



Commercial Air Conditioners

## Rooftop Packaged Units

COOLING & HEATING SOLUTIONS



>> [www.sendoac.com](http://www.sendoac.com)

Jinan Sendo Air Conditioning Co.,Ltd | E: [sales@sendoac.cc](mailto:sales@sendoac.cc)  
Pe specifications, designs and information in this brochure are subject to  
Unit colours shown are as close as possible to actual unit colours. Colours

EXPERT Of Rooftop Packaged Air Conditioners  
SENDO will design, build and deliver HVAC equipment to meet  
the most stringent specifications and difficult applications

Colors can be ordered in either dark grey or white

## >> Features

### Wide cooling capacity range >>

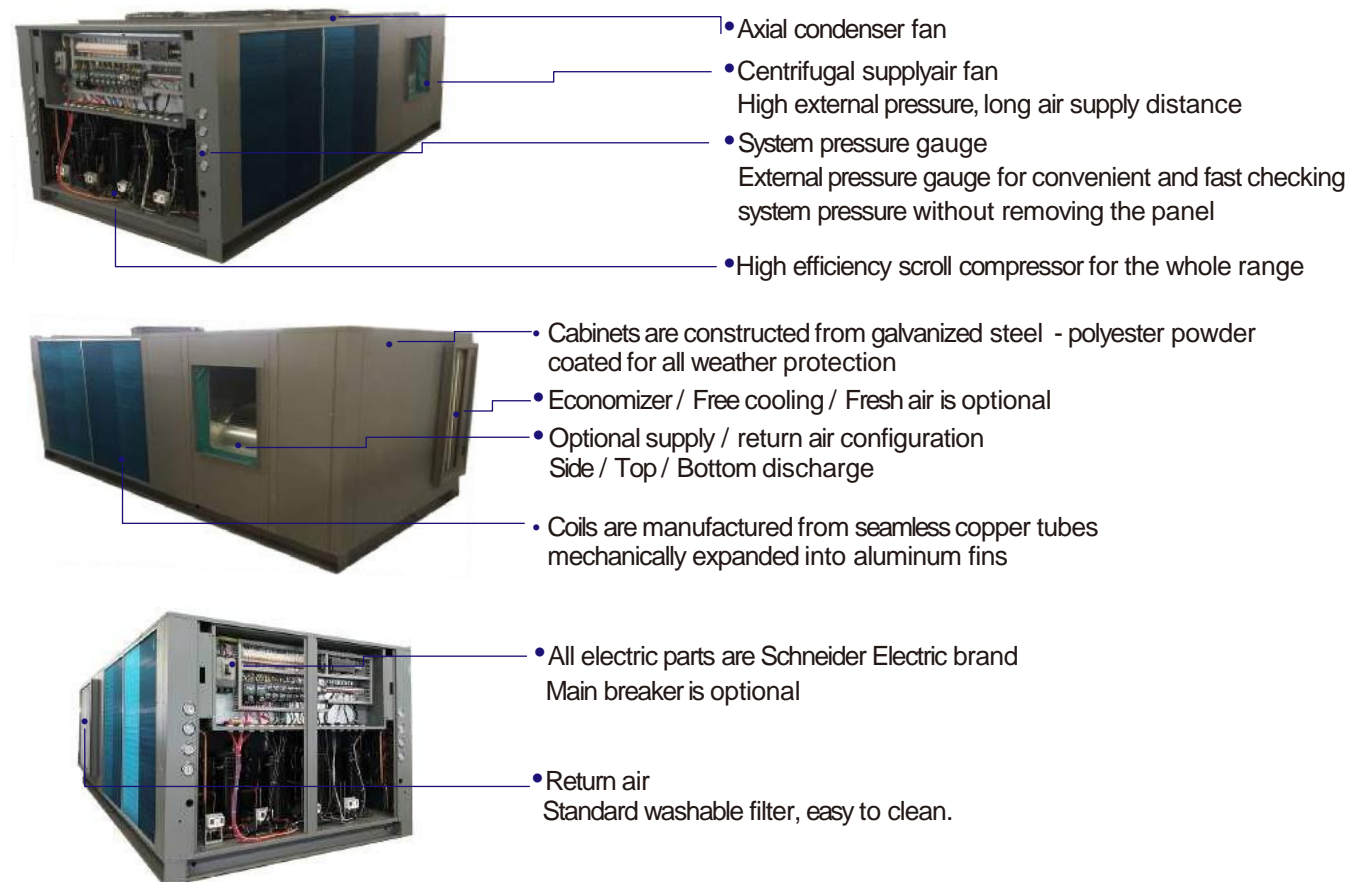
There is a large production line of packaged units, with capacities ranging from 3Ton to 112Ton at nominal conditions.

