SHINKO

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OASIS-U SERIES

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R410A

Commercial Air Conditioners

Technical Manual

Oasis-U Series 50Hz

SRTC-050CWN1-R(G)

SRTC-075CWN1-R(G)

SRTC-085CWN1-R(G)

SRTC-100CWN1-R(G)

SRTC-125CWN1-R(G)

SRTC-150CWN1-R(G)

SRTC-200CWN1-R(G)

SRTC-250CWN1-R(G)

SRTC-300CWN1-R(G)

Content

Part. 1 General information

1. Product Lineup

Nominal ton	Model	Function	Air outlet	Power supply
5	SRTC-050CWN1-R(G)	Cooling only	Side discharge (up & down)	380-415V 3N~ 50Hz
7.5	SRTC-075CWN1-R(G)	Cooling only	Side discharge (up & down)	
8.5	SRTC-085CWN1-R(G)	Cooling only	Side discharge (up & down)	
10	SRTC-100CWN1-R(G)	Cooling only	Side discharge (up & down)	
12.5	SRTC-125CWN1-R(G)	Cooling only	Side discharge (up & down)	
15	SRTC-150CWN1-R(G)	Cooling only	Side discharge (up & down)	
20	SRTC-200CWN1-R(G)	Cooling only	Side discharge (up & down)	
25	SRTC-250CWN1-R(G)	Cooling only	Side discharge (left & right)	
30	SRTC-300CWN1-R(G)	Cooling only	Side discharge (left & right)	

Notes: Please refer to specification tables for accurate cooling capacity with kW or Btu/h.

2. External Appearances

5ton

7.5ton

8.5ton

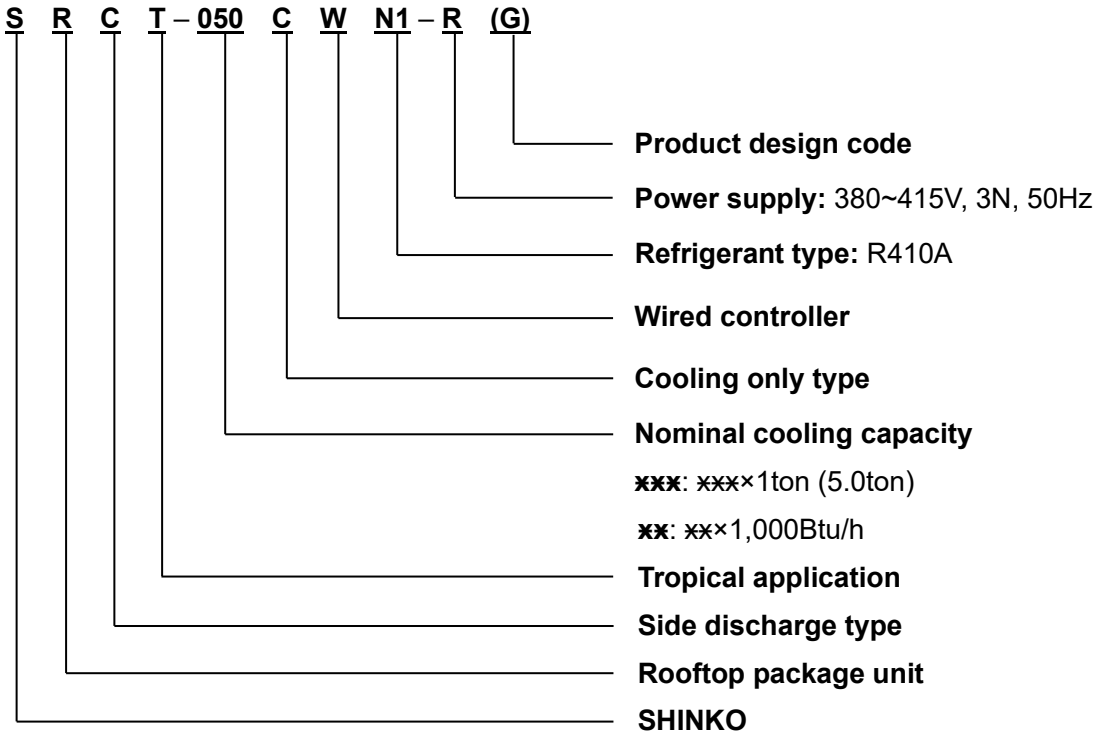
10&12.5ton

15ton

20ton

25&30ton

3. Nomenclatures



Part. 2 Performances

1. Features

- ✧ Highly reliable scroll compressor suited to extreme conditions.
- ✧ Adjustable pulley design (7.5ton to 30ton).
- ✧ Factory-completed unit and pre-drilled duct flange for easy installation.
- ✧ Anti-corrosion treatment can be customized, Filter can be customized as standard.
- ✧ Multi-protection design: system current protection, high and low pressure switch, discharge temperature & anti-freeze protection.
- ✧ Easy to installation and maintenance。
- ✧ Reserved system pressure gauge ports.
- ✧ The main PCB has 24V signal, compatible with other brand thermostat.
- ✧ ON/OFF dry contact input signal, ALARM dry contact output signal.
- ✧ XYE centralized control port as standard.
- ✧ Centralized controller + Interface as optional.
- ✧ Standard wired controller SKJR-90K Bi-communication which can show error code and so on.
- ✧ Wired controller with wifi can achieve function through mobile APP MSmartlife (Android through Google Play, iOS through APP STORE).
- ✧ Auto-restart function (for wired controller SKJR-90K and Centralized controller only)
- ✧ Standard wired controller SKJR-90K can achieve “Two control One” function (In”Two control One”, the "Follow me" function does not work).

  The difference between main and secondary controllers：

Function	Main Controller	Secondary Controller
Initialization	0	1
Timing	Yes	No
Parameter	Yes	No
WIFI	Yes	No

2. Specifications

Model			SRTC-050CWN1-R(G)	SRTC-075CWN1-R(G)
Nominal ton		**(Ton)**	**5**	**7.5**
Power supply		\	380~415V, 3N, 50Hz	380~415V, 3N, 50Hz
Cooling 1	Cooling capacity	Btu/h	58,000	84,000
		kW	17.0	24.6
	Power input	kW	5.00	7.43
Cooling 2	Cooling capacity	Btu/h	51,000	73,000
		kW	14.9	21.4
	Power input	kW	6.14	8.79
Max. current		A	14.8	22.6
Performance	Indoor air flow	CFM	2,000	2800
	ESP	Pa	Default: 60, 0 - 150	Default: 75, 0 - 200
	EER 1	Btu/h.W	11.6	11.3
	EER 2	Btu/h.W	8.3	8.3
Indoor coil	Number of rows	\	4	4
	Fin spacing	mm	1.3	1.3
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Indoor fan	Type / Quantity	\	Centrifugal / 1	Centrifugal / 1
	Motor type	\	AC	AC
	Motor quantity	\	1	1
	Motor speed	r/min	890	1400
Compressor	Type / Quantity	\	Scroll / 1	Rotary / 2
	Input	W	4,840	3470
	LRA	A	76	36.1
	Refrigerant oil	ml	1242	1,200
Outdoor coil	Number of rows	\	2	3
	Fin spacing	mm	1.5	1.5
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Outdoor fan	Type / Quantity	\	Axial / 1	Axial / 1
	Motor type	\	AC	AC
	Fan speed	r/min	710	850
Refrigerant	Type /	\	R410A	R410A
	Volume	kg	3	2.8+2.8
	Control	\	Throttle valve	Throttle valve
Sound pressure level		dB(A)	66.9	71.6
Wired controller		\	SKJR-90K/BK-E	SKJR-90K/BK-E

Continued:

Model			SRTC-050CWN1-R(G)	SRTC-075CWN1-R(G)
Nominal ton		**(Ton)**	**5**	**7.5**
Centralized controller (Optional)		\	Yes	Yes
Dimensions	Net (W×H×D)	mm	1,475×840×1130	1,483×1,231×1,138
	Packing (W×H×D)	mm	1,495×870×1150	1,500×1,255×1,155
Weight	Net	kg	215	313
	Gross	kg	220	323

Notes:

1. Nominal ton only for reference. Cooling capacity as per specifications;
2. Cooling capacity test condition: (1) Outdoor ambient temperature: 35°C, indoor temperature: 27°CDB, 19°CWB;
   Cooling capacity test condition: (2) Outdoor ambient temperature: 46°C, indoor temperature: 29°CDB, 19°CWB;
3. Units are suitable for operation to ±20% of nominal indoor air flow.
4. ESP: external static pressure;
5. Specifications are subject to change without prior notice for product improvement.

Model			SRTC-085CWN1-R(G)	SRTC-100CWN1-R(G)
Nominal ton		**(Ton)**	**8.5**	**10.0**
Power supply		\	380~415V, 3N, 50Hz	380~415V, 3N, 50Hz
Cooling 1	Cooling capacity	Btu/h	103,000	113,000
		kW	30.2	33.1
	Power input	kW	9.28	10.18
Cooling 2	Cooling capacity	Btu/h	90,000	99,600
		kW	26.4	29.2
	Power input	kW	10.84	11.99
Max. current		A	27.0	30.9
Performance	Indoor air flow	CFM	3,600	4,200
	ESP	Pa	Default: 75; 0 - 250	Default: 75; 0 - 250
	EER 1	Btu/h.W	11.1	11.1
	EER 2	Btu/h.W	8.3	8.3
Indoor coil	Number of rows	\	4×2	3
	Fin spacing	mm	1.3	1.3
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Indoor fan	Type / Quantity	\	Centrifugal / 1	Centrifugal / 1
	Motor type	\	AC	AC
	Motor quantity	\	1	1
	Motor speed	r/min	1400	1400
Compressor	Type	\	Scroll/1+Rotory/1	Scroll / 2
	Capacity	W	51500+35485	51500+51500
	Input	W	4840+3470	4840+4840
	LRA	A	76+36.1	76+76
	Refrigerant oil	ml	1242+1200	1242+1242
Outdoor coil	Number of rows	\	3	2
	Fin spacing	mm	1.5	1.5
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Outdoor fan	Type / Quantity	\	Axial / 1	Axial / 2
	Motor type	\	DC	AC
	Fan speed	r/min	870	860
Refrigerant	Type	\	R410A	R410A
	Volume	kg	3.6+3.4	4+4
	Control	\	Throttle valve	Throttle valve
Sound pressure level		dB(A)	73.3	70.5
Wired controller		\	SKJR-90K/BK-E	SKJR-90K/BK-E
Centralized controller (Optional)		\	Yes	Yes

Continued:

Model			SRTC-085CWN1-R(G)	SRTC-100CWN1-R(G)
Nominal ton		**(Ton)**	**8.5**	**10.0**
Dimensions	Net (W×H×D)	mm	1,965×1,230×1,130	1,670×1,247×2,192
	Packing (W×H×D)	mm	1,995×1,255×1,160	1,695×1,284×2,212
Weight	Net	kg	388	480
	Gross	kg	400	505

Notes:

1. Nominal ton only for reference. Cooling capacity as per specifications;
2. Cooling capacity test condition: (1) Outdoor ambient temperature: 35°C, indoor temperature: 27°C DB, 19°CWB;
   Cooling capacity test condition: (2) Outdoor ambient temperature: 46°C, indoor temperature: 29°CDB, 19°CWB;
3. Units are suitable for operation to ±20% of nominal indoor air flow.
4. ESP: external static pressure;
5. Specifications are subject to change without prior notice for product improvement.

Model			SRTC-125CWN1-R(G)	SRTC-150CWN1-R(G)
Nominal ton		**(Ton)**	**12.5**	**15**
Power Supply		\	380~415V, 3N, 50Hz	380~415V, 3N, 50Hz
Cooling 1	Cooling capacity	Btu/h	136,000	155,000
		kW	39.9	45.4
	Power input	kW	12.25	14.35
Cooling 2	Cooling capacity	Btu/h	120,000	140,000
		kW	35.2	41.0
	Power input	kW	14.45	17.28
Max. current		A	36.8	41.8
Performance	Indoor air flow	CFM	4,500	5,200
	ESP	Pa	Default: 85; 0 - 300	Default: 110; 0 - 300
	EER 1	Btu/h.W	11.1	10.8
	EER 2	Btu/h.W	8.3	8.1
Indoor coil	Number of rows	\	4	4
	Fin spacing	mm	1.3	1.3
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Indoor fan	Type / Quantity	\	Centrifugal / 1	Centrifugal / 1
	Motor type	\	AC	AC
	Motor quantity	\	1	1
	Motor speed	r/min	1400	1420
Compressor	Type / Quantity	\	Scroll / 2	Scroll / 2
	Capacity	W	58500+58500	69632+69632
	Input	W	5650+5650	6272+6272
	LRA	A	75+75	100+100
	Refrigerant oil	ml	1774	1570+1570
Outdoor coil	Number of rows	\	3	3
	Fin spacing	mm	1.5	1.5
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Outdoor fan	Type/ Quantity	\	Axial / 2	Axial / 2
	Motor type	\	DC	DC
	Fan speed	RPM	700+900	800+900
Refrigerant	Type	\	R410A	R410A
	Volume	kg	6.8+6.8	6.4+6.4
	Control	\	Throttle valve	Throttle valve
Sound pressure level		dB(A)	73.8	75.9
Wired controller		\	SKJR-90K/BK-E	SKJR-90K/BK-E
Centralized controller (Optional)		\	Yes	Yes

Continued:

Model			SRTC-125CWN1-R(G)	SRTC-150CWN1-R(G)
Nominal ton		**(Ton)**	**12.5**	**15**
Dimensions	Net (W×H×D)	mm	1,670×l,247×2,192	1,670×1,247×2,192
	Packing (W×H×D)	mm	1,695×l,284×2,212	1,695×1,284×2,212
Weight	Net	kg	570	605
	Gross	kg	595	630

Notes:

1. Nominal ton only for reference. Cooling capacity as per specifications;
2. Cooling capacity test condition: (1) Outdoor ambient temperature: 35°C, indoor temperature: 27°CDB, 19°CWB;
   Cooling capacity test condition: (2) Outdoor ambient temperature: 46°C, indoor temperature: 29°CDB, 19°CWB;
3. Units are suitable for operation to ±20% of nominal indoor air flow.
4. ESP: external static pressure;
5. Specifications are subject to change without prior notice for product improvement.

