/A	$70 < X \leq 136$		
FQ04/A	$136 < X$		

For Outdoor Units			
Model	Total capacity (xkW)	Appearance	
		Gas pipe	Liquid pipe
ML01/A			

Branching Joint (For SV6 HR units)

For Outdoor Units and Mode Exchanger

Model	Total capacity of the downstream indoor units X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
FQ01Na/A	$X \leq 5.0$			
FQ02Na/A	$5.0 < X \leq 22.4$			
FQ03Na/A	$22.4 < X \leq 28.0$			
FQ04Na/A	$28.0 < X \leq 68$			
FQ05Na/A	$68 < X \leq 96$			
FQ06Na/A	$96 < X \leq 135$			
FQ07Na/A	$135.0 < X$			

Note: Use ML02/A for $C \geq 73$ kW

For Indoor & Mode Exchanger

Model	Total capacity of the downstream indoor units X(Kw)	Appearance	
		Gas pipe	Liquid pipe
FQ01A/A	$X \leq 14.2$		
FQ01B/A	$14.2 < X \leq 28.0$		

For Outdoor Units

Model	Module's capacity X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
ML01R	$50.4 \leq X \leq 96$			
ML02R	$96 < X$			

For GMV6 HR Mode Exchanger and Hydro Box

Model	Capacity of the hydro box X(kW)	Appearance	
		Gas pipe	Liquid pipe
FQ01B/A	$X=30$		

Branching Joint: (For AHU KIT)

Model	Appearance	
	Gas pipe	Liquid pipe
FQ02U/A		



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