### Economy >>

Some models feature the flexibility and economy of 2-4 stages operation. Compressors are progressively switched on only as they are needed. This has the added advantage of low start-up current. Economizer is optional. If the outdoor air heat content or temp. is below that of the return air, a fresh air damper opens and return air damper closed to provide the first stage of cooling. Operating costs are reduced as the compressor will only operate to provide more cooling if it is required.

### Durable construction >>

SENDO packaged systems are built tough to withstand all weathers. Their durable construction ensures a long life and excellent return on your investment. Cabinets are constructed from galvanized steel - polyester powder coated for all weather protection. External fasteners are stainless steel or galvanized type. Coils are manufactured from seamless copper tubes mechanically expanded into aluminum fins, they are tested at 30kg/cm<sup>2</sup> (450 Psi) air pressure, under water to avoid leakage. They also undergo dry chemical cleaning after manufacturing for optimum system cleanliness. All units are tested at the factory to make sure no leakage for coil and provide reliable start up.



### Reliable scroll compressor >>

Famous brand compressor: Copeland, Panasonic, Danfoss, etc. More reliable. High efficiency scroll compressor for the whole range, with built-in thermal overload cut-out and crankcase heater, mounted on rubber vibration dampers.

### Multi-protection design >>

Electric panel consists of breakers and contactors for compressors and fan motors, phase sequence relay and other necessary protection devices for the main components. All electric parts are Schneider Electric brand. SIEMENS controller is optional.

### Quieter operation >>

SENDO Rooftop packaged units are basic constructed and engineered with noise reduction as a first consideration, low noise mounted fans are used, 15mm wave type acoustic insulation for compressor section and compressors are mounted on vibration isolators. Thermal insulation for coil and fan section, reduce condensation and low noise.

### Easy installation and maintenance >>

Units are factory assembled and pre-charged R410a refrigerant. On arrival to the job site they are ready to be lifted to their operating position through the lifting supports available on the units. Only connect the wires of power supply, and no need to connect any signal wires. Quick release fasteners are provided on electrical and compressor panel, provide convenient access to system components for maintenance and service.



- Economizer with fresh, return air dampers with cowl
- Free cooling function for low ambient temperature
- Optional water heating coil
- Optional electric heater
- Optional supply / return air configuration
- Tropical climate T3 application
- Heat recovery
- Full fresh air
- G4 panel type filter and bag filter
- CO2 and smoke detector
- BMS devices
- SIEMENS PLC control
- EC fan

### Optional accessories

"Tell us what you need and we will work with you to deliver"



Model			SRT-S(C) T1H12A	SRT-S(C) T1H15A	SRT-S(C) T1H20A	SRT-S(C) T1H25A	SRT-S(C) T1H30A	SRT-S(C) T1H35A	
Cooling	Capacity	Ton	3.4	4.3	5.0	6.9	8.7	10.2	
		kW	12.0	15.2	17.5	24.0	30.3	35.6	
	Power Input	kW	4.1	5.3	5.5	8.8	11.3	12.3	
Heating	Capacity	kW	13.2	16.6	18.4	26.5	33.3	37.7	
	Power Input	kW	3.8	4.8	5.1	8.2	10.4	11.3	
Refrigerant & Charging Quantity		Type	R410a						
		Kg	3.1	3.1	4.3	2x3.1	2x3.1	2x4.3	
Compressor	Type	/	Scroll						
	Brand	/	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	
	Compressor/Circuit	Nos.	1	1	1	2	2	2	
		Energy Adjustment	0,100%			0,50%,100%			
Condenser Section	Condenser	Type	Copper Pipe + Anticorrosion Aluminium Fin						
	Condenser Fan	Type	Axial / Direct						
		Qty	1	1	1	1	1	1	
	Power Input	kW	0.25	0.37	0.37	0.55	0.75	0.75	
		Airflow	m³/h	4600	7800	7800	9000	12600	12600
Evaporator Section	Evaporator	Type	Copper Pipe + Anticorrosion Aluminium Fin						
	Evaporator Fan	Type	Direct	Direct	Direct	Belt-Driven			
	Power Input	kW	0.32	0.37	0.45	1.1	1.5	2.2	
	Supply Airflow	m³/h	2100	2600	3400	4100	5200	6300	
		CFM	1235	1529	2000	2412	3059	3706	
		ESP	Pa	100	100	100	200	200	250
Filter	Standard	Type	G3 Aluminium Filter						
Sound Level		dB(A)	67	67	68	71	72	72	
Dimension	Length	mm	1498	1498	1498	1978	1978	1978	
	Width	mm	1100	1100	1100	1175	1175	1175	
	Height	mm	1095	1095	1095	1095	1095	1095	
Net Weight		Kg	245	260	290	420	485	500	