Model			SRTC-200CWN1-R(G)	SRTC-250CWN1-R(G)
Nominal ton		**(Ton)**	**20**	**25**
Power supply		\	380~415V, 3N, 50Hz	380~415V, 3N, 50Hz
Cooling 1	Cooling capacity	Btu/h	224,000	292,000
		kW	65.7	85.6
	Power input	kW	20.74	27.55
Cooling 2	Cooling capacity	Btu/h	190,000	258,000
		kW	55.7	75.6
	Power input	kW	23.45	33.07
Max. current		A	58.4	75.4
Performance	Indoor air flow	CFM	6,600	8,900
	ESP	Pa	Default: 110; 0 - 300	Default: 110; 0 - 300
	EER 1	Btu/h.W	10.8	10.6
	EER 2	Btu/h.W	8.1	7.8
Indoor coil	Number of rows	\	4 x 2	4
	Fin spacing	mm	1.6	1.6
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Indoor fan	Type / Quantity	\	Centrifugal / 1	Centrifugal / 1
	Motor type	\	AC	AC
	Motor quantity	\	1	1
	Motor speed	r/min	1440	1440
Compressor	Type / Quantity	\	Scroll / 2	Scroll / 2
	Capacity	Btu/h	102,000 x 2	152383+119079
	Input	W	9190 x 2	13732+10450
	LRA	A	127 x 2	197+168
	Refrigerant oil	ml	2513x2	3600+3300
Outdoor coil	Number of rows	\	(3+3)+(3+3)	(3+3)+(3+2)
	Fin spacing	mm	1.5	1.5
	Fin type	\	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7	Φ7
	Tube type	\	Inner grooved copper pipe	Inner grooved copper pipe
Outdoor fan	Type / Quantity	\	Axial / 2	Axial / 2
	Motor type	\	DC	AC
	Motor quantity	\	2	2
	Fan speed	r/min	900+960	910
Refrigerant	Type	\	R410A	R410A
	Volume	kg	8.8+8.8	13+11
	Control	\	Throttle valve	Throttle valve
Sound pressure level		dB(A)	77.5	79.9
Wired controller		\	SKJR-90K/BK-E	SKJR-90K/BK-E
Centralized controller (Optional)		\	Yes	Yes

Continued:

Model			SRTC-200CWN1-R(G)	SRTC-250CWN1-R(G)
Nominal ton		**(Ton)**	**20**	**25**
Dimensions	Net (W×H×D)	mm	2,320×1,245×2,220	2,885×1,655×2,230
	Packing (W×H×D)	mm	2,330×1,275×2,230	2,895×1,690×2,251
Weight	Net	kg	871	1145
	Gross	kg	910	1190

Notes:

1. Nominal ton only for reference. Cooling capacity as per specifications;
2. Cooling capacity test condition: (1) Outdoor ambient temperature: 35°C, indoor temperature: 27°CDB, 19°CWB;
   Cooling capacity test condition: (2) Outdoor ambient temperature: 46°C, indoor temperature: 29°CDB, 19°CWB;
3. Units are suitable for operation to ±20% of nominal indoor air flow.
4. ESP: external static pressure;
5. Specifications are subject to change without prior notice for product improvement.

Model			SRTC-300CWN1-R(G)
Nominal ton		**(Ton)**	**30**
Power supply		\	380~415V, 3N, 50Hz
Cooling 1	Cooling capacity	Btu/h	332,000
		kW	97.3
	Power input	kW	31.32
Cooling 2	Cooling capacity	Btu/h	289,000
		kW	84.7
	Power input	kW	37.05
Max. current		A	83.8
Performance	Indoor air flow	CFM	10,300
	ESP	Pa	Default: 110; 0 - 350
	EER 1	Btu/h.W	10.6
	EER 2	Btu/h.W	7.8
Indoor coil	Number of rows	\	4
	Fin spacing	mm	1.6
	Fin type	\	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7+Φ7
	Tube type	\	Inner grooved copper pipe
Indoor fan	Type / Quantity	\	Centrifugal / 1
	Motor type	\	AC
	Motor quantity	\	1
	Motor speed	r/min	1440
Compressor	Type / Quantity	\	Scroll / 2
	Capacity	Btu/h	152383 x 2
	Input	W	13732 x 2
	LRA	A	197 x 2
	Refrigerant oil	ml	3600 x 2
Outdoor coil	Number of rows	\	3
	Fin spacing	mm	1.5
	Fin type	\	Hydrophilic aluminum fin
	Tube diameter	mm	Φ7
	Tube type	\	Inner grooved copper pipe
Outdoor fan	Type / Quantity	\	Axial / 2
	Motor type	\	AC
	Motor quantity	\	2
	Fan speed	r/min	910
Refrigerant	Type	\	R410A
	Volume	kg	13.5+13.5
	Control	\	Throttle valve
Sound pressure level		dB(A)	80.1
Wired controller		\	SKJR-90K/BK-E
Centralized controller (Optional)		\	Yes

Continued:

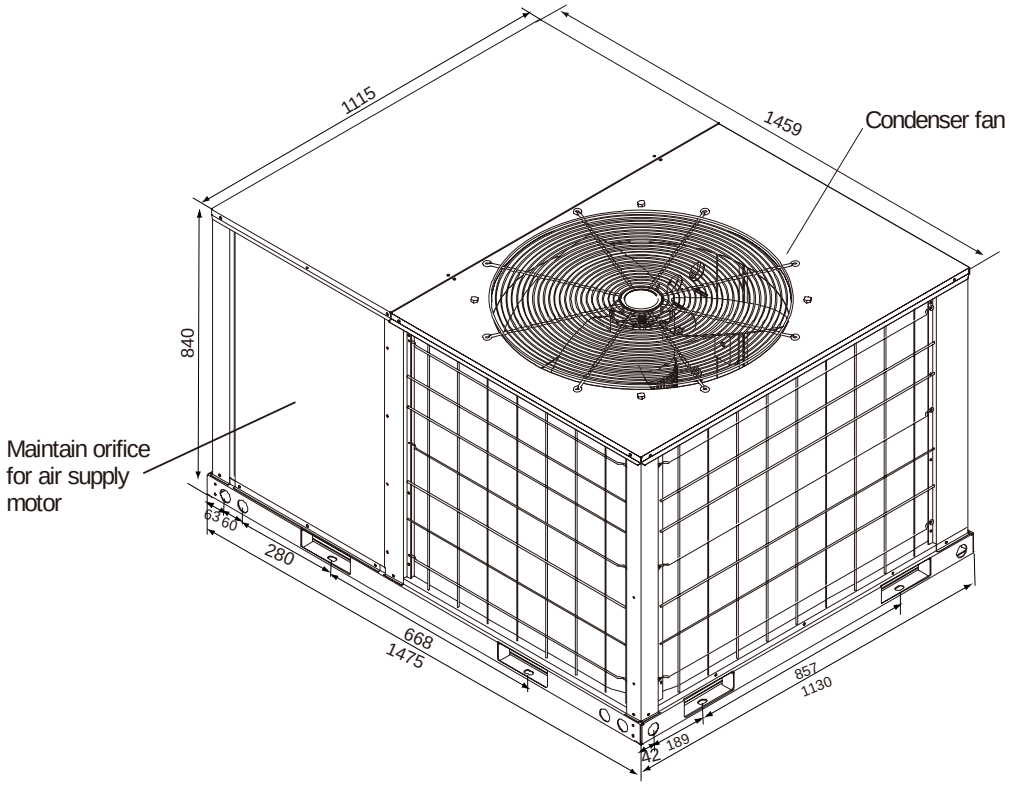
Model			SRTC-300CWN1-R(G)
Nominal ton		**(Ton)**	**30**
Dimensions	Net (W×H×D)	mm	2,885×1,655×2,230
	Packing (W×H×D)	mm	2,895×1,690×2,251
Weight	Net	kg	1165
	Gross	kg	1210

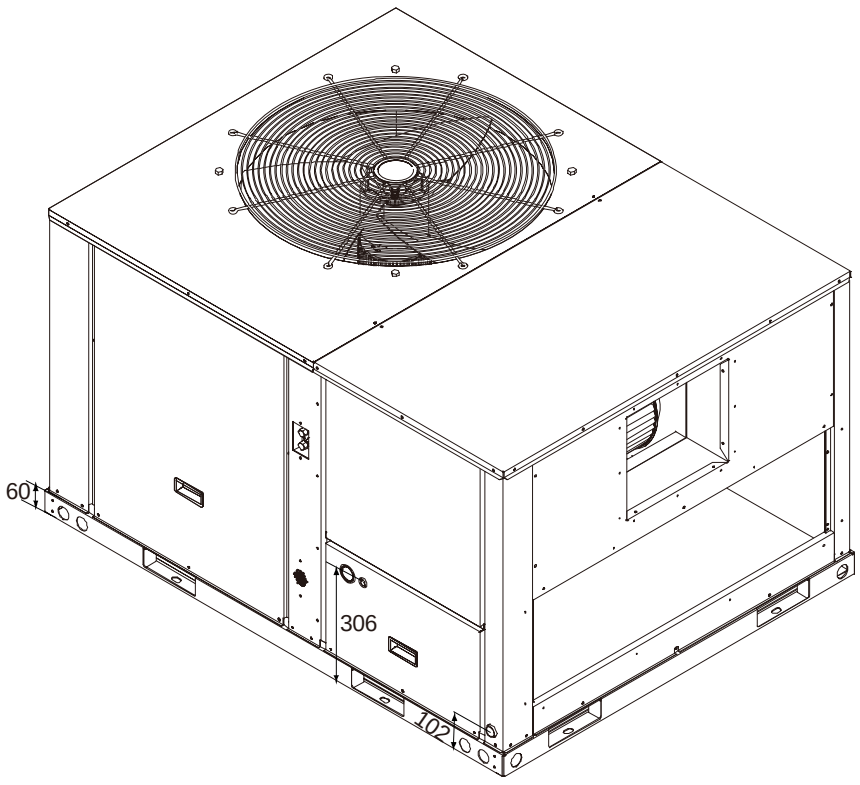
Notes:

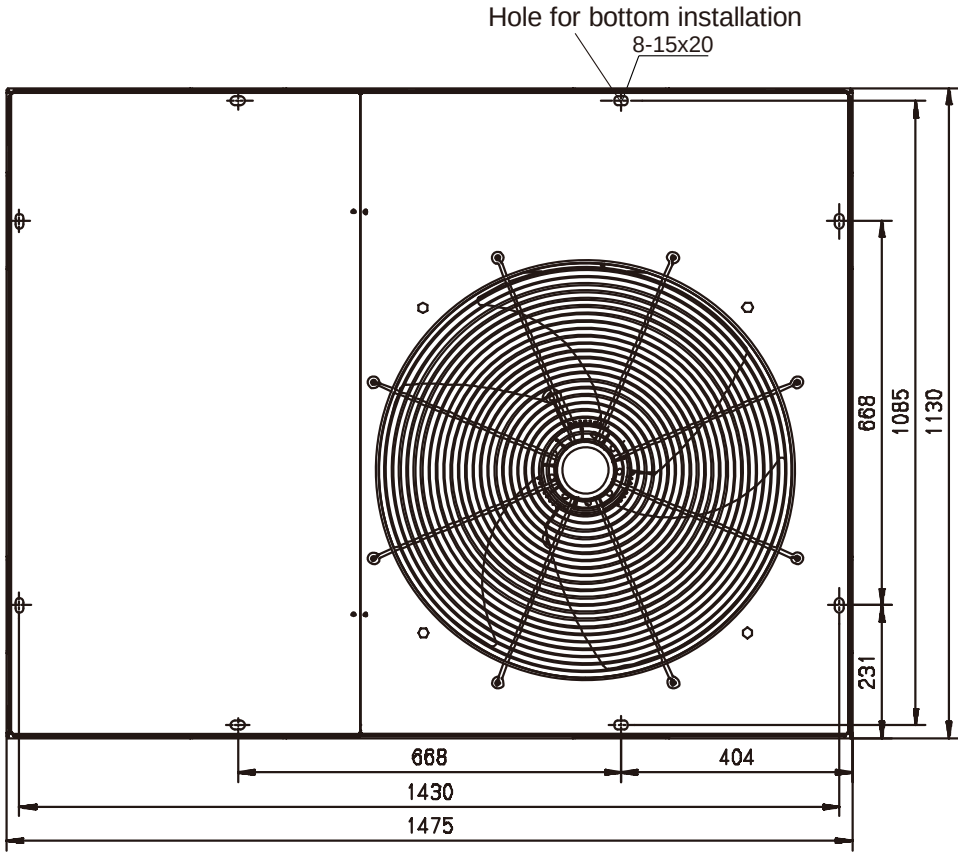
1. Nominal ton only for reference. Cooling capacity as per specifications;
2. Cooling capacity test condition: (1) Outdoor ambient temperature: 35°C, indoor temperature: 27°CDB, 19°CWB;
   Cooling capacity test condition: (2) Outdoor ambient temperature: 46°C, indoor temperature: 27°CDB, 19°CWB;
3. Units are suitable for operation to ±20% of nominal indoor air flow.
4. ESP: external static pressure;
5. Specifications are subject to change without prior notice for product improvement.