Model			SRT-S(C) T1H45A	SRT-S(C) T1H50A	SRT-S(C) T1H60A	SRT-S(C) T1H70A	SRT-S(C) T1H90A	SRT-S(C) T1H100A	
Cooling	Capacity	Ton	12.7	14.3	17.1	20.0	25.7	30.0	
		kW	44.5	50.0	60.0	70.0	90.0	105.0	
	Power Input	kW	17.0	19.5	22.8	26.7	32.9	39.7	
Heating	Capacity	kW	48.7	54.3	64.0	75.4	96.2	113.2	
	Power Input	kW	15.6	18.0	21.0	24.8	30.4	36.7	
Refrigerant & Charging Quantity		Type	R410a						
		Kg	4.3+8.5	4.3+8.5	2x7.5	2x8.5	3x7.5	3x8.5	
Compressor	Type	/	Scroll						
	Brand	/	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	
	Compressor/Circuit	Nos.	2/2	2/2	2/2	2/2	3/3	3/3	
	Energy Adjustment	%	0,50%,100%				0,33%,66%,100%		
Condenser Section	Condenser	Type	Copper Pipe + Anticorrosion Aluminium Fin						
	Condenser Fan	Type	Axial / Direct						
		Qty	1	1	1	1	2	2	
	Power Input	kW	1.1	1.5	1.5	2.2	2x1.1	2x1.5	
		Airflow	m³/h	16500	21000	21000	27000	2x16500	2x21000
Evaporator Section	Evaporator	Type	Copper Pipe + Anticorrosion Aluminium Fin						
	Evaporator Fan	Type	Belt-Driven						
	Power Input	kW	3	3	4	4	5.5	5.5	
	Supply Airflow	m³/h	7600	8500	10900	12500	16000	19500	
CFM		4471	5000	6412	7353	9412	11471		
		ESP	Pa	250	250	300	300	300	300
Filter	Standard	Type	G3 Aluminium Filter						
Sound Level		dB(A)	73	73	73	74	74	75	
Dimension	Length	mm	2268	2268	2298	2298	2878	2878	
	Width	mm	1470	1470	1650	1650	2140	2140	
	Height	mm	1167	1167	1400	1400	1964	1964	
Net Weight		Kg	750	770	830	860	1150	1350	

Notes:

- Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB; Heating capacity test condition (2): Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 21.0°C DB;
- Sound values are measured in a semi-anechoic room, at a position 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
- Specifications are subject to change without prior notice for SENDO product improvement.

Model			SRT-T(C) T1H120A	SRT-T(C) T1H140A	SRT-T(C) T1H150A	SRT-S(C) T1H180A	SRT-S(C) T1H200A	SRT-S(C) T1H300A	SRT-S(C) T1H400A
Cooling	Capacity	Ton	34.3	40.0	42.9	51.4	60.0	85.0	112.0
		kW	120.0	140.0	150.0	180.0	210.0	298.0	392.0
	Power Input	kW	45.1	55.7	58.6	69.9	83.0	106.7	140.2
Heating	Capacity	kW	128.3	150.0	160.2	192.5	226.0	318.0	414.0
	Power Input	kW	41.7	51.8	52.6	64.8	77.0	100.0	133.8
Refrigerant	Type	R410a							
	Type	/ Scroll							
Compressor	Brand	/ Copeland Copeland Copeland Copeland Copeland Copeland Copeland							
	Compressor Qty	Nos.	4	4	4	6	6	4	5
Condenser Section	Condenser	Type	Copper Pipe + Anticorrosion Aluminium Fin						
	Condenser Fan	Type	Axial / Direct						
		Qty	4	4	4	4	4	4	6
	Power Input	kW	4x0.75	4x1.1	4x1.1	4x1.1	4x1.5	4x2.2	4x2.2+2x1.1
	Airflow	m <sup>3</sup> /h	42000	54000	54000	66000	84000	108000	135000
Evaporator Section	Evaporator	Type	Copper Pipe + Anticorrosion Aluminium Fin						
	Evaporator Fan	Type	Belt-Driven						
	Power Input	kW	7.5	11	11	15	15	18.5	30
	Supply Airflow	m <sup>3</sup> /h	21000	25000	26000	32000	38000	54000	67000
		CFM	12353	14706	15294	18824	22353	31765	39412
	ESP	Pa	400	400	450	500	500	500	500
Filter	Standard	Type	G3 Aluminium Filter						
Sound Level		dB(A)	76	79	79	80	80	82	86
Dimension	Length	mm	4700	4700	4700	4690	4690	5660	7300
	Width	mm	2230	2230	2230	2200	2200	2200	2200
	Height	mm	1640	1640	1640	2055	2055	2427	2427
Net Weight		Kg	1900	2000	2050	2150	2450	2850	3500

Notes:

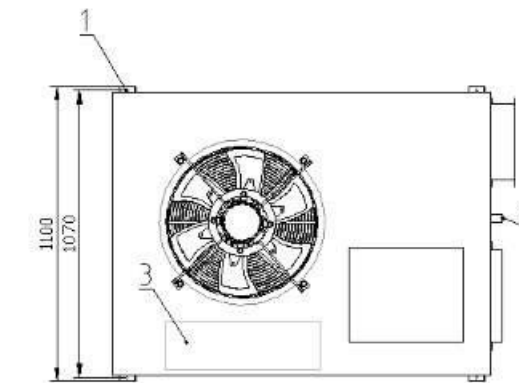
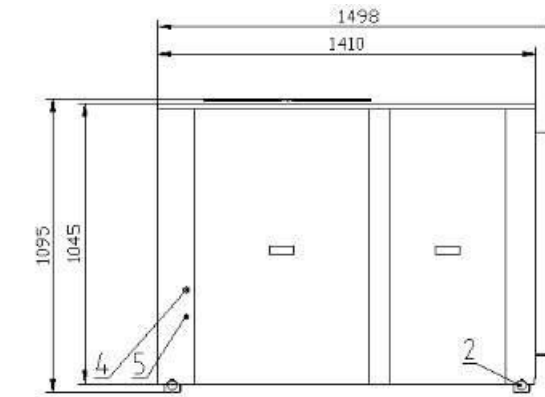
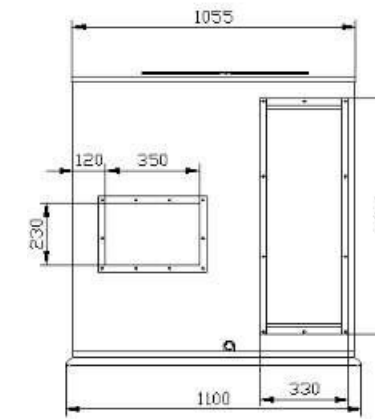
- Cooling capacity test condition (1): Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;  
Heating capacity test condition (2): Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 21.0°C DB;
- Sound values are measured in a semi-anechoic room, at a position 1 meter in front of the unit and (1 meter+Height of unit)/2 above the floor.
- Specifications are subject to change without prior notice for SENDO product improvement.