3. Dimensions Drawings

SRTC-050CWN1-R(G): (Unit: mm)



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1430
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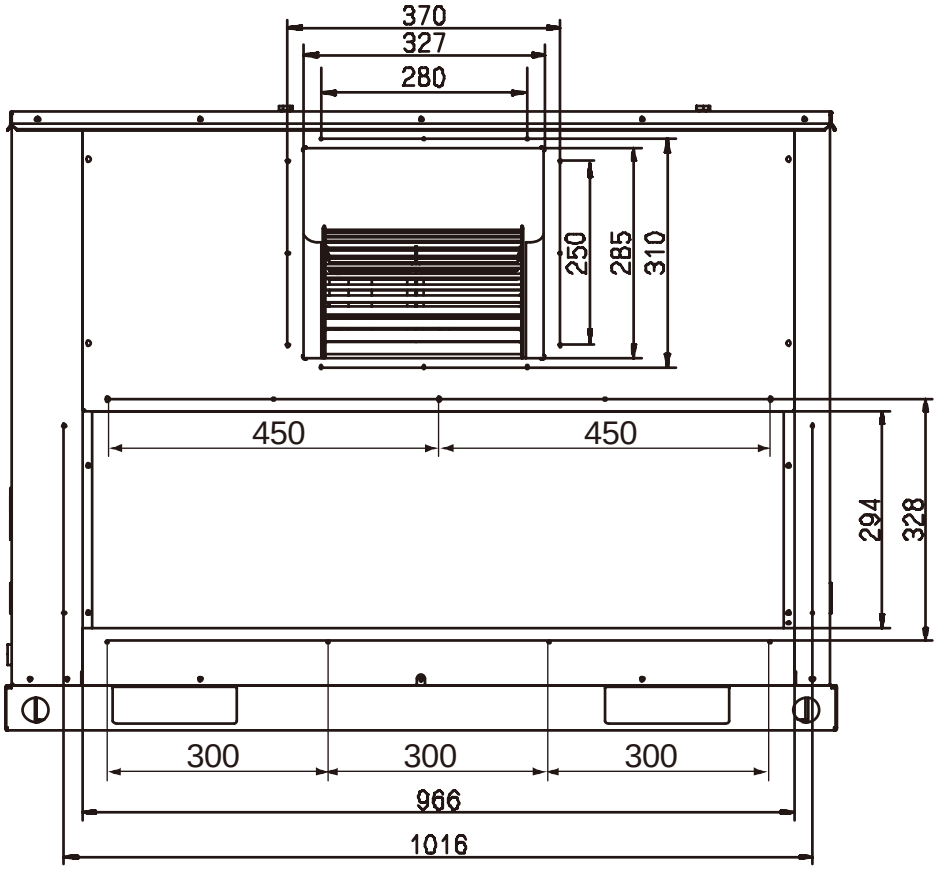
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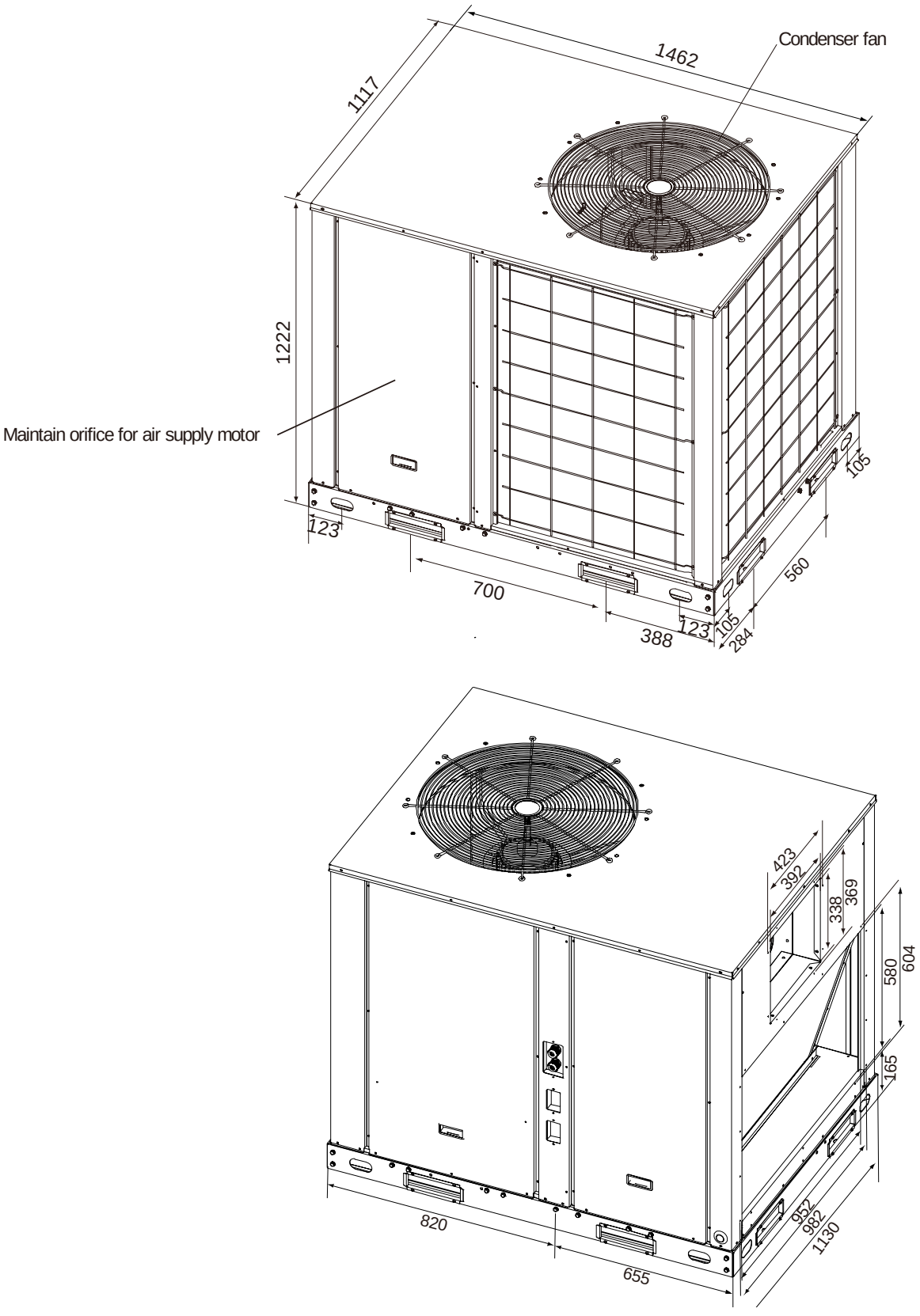
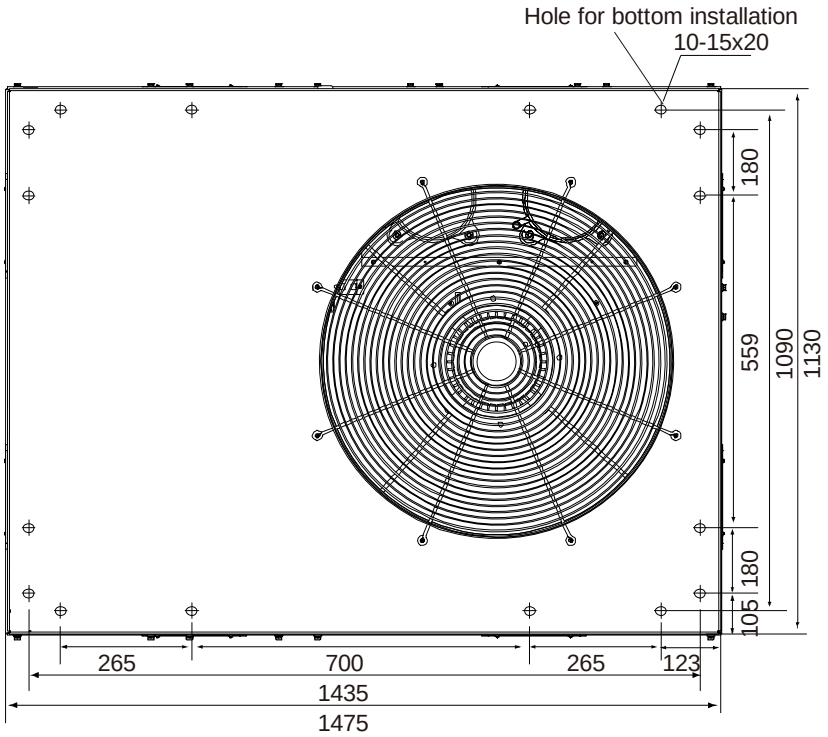
SRTC-075CWN1-R(G): (Unit: mm)

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123
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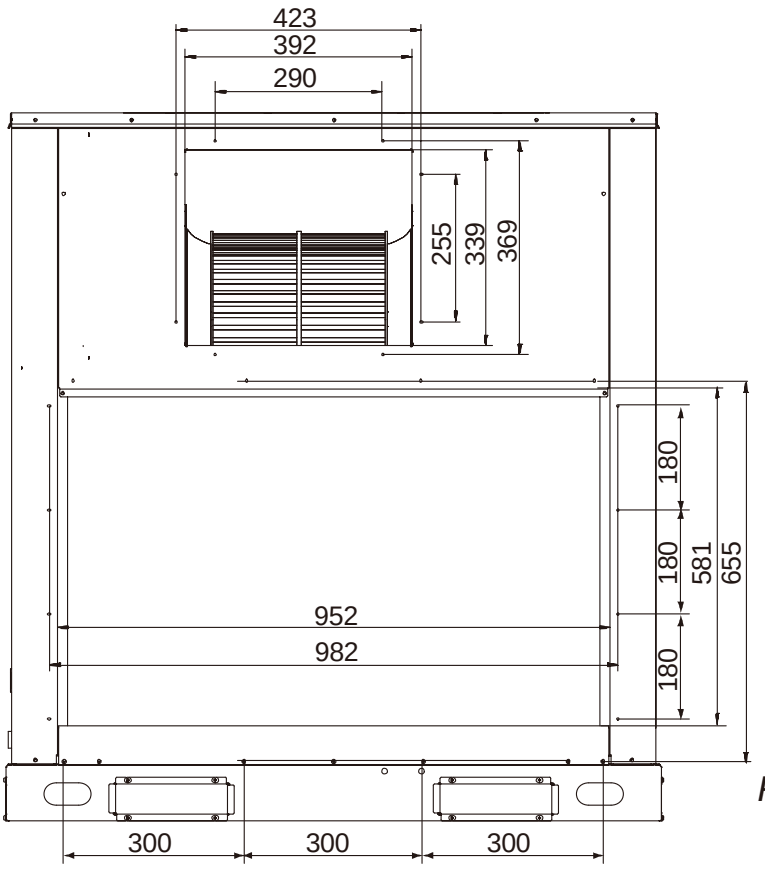
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982
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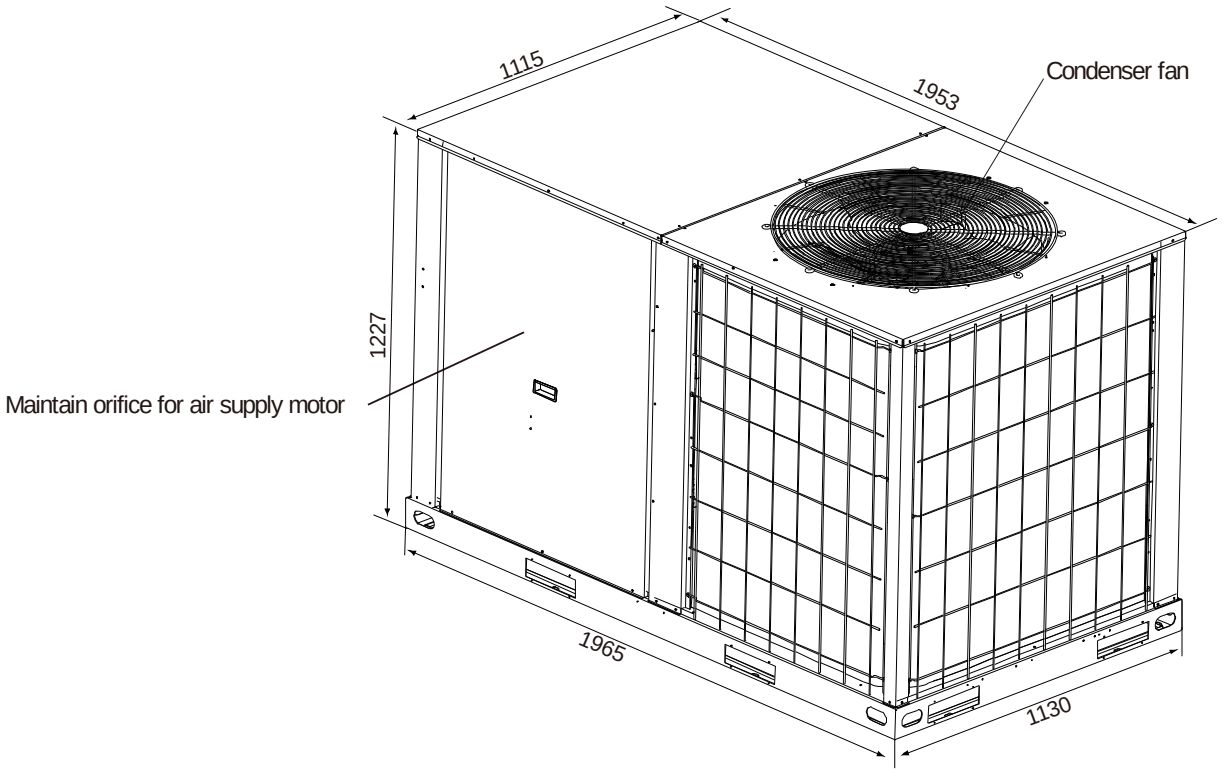
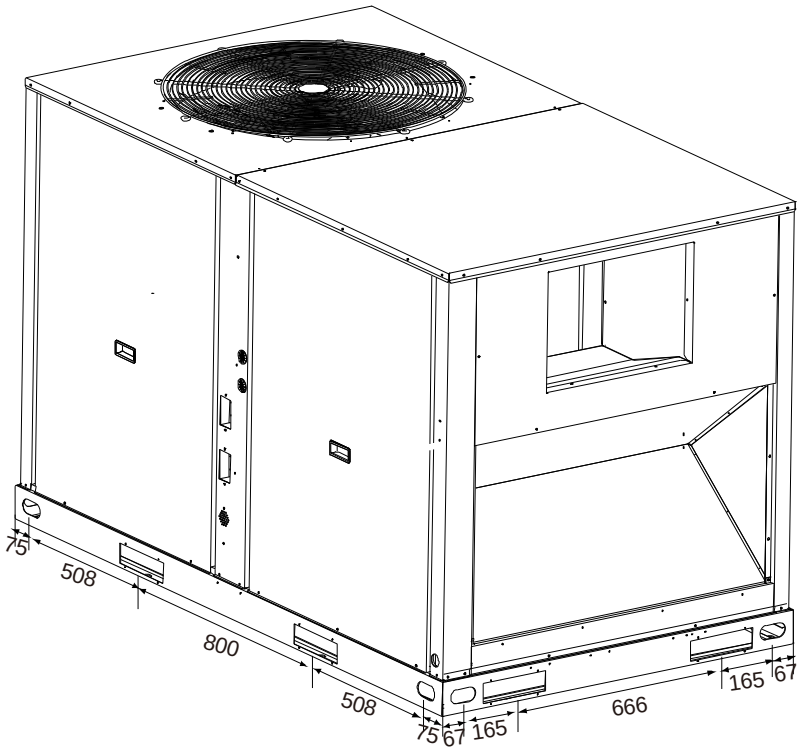
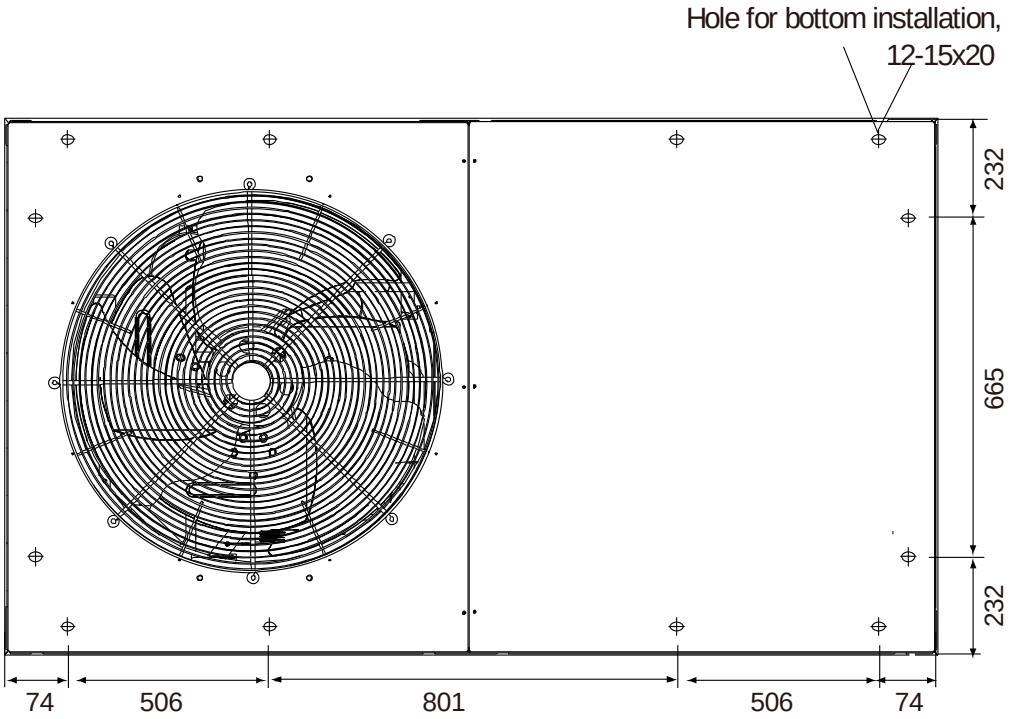
300
300

SRTC-085CWN1-R(G): (Unit: mm)



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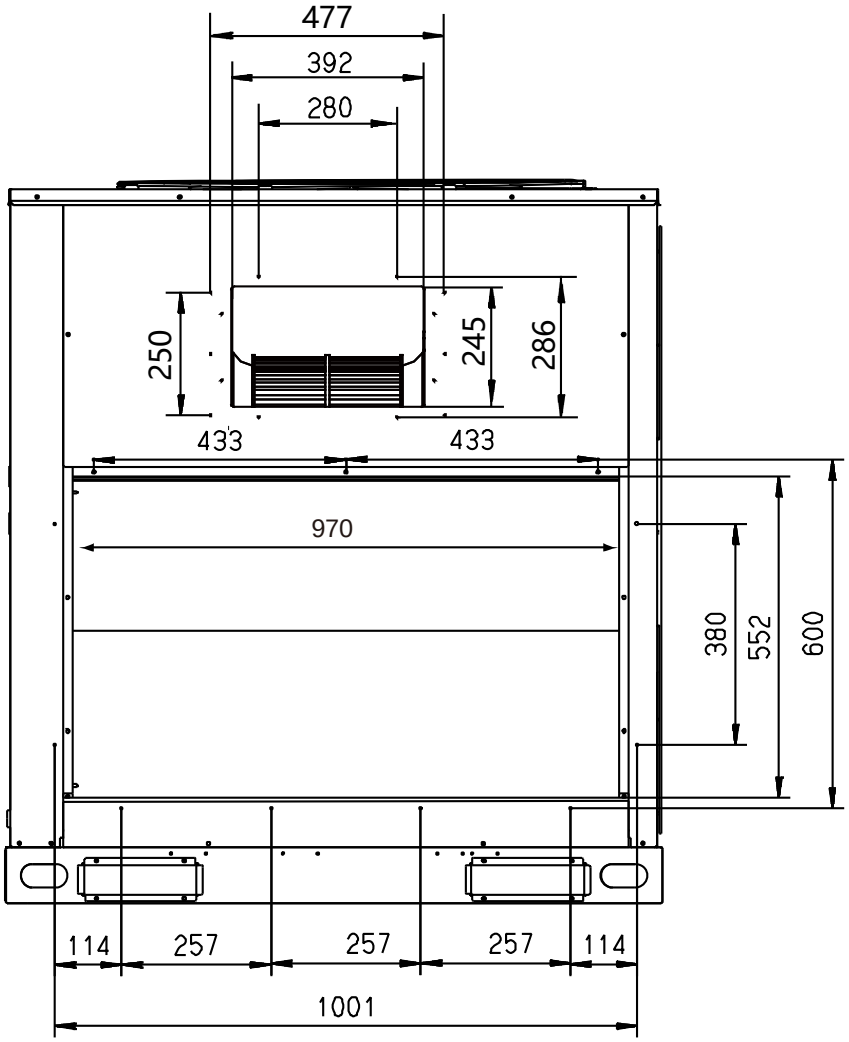
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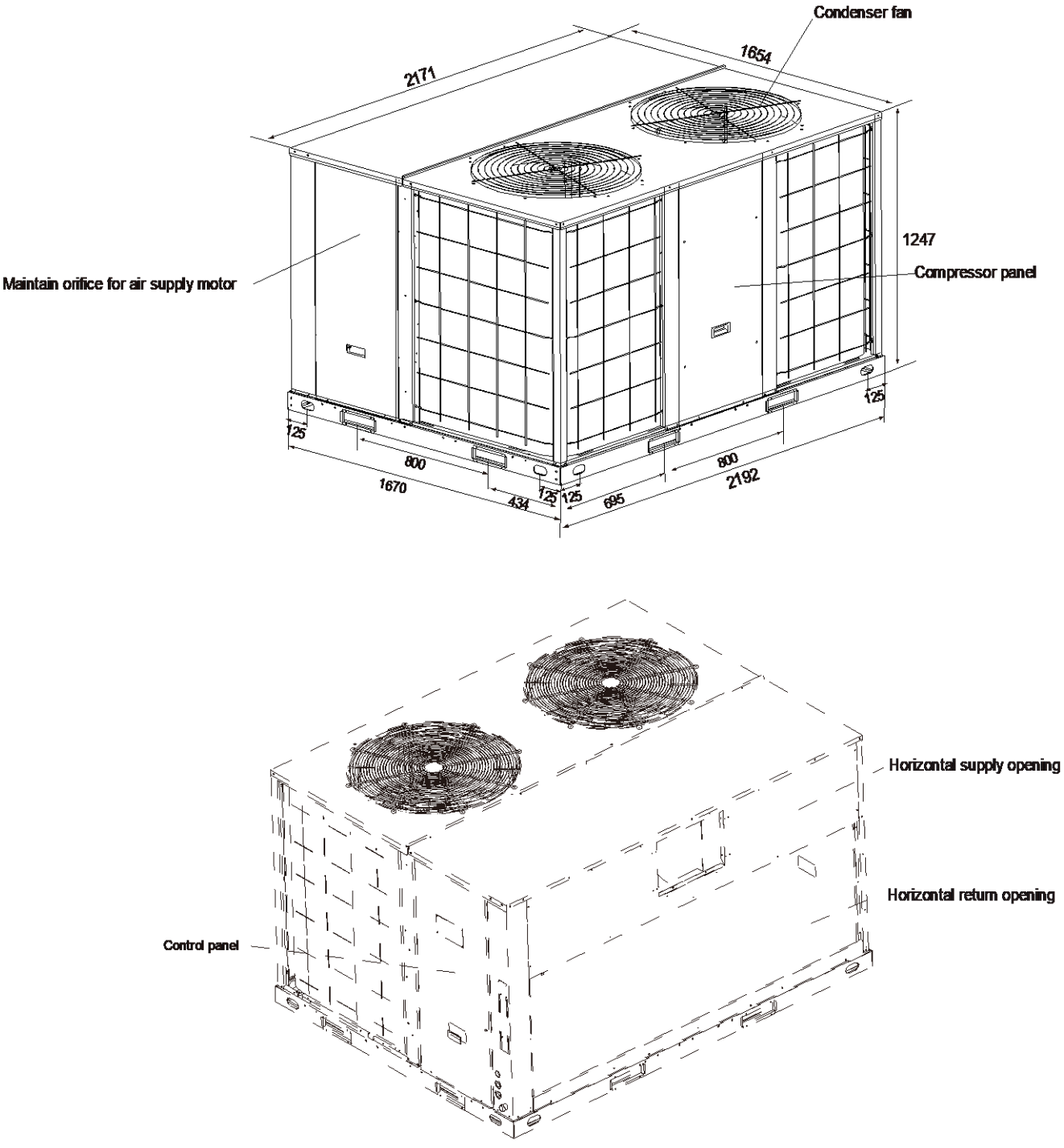
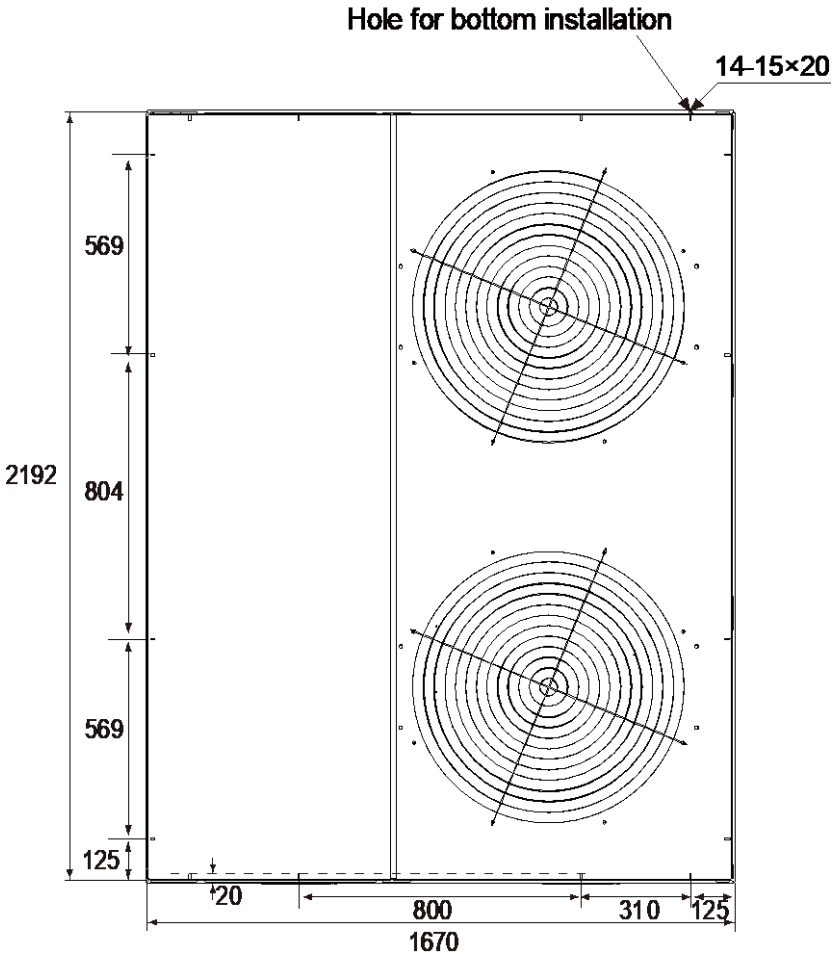
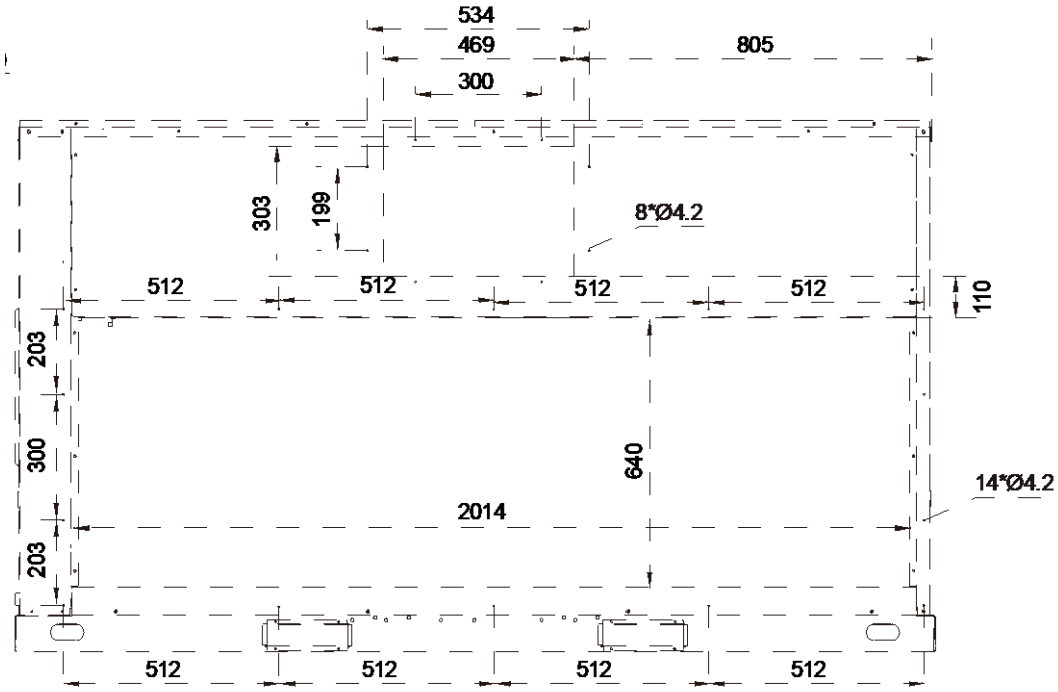
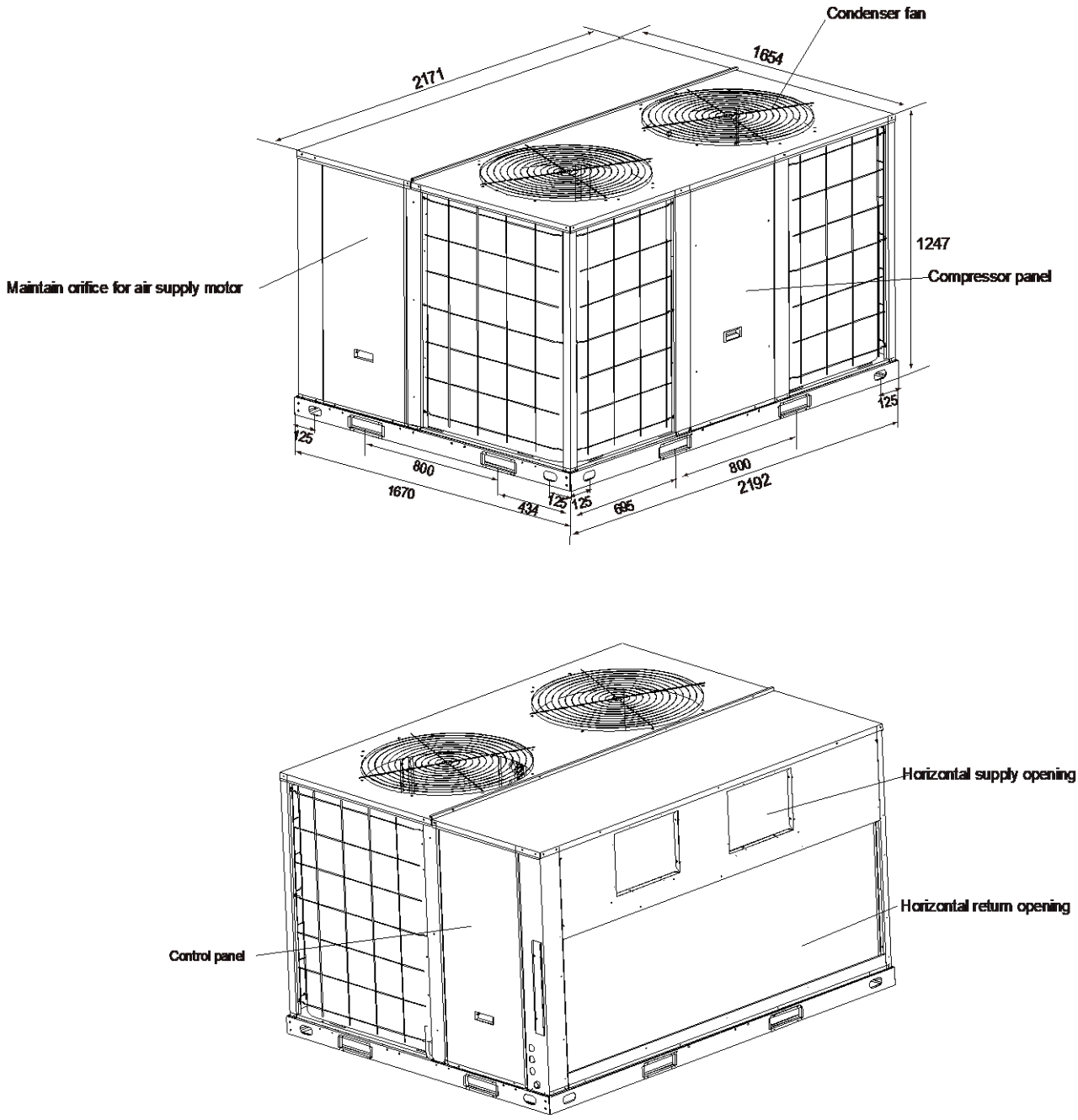
SRTC-100CWN1-R(G), SRTC-125CWN1-R(G): (Unit: mm)