## >> Dimensions

SRT-12

SRT-15

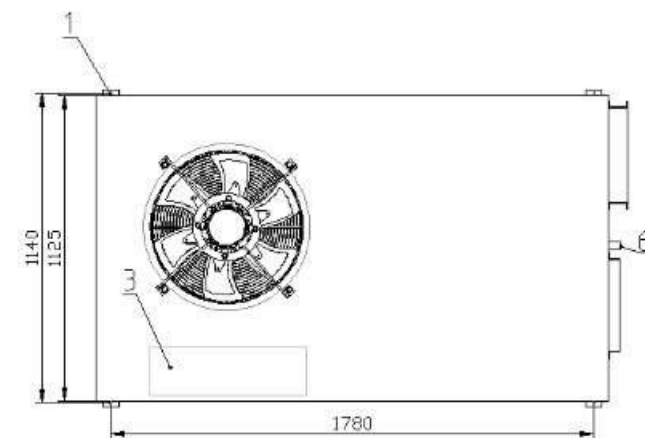
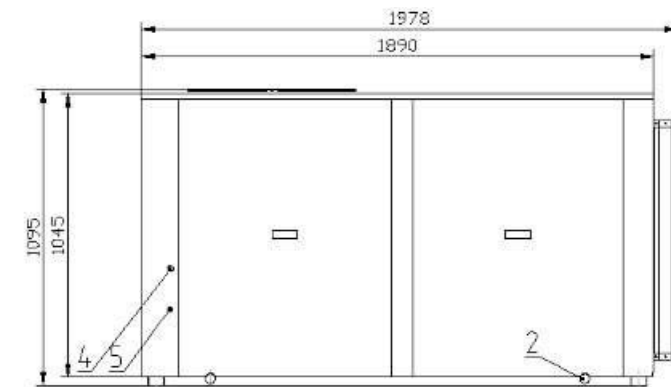
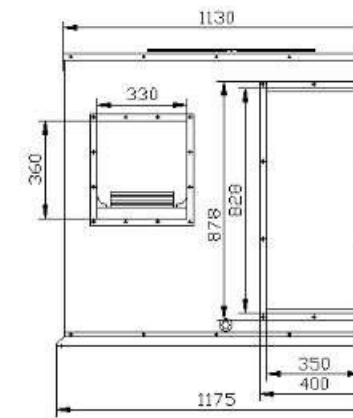
SRT-20