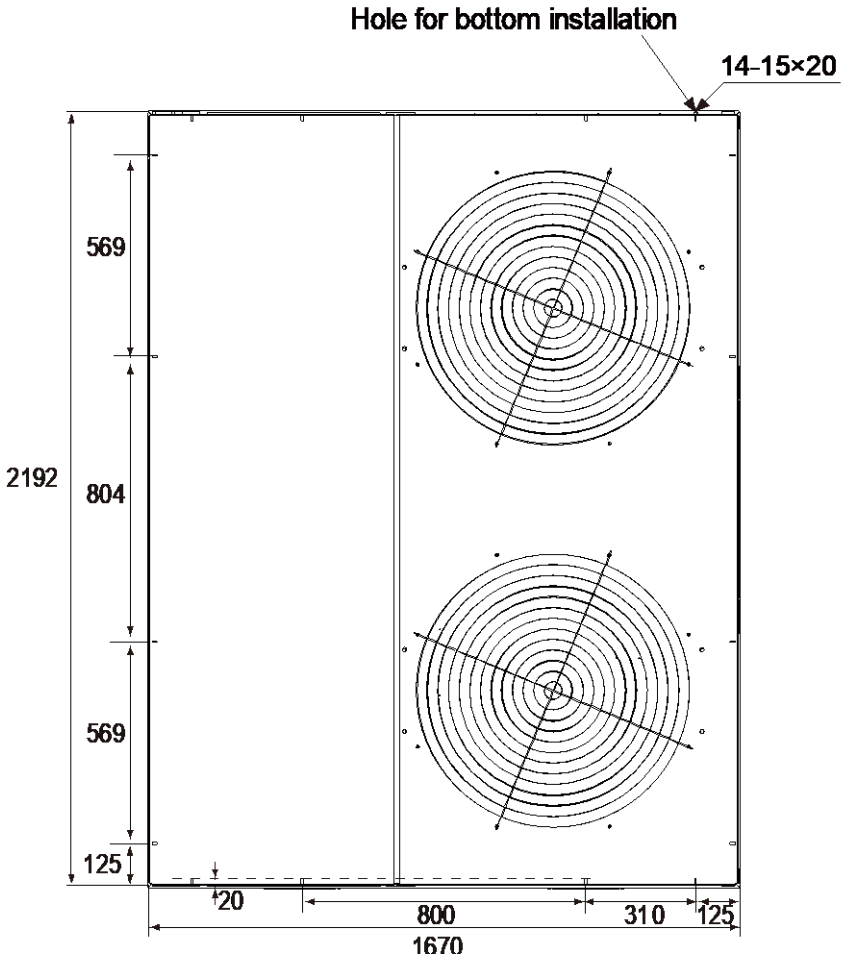


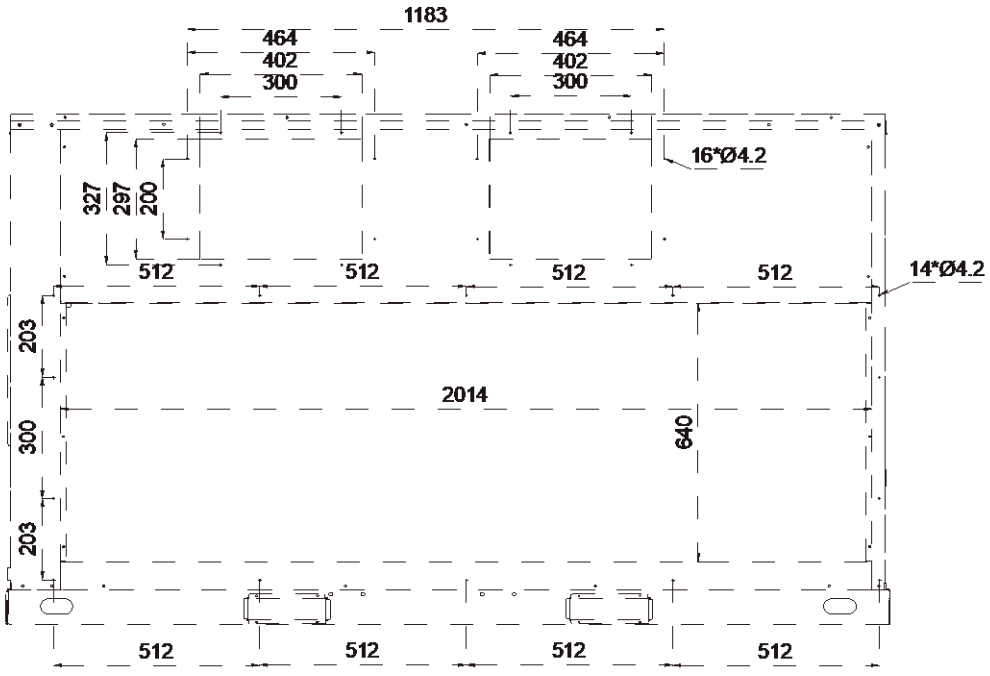

Hole for bottom installation
14-15×20
569
804
569
125
2192
20
800
310
125
1670


534
469
805
300
303
199
8*Ø4.2
512
512
512
512
110
203
300
203
640
14*Ø4.2
2014
512
512
512
512

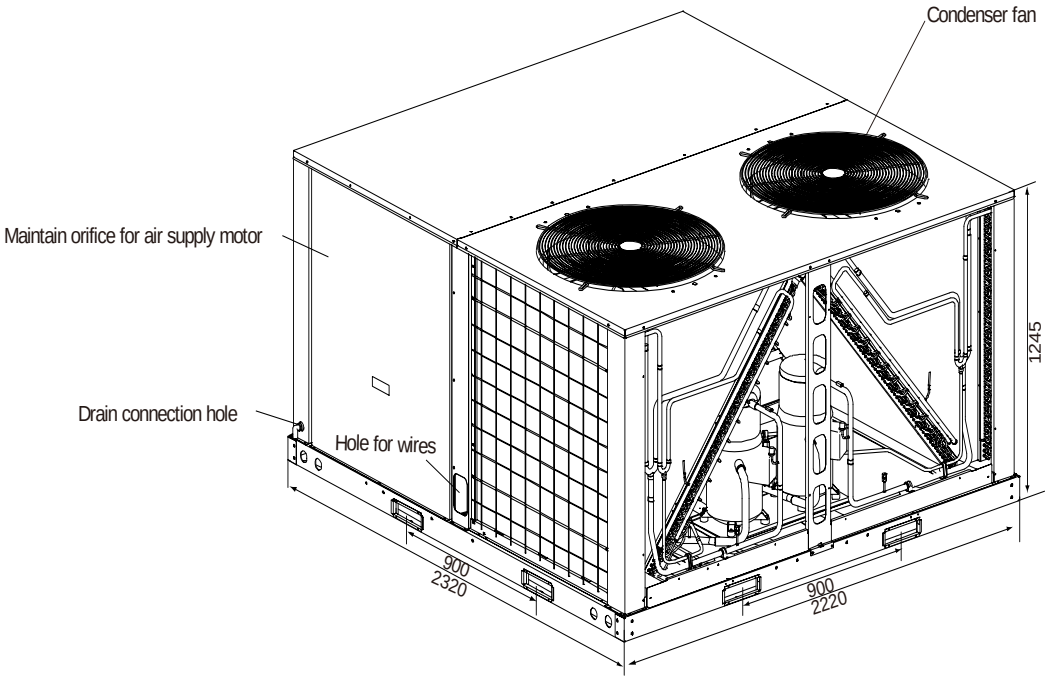
SRTC-150CWN1-R(G): (Unit: mm)

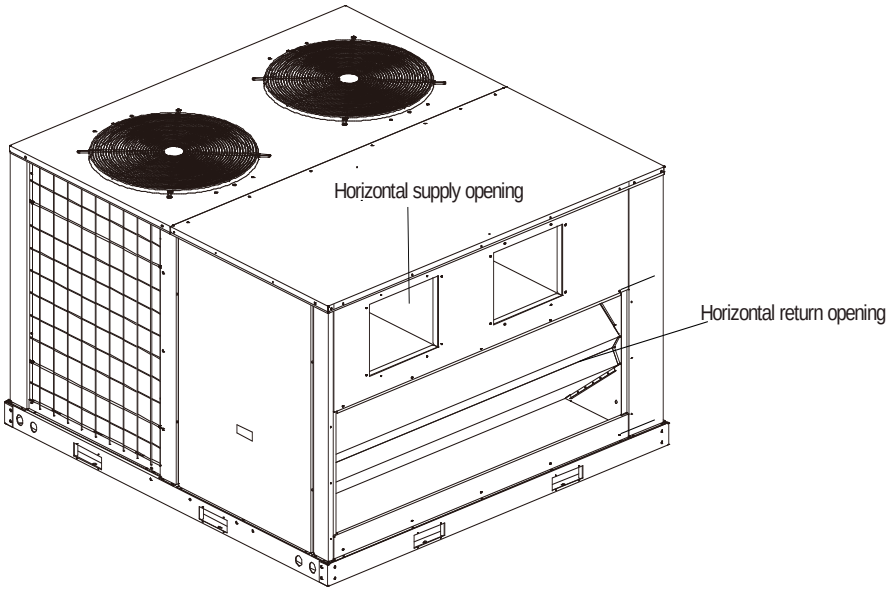


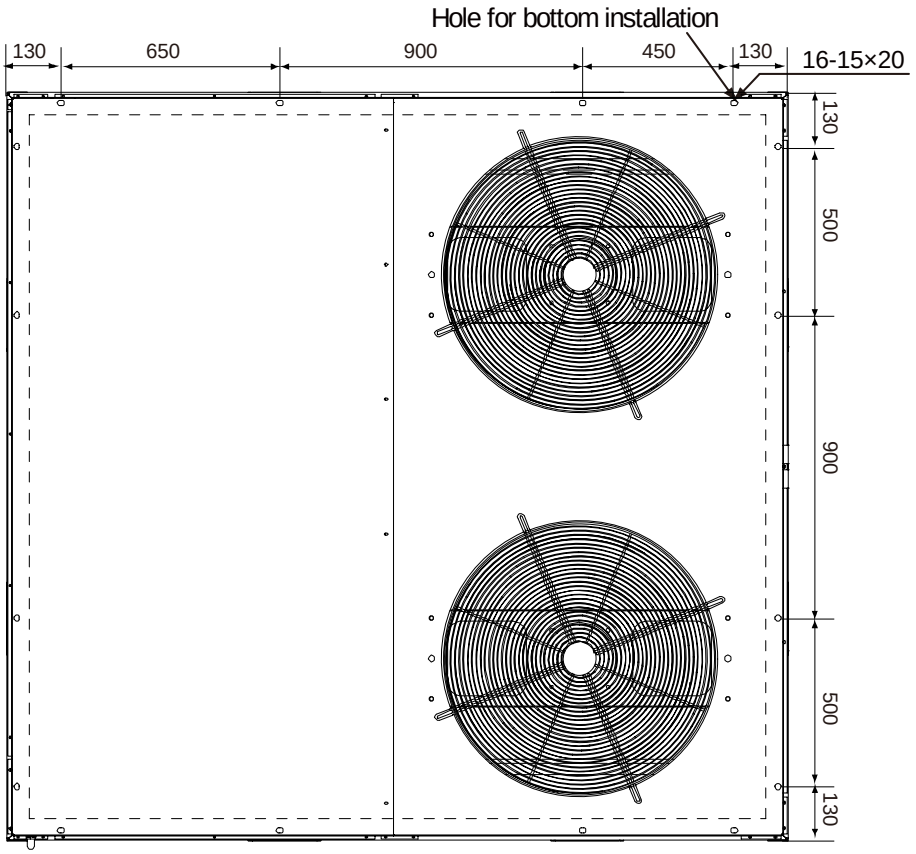

Hole for bottom installation
14-15×20
569
804
569
125
2192
20
800
310
125
1670

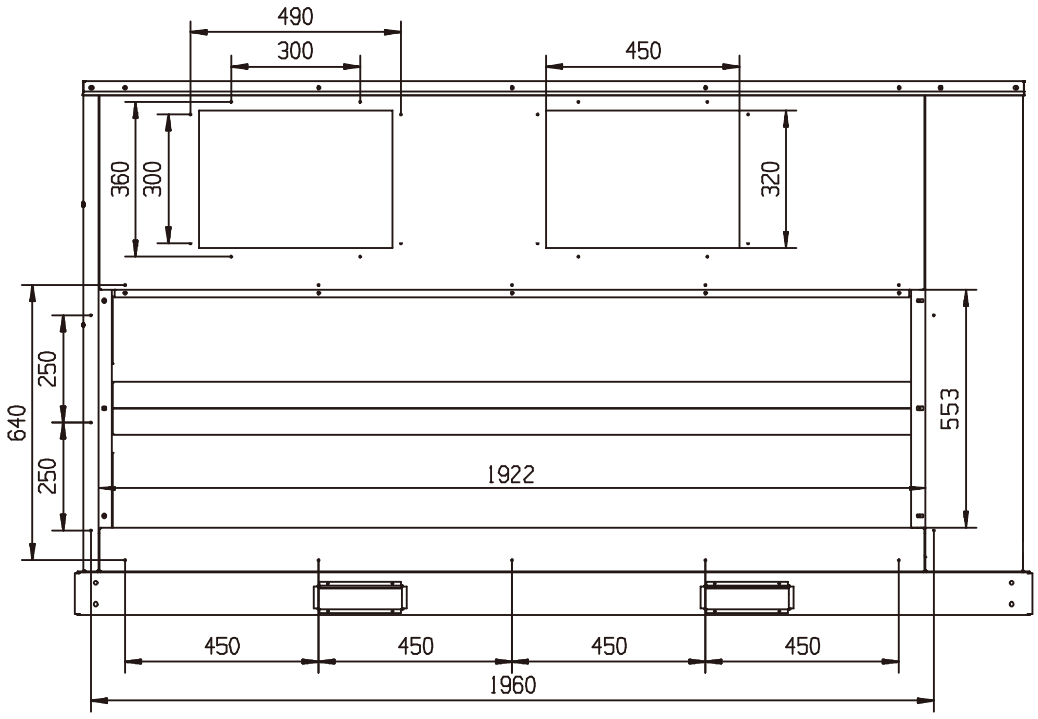

1183
464
402
300
464
402
300
16*Ø4.2
327
297
200
512
512
512
512
14*Ø4.2
203
300
203
2014
640
512
512
512
512

SRTC-200CWN1-R(G): (Unit: mm)