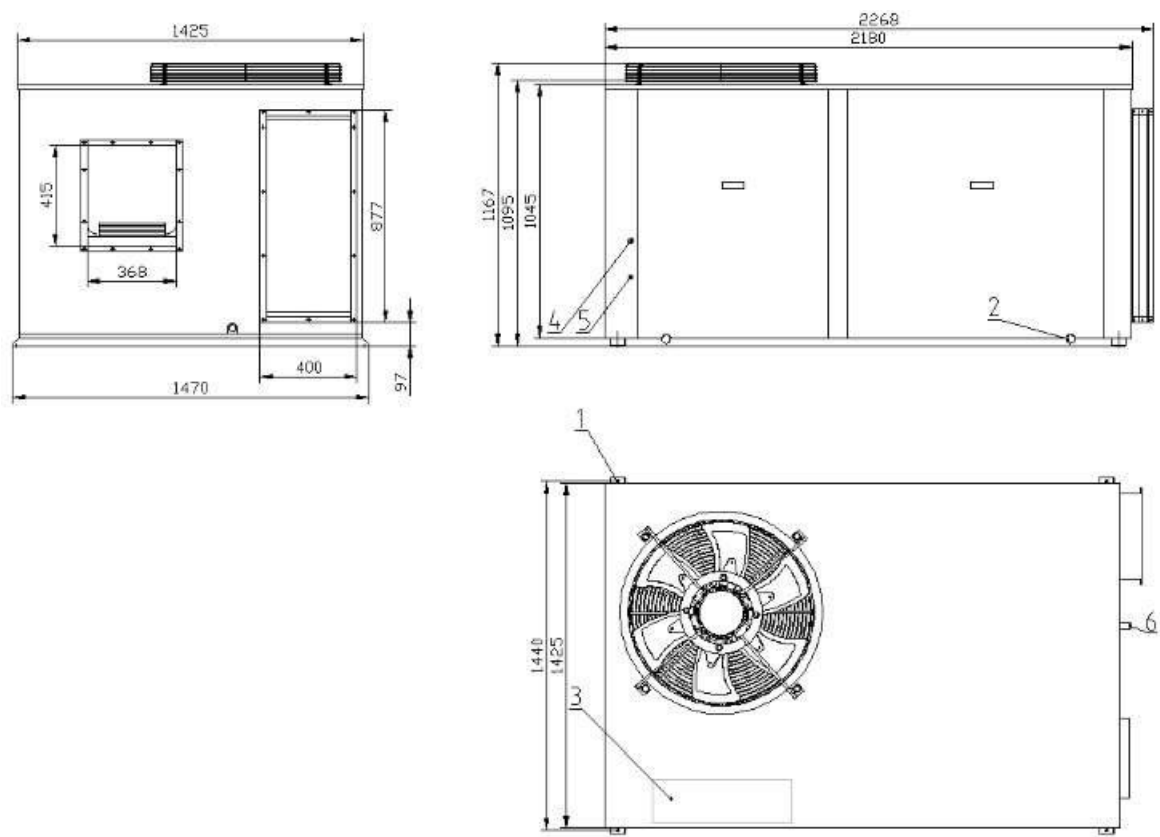
SRT-25

SRT-30

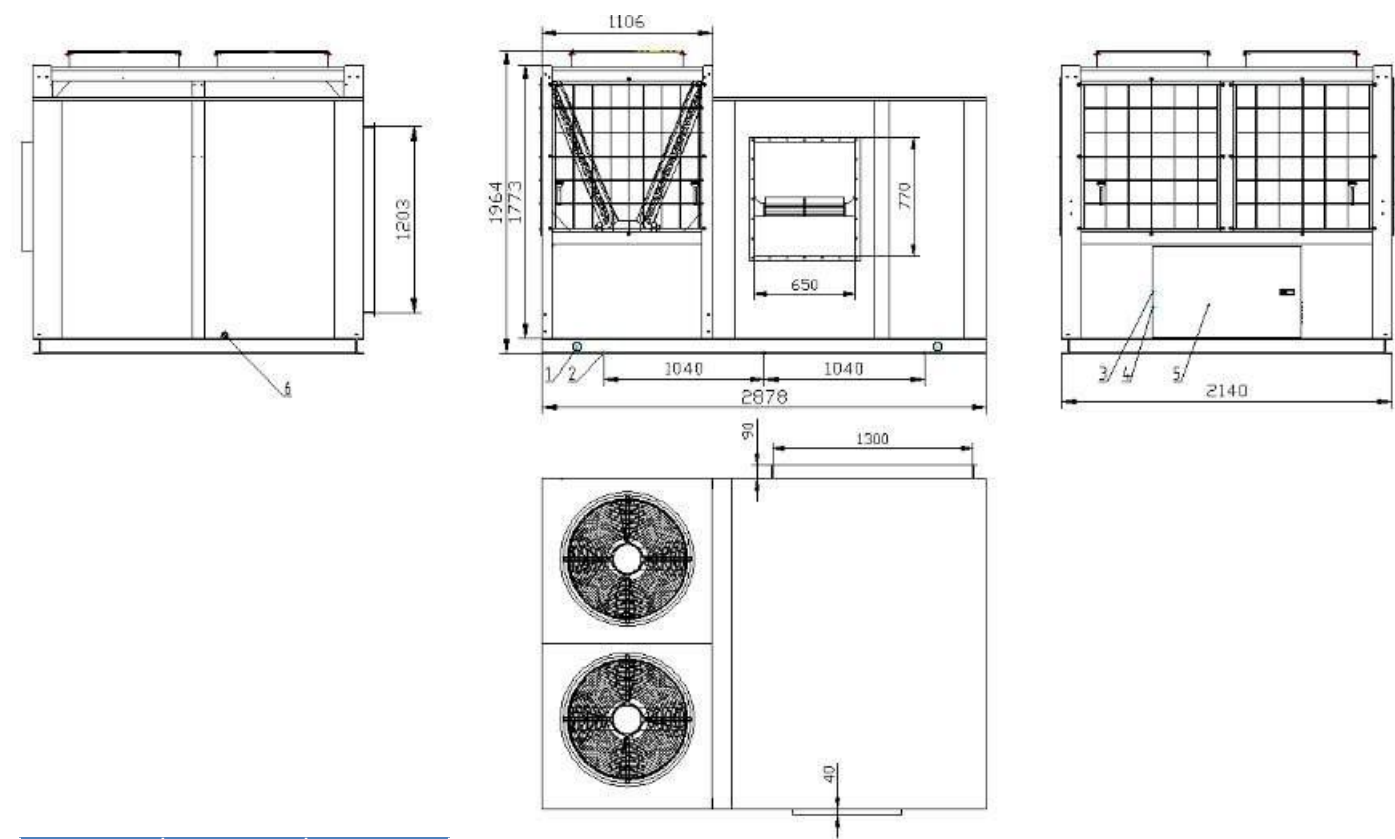
SRT-35