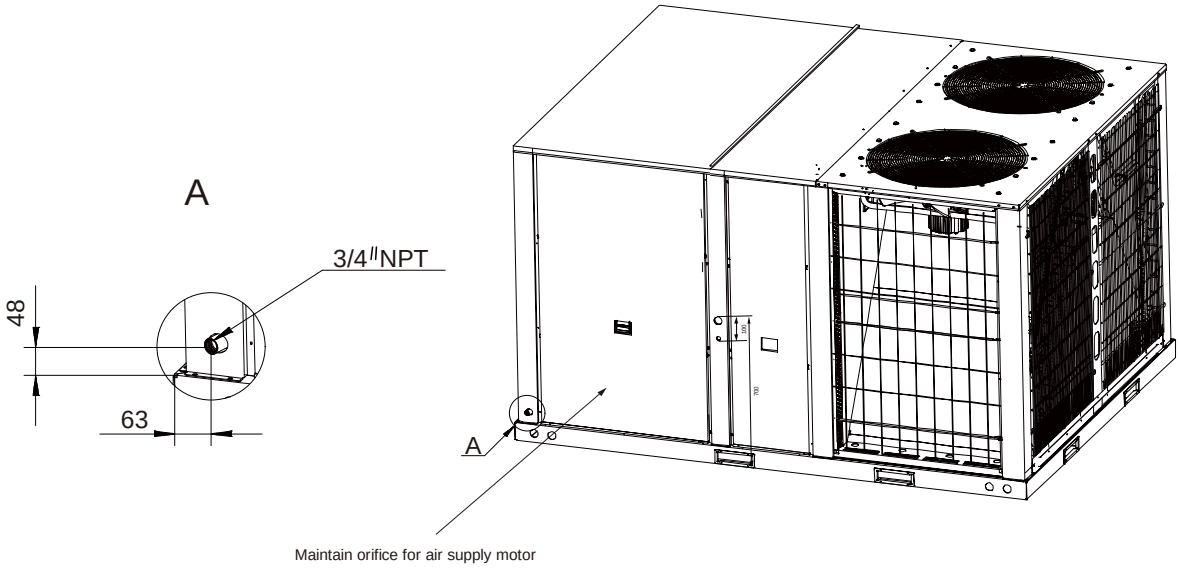


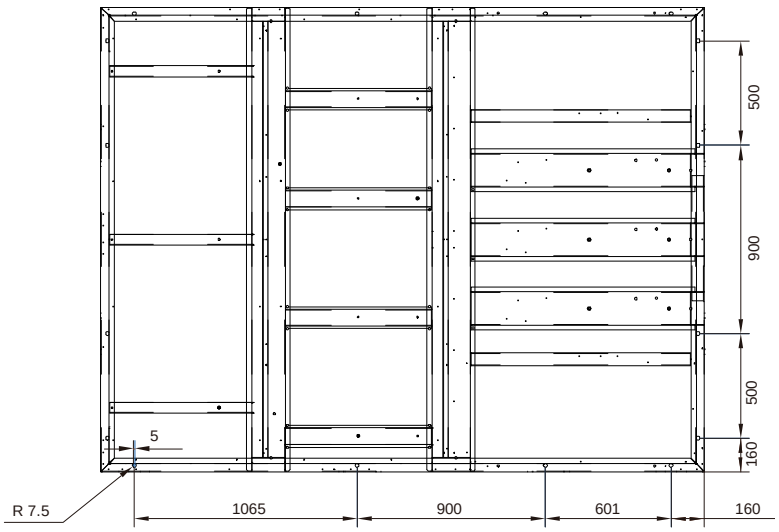


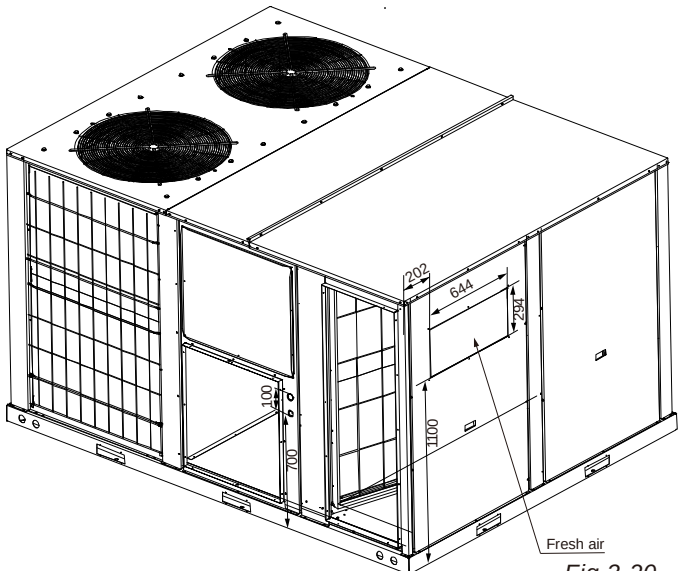

Hole for bottom installation
130
650
900
450
130
16-15×20
130
500
900
500
130

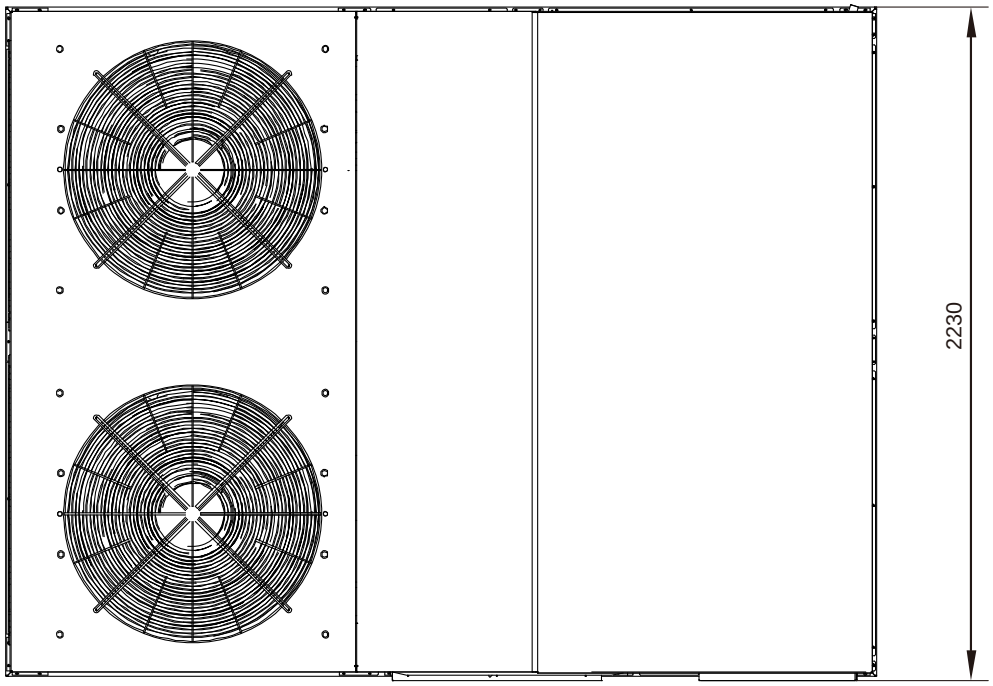

490
300
450
360
300
320
640
250
250
553
1922
450
450
450
450
1960

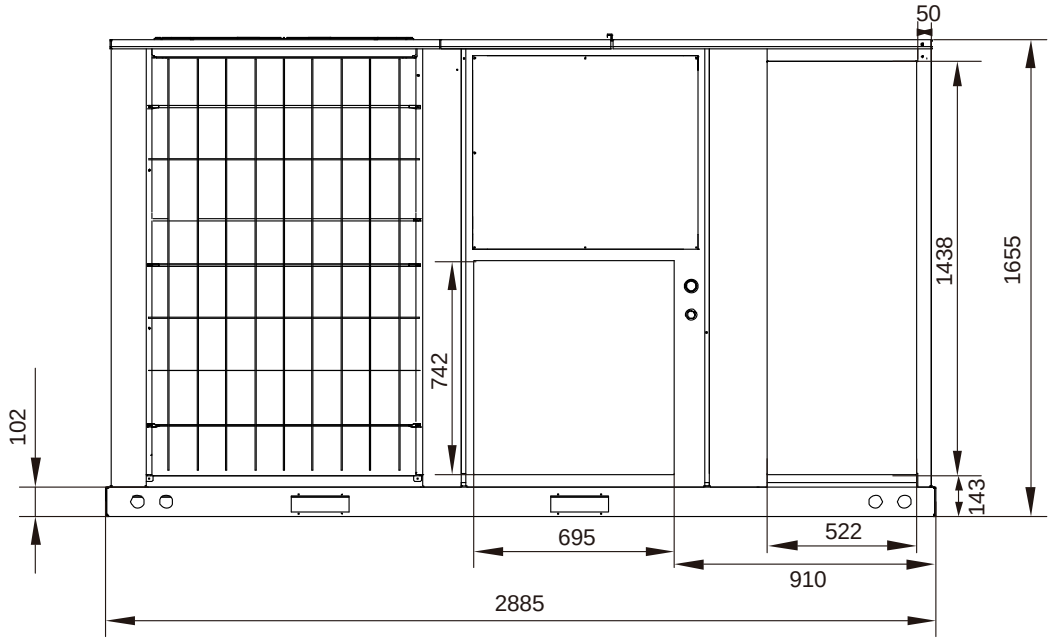
SRTC-250CWN1-R(G), SRTC-300CWN1-R(G): (Unit: mm)





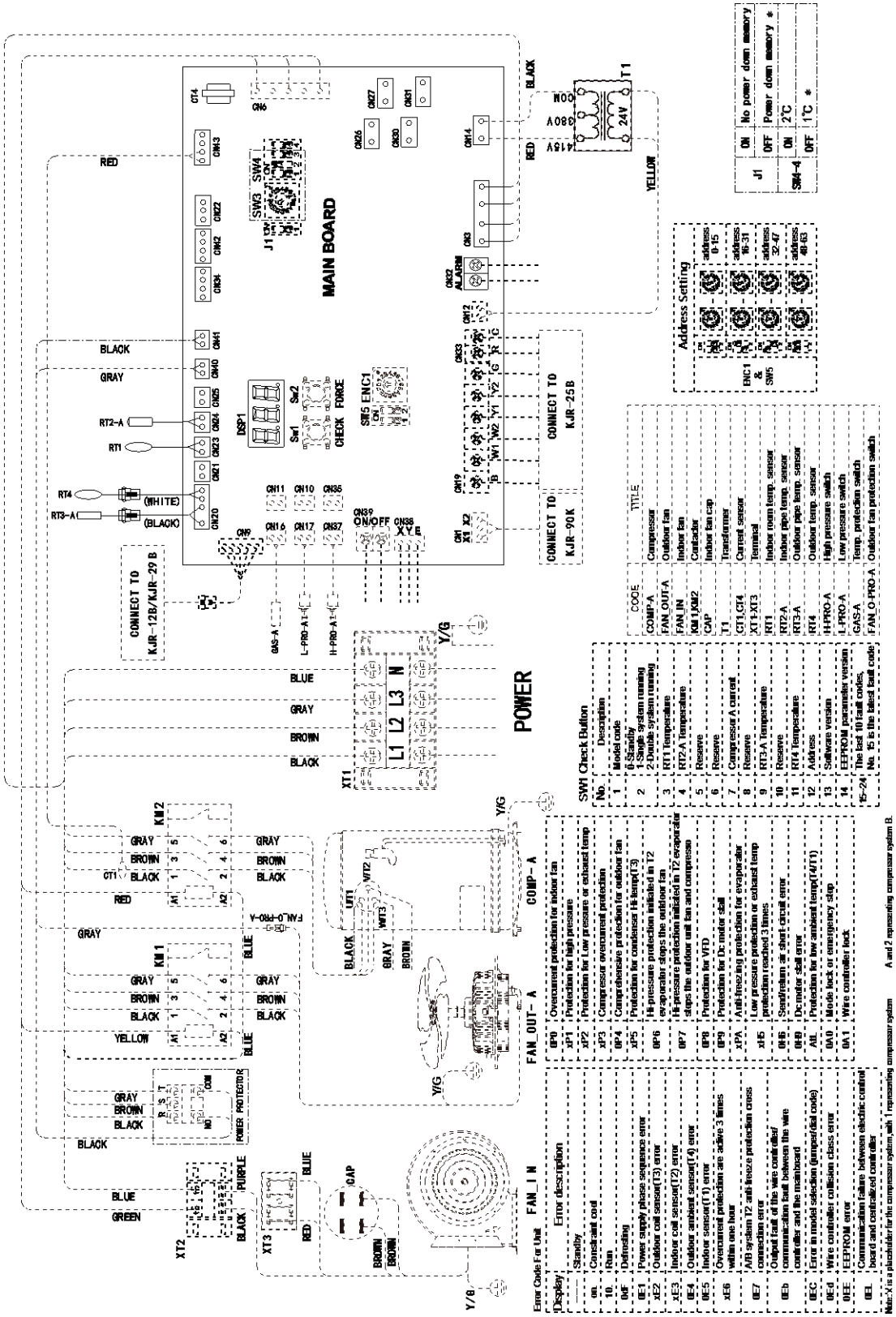



2230

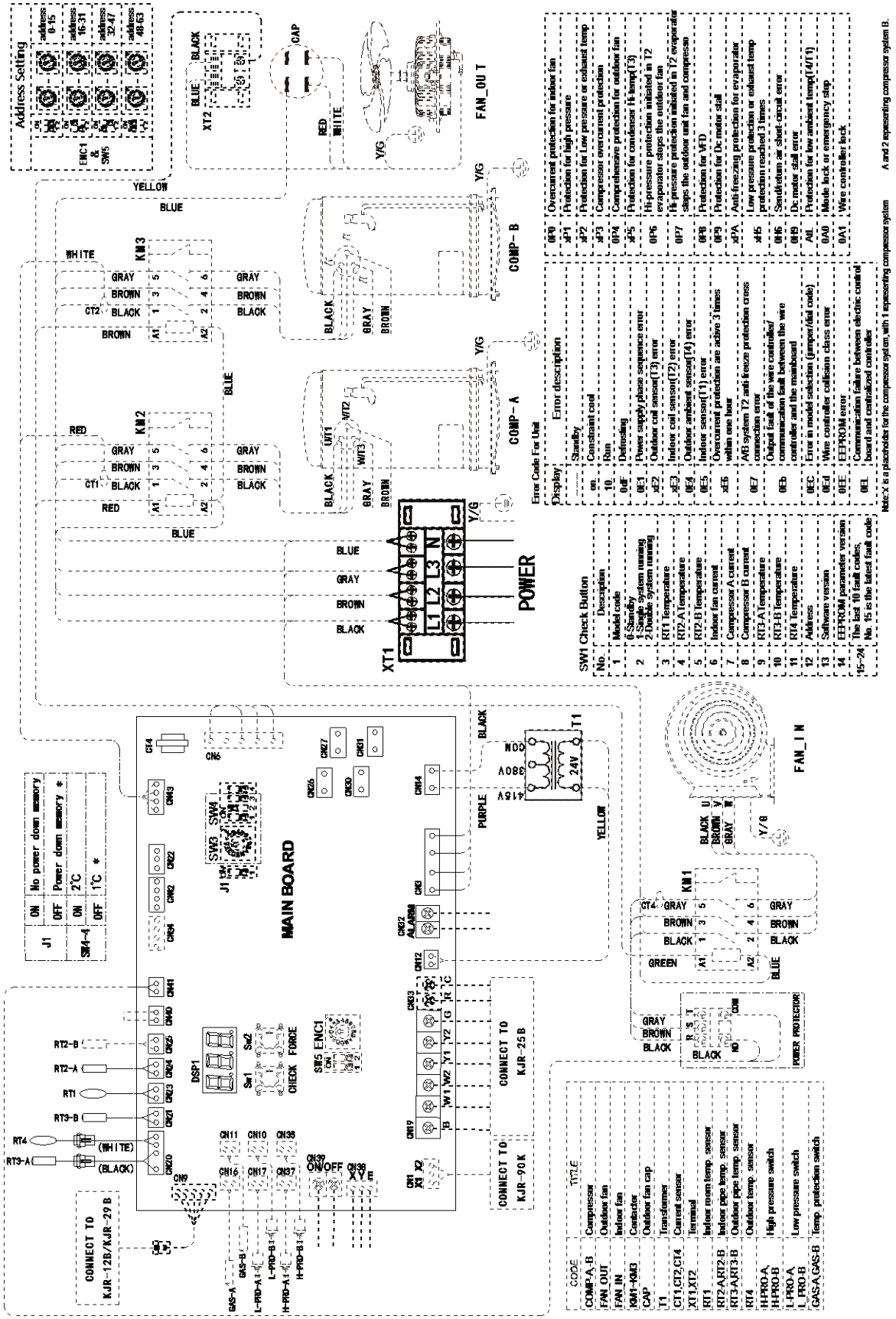

50
1438
1655
742
102
143
695
522
910
2885

4. Wiring Diagrams

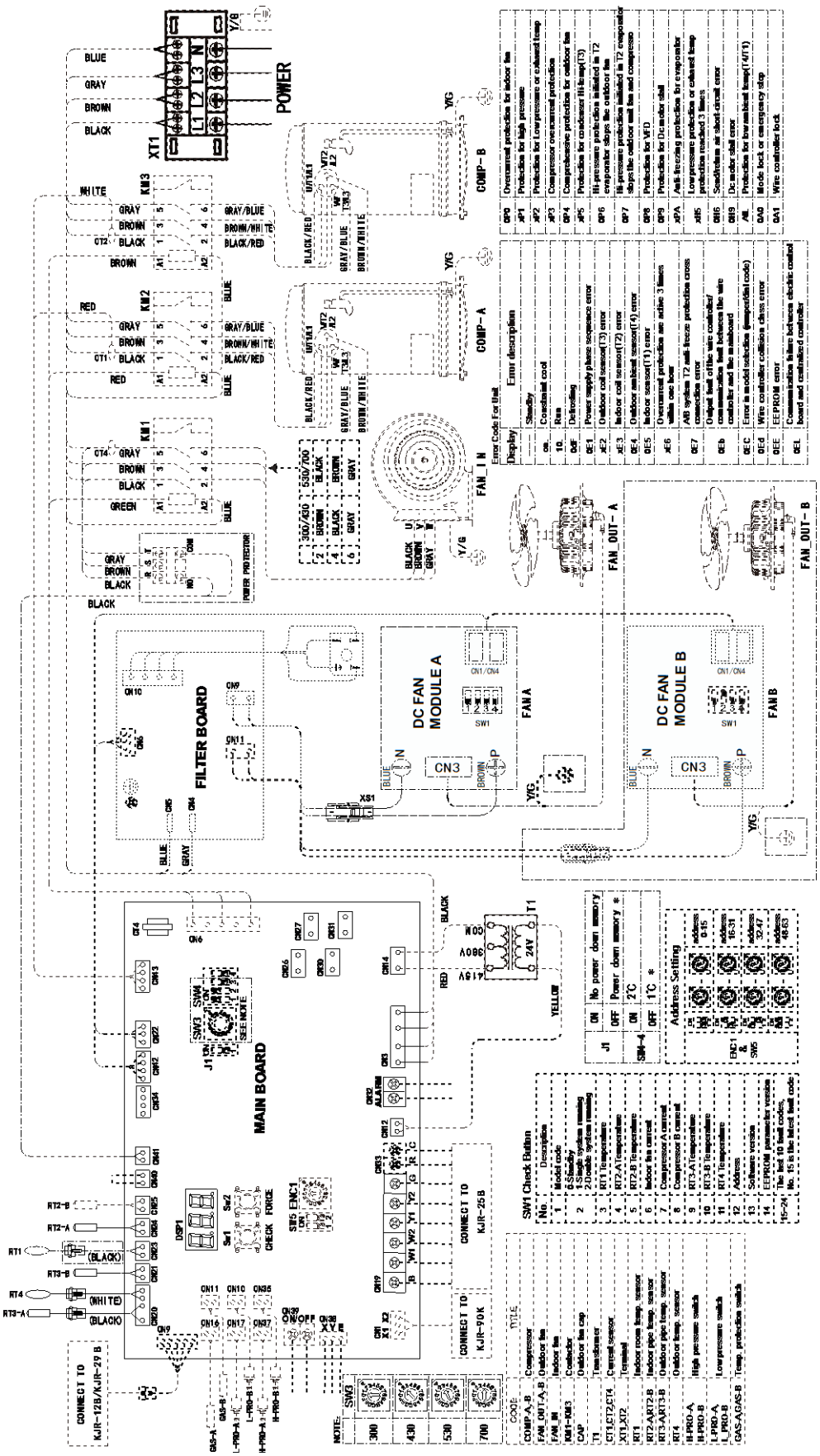
SRTC-050CWN1-R(G):