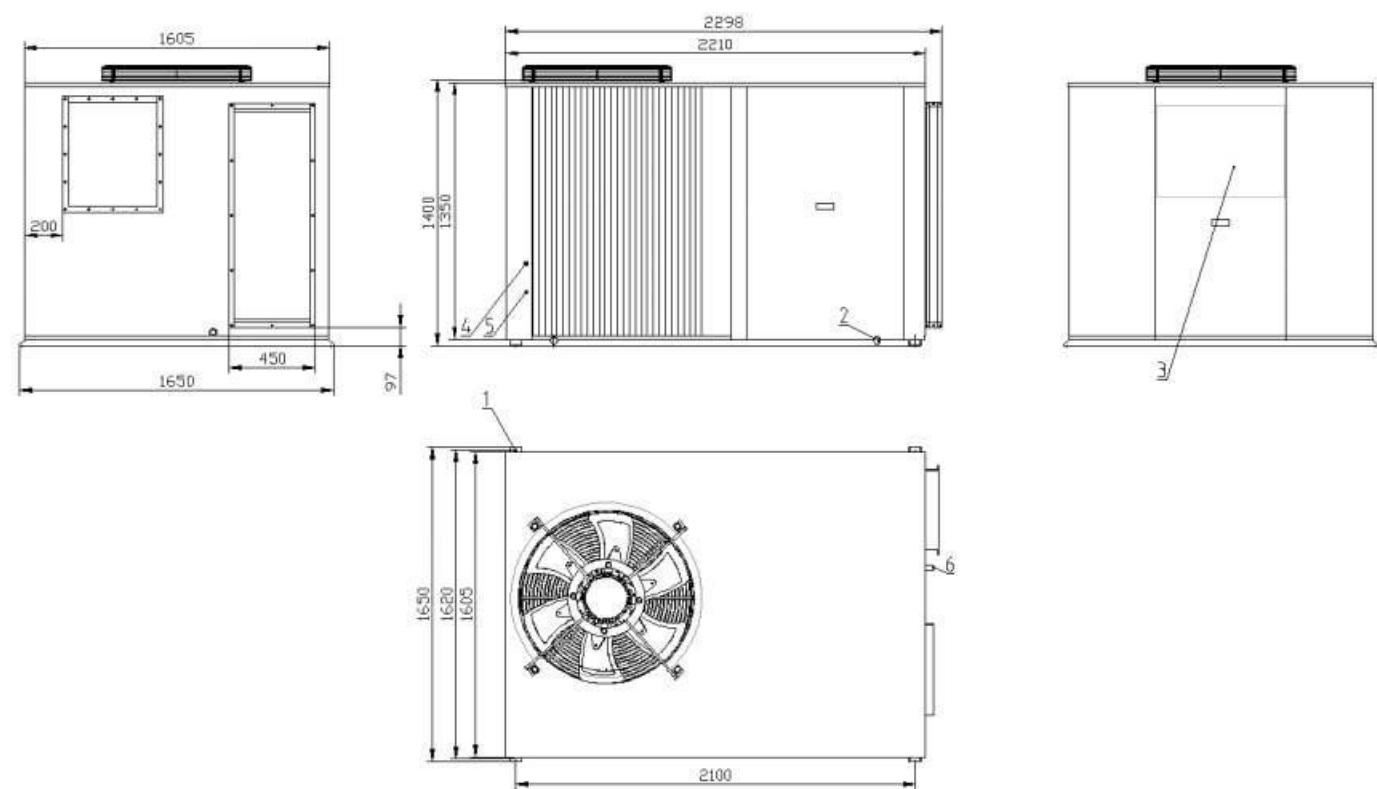
SRT-45 SRT-50



SRT-90 SRT-100



SRT-60 SRT-70



SRT-120 SRT-140 SRT-150