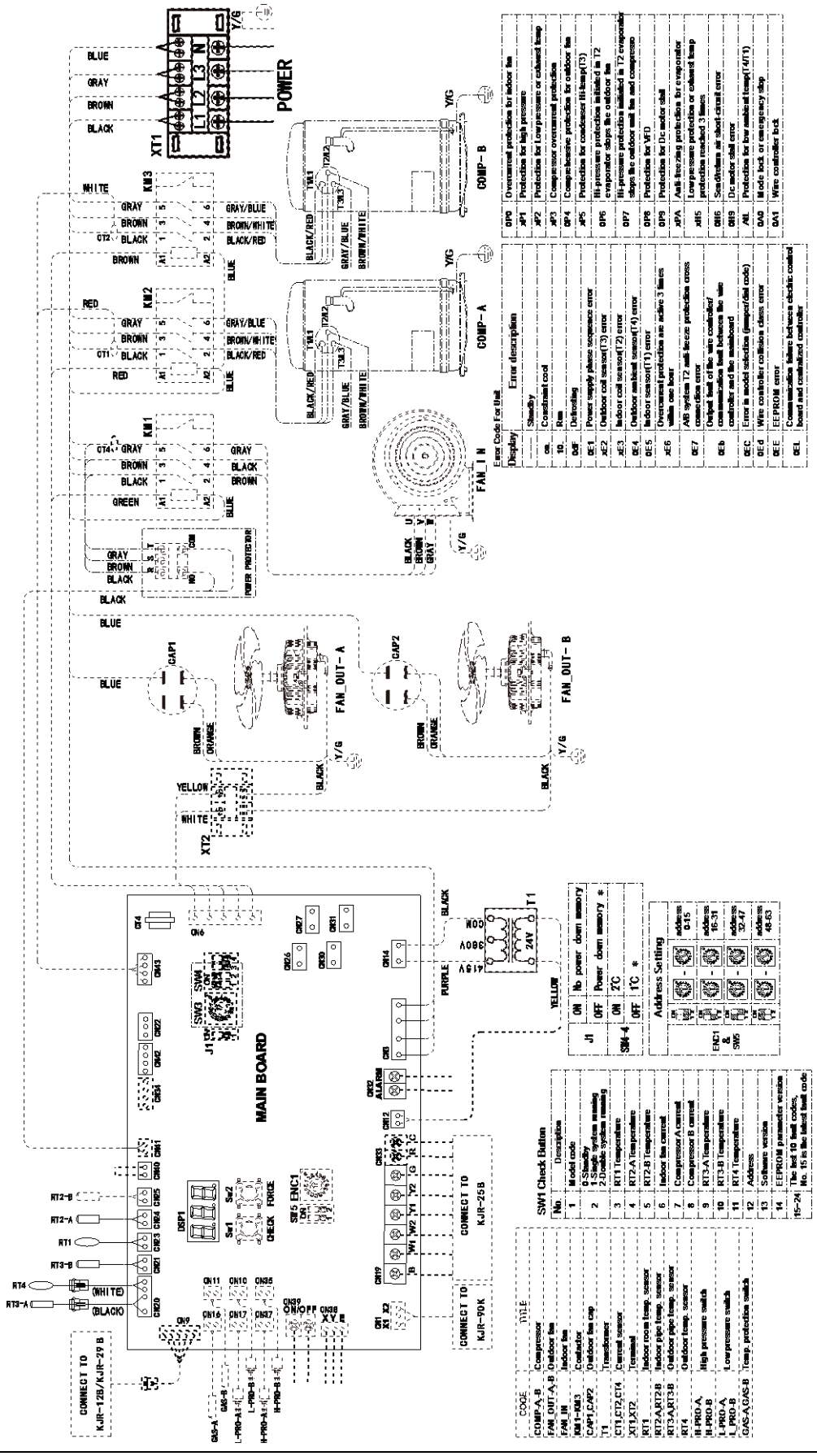
SRTC-075CWN1-R(G):



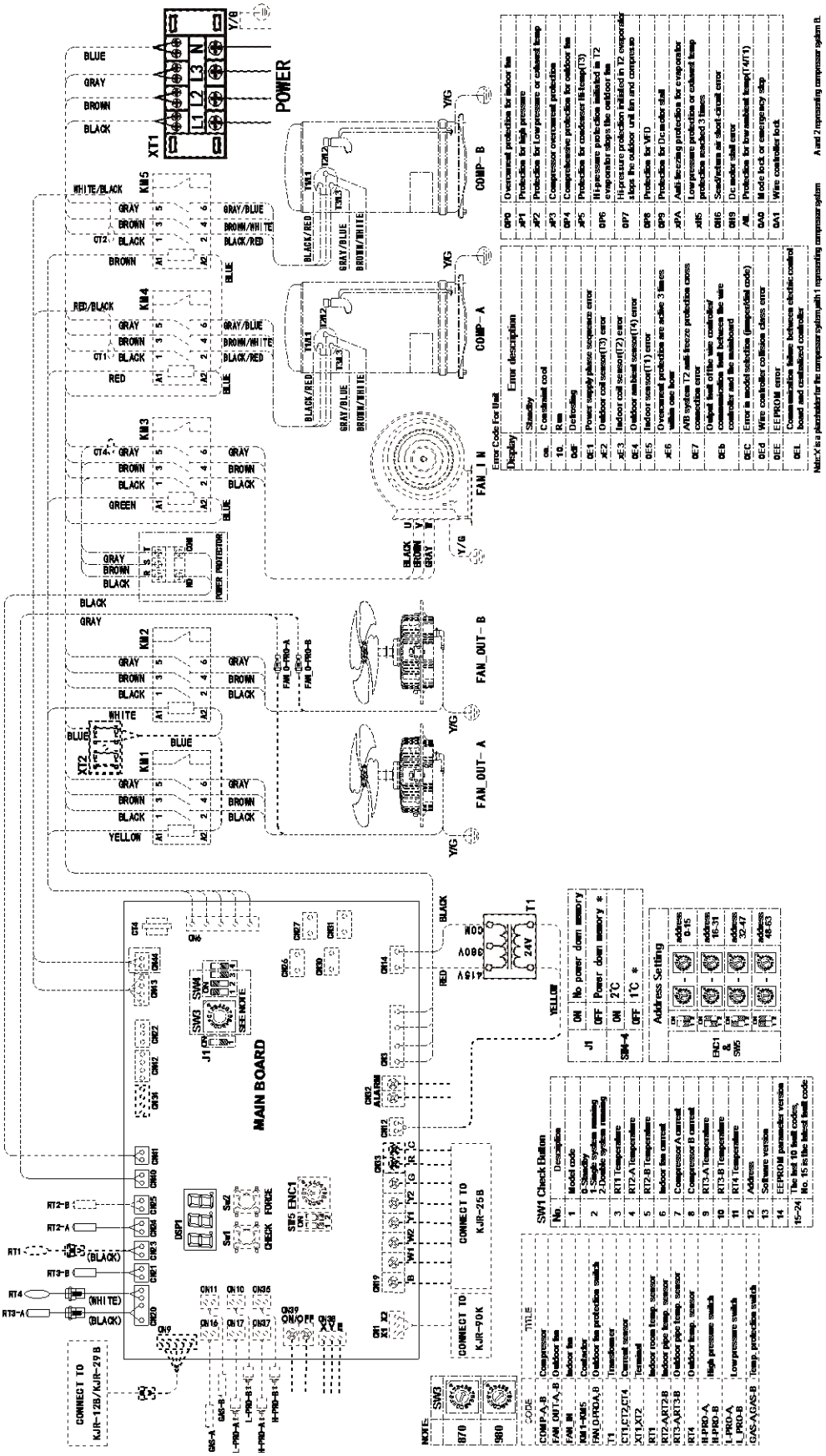
SRTC-085CWN1-R(G), SRTC-125CWN1-R(G), SRTC-150CWN1-R(G), SRTC-200CWN1-R(G):



SRTC-100CWN1-R(G):



SRTC-250CWN1-R(G), SRTC-300CWN1-R(G):



5. Performance Data

SRTC-050CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			1600				2000				2400			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	52.6	56.5	58.8	61.2	59.7	63.9	66.2	69.2	70.1	74.5	76.6	79.5
		SC	41.8	43.3	44.8	46.2	47.0	48.4	49.8	51.2	55.1	56.5	57.7	58.8
		PI	4257.3	4300.3	4343.7	4387.6	4477.2	4522.4	4568.1	4614.2	4708.4	4755.9	4804.0	4852.5
	67	TC	54.6	56.6	63.4	66.6	61.1	63.0	68.4	71.9	71.4	73.1	78.8	82.1
		SC	40.1	46.1	48.5	50.0	44.9	50.4	53.7	55.1	52.5	58.5	61.8	63.0
		PI	4344.2	4388.1	4432.4	4477.2	4568.5	4614.7	4661.3	4708.4	4804.5	4853.0	4902.0	4951.5
	73	TC	59.3	61.5	63.6	65.6	66.2	68.2	70.2	72.1	76.9	78.8	80.5	82.0
		SC	39.7	40.2	45.2	50.0	41.1	45.2	51.0	56.9	44.9	52.2	58.4	64.7
		PI	4366.0	4410.1	4454.7	4499.7	4591.5	4637.9	4684.7	4732.0	4828.6	4877.4	4926.7	4976.4
95	61	TC	53.9	59.8	62.5	65.6	61.8	68.2	71.1	75.4	72.5	79.6	82.3	86.6
		SC	38.4	39.9	41.2	42.5	43.2	44.5	45.8	47.1	50.7	51.9	53.0	54.1
		PI	4595.8	4642.2	4689.1	4736.5	4833.2	4882.0	4931.3	4981.1	5082.8	5134.1	5186.0	5238.3
	67	TC	52.5	54.1	67.4	71.9	56.3	58.0	71.0	76.0	65.7	73.7	81.7	86.9
		SC	35.1	43.1	44.6	46.0	38.8	48.0	49.4	50.7	45.3	55.7	56.9	58.0
		PI	4702.5	4750.0	4797.9	4846.4	4923.2	5000.0	5041.4	5082.8	5186.5	5238.9	5291.8	5345.2
	73	TC	54.5	56.6	58.5	60.3	60.9	62.8	64.6	66.3	70.7	72.5	74.0	75.4
		SC	36.0	37.4	38.7	45.2	37.3	38.4	43.3	53.4	38.1	40.2	49.7	60.7
		PI	4809.1	4857.7	4906.8	4956.3	5057.5	5108.6	5160.2	5186.1	5291.9	5318.5	5345.2	5372.1

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field

SRTC-050CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			1600				2000				2400			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	47.9	52.1	53.9	56.0	53.1	57.7	60.8	63.5	62.8	67.8	70.9	73.7
		SC	39.8	41.2	42.5	43.9	45.3	46.7	48.0	49.3	53.5	54.8	56.1	57.3
		PI	5067.9	5119.1	5170.8	5223.1	5329.6	5383.5	5437.9	5492.8	5604.9	5661.5	5718.7	5776.5
	67	TC	44.6	46.0	56.0	60.5	49.5	51.0	62.3	66.4	58.1	62.5	72.3	76.7
		SC	32.9	42.4	45.7	47.1	38.5	50.0	51.5	52.8	45.2	58.4	59.7	61.0
		PI	5171.4	5223.6	5276.4	5329.6	5438.4	5493.3	5548.8	5604.9	5719.3	5777.0	5835.4	5894.3
	73	TC	46.8	48.5	50.1	51.7	53.0	54.6	56.2	59.0	61.9	63.5	64.9	67.9
		SC	26.4	31.2	36.8	45.5	29.8	36.8	45.7	55.8	32.0	40.6	52.8	64.1
		PI	5197.3	5249.8	5302.9	5356.4	5465.7	5521.0	5576.7	5633.1	5748.0	5806.1	5864.7	5924.0
115	61	TC	48.4	51.6	52.8	54.3	52.0	55.5	59.0	60.8	61.8	65.6	69.4	71.4
		SC	39.5	40.9	42.2	43.5	45.6	47.0	48.4	49.7	54.2	55.6	56.9	58.3
		PI	5588.5	5645.0	5702.0	5759.6	5877.1	5936.5	5996.5	6057.0	6180.7	6243.1	6306.1	6369.8
	67	TC	43.0	44.5	52.7	57.9	49.5	50.2	51.0	65.9	58.5	60.1	72.8	77.0
		SC	29.2	40.0	45.0	46.4	36.5	43.2	50.0	52.8	43.1	58.8	60.2	61.7
		PI	5659.9	5717.1	5774.8	5833.1	5952.2	6048.1	6144.0	6243.7	6306.8	6370.5	6434.8	6499.8
	73	TC	45.7	47.3	48.8	50.3	52.4	54.0	55.6	59.8	61.7	63.2	64.7	69.4
		SC	15.3	23.5	33.2	43.8	20.7	33.5	46.2	56.0	24.4	39.3	53.8	65.0
		PI	5731.2	5789.1	5847.6	5906.7	6027.2	6088.1	6149.6	6211.7	6338.5	6402.5	6467.2	6532.5

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-050CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			1600				2000				2400			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	44.0	46.8	47.9	49.4	47.1	50.3	53.6	55.2	56.0	59.5	63.1	64.8
		SC	34.3	35.5	36.6	37.7	39.6	40.8	42.0	43.1	47.1	48.3	49.4	50.6
		PI	5908.5	5968.2	6028.5	6089.4	6213.6	6276.4	6339.8	6403.8	6534.5	6600.5	6667.2	6734.5
	67	TC	39.1	40.4	47.9	52.5	44.9	48.0	56.5	59.9	53.1	54.5	66.1	69.9
		SC	25.3	34.6	39.1	40.3	31.6	45.0	45.6	45.9	37.4	51.1	52.3	53.6
		PI	5983.9	6044.4	6105.4	6167.1	6326.6	6486.0	6510.3	6534.5	6667.9	6735.2	6803.3	6872.0
	73	TC	41.3	42.8	44.1	45.5	47.3	48.8	50.2	54.0	55.7	57.1	58.5	62.7
		SC	13.1	20.2	28.6	37.8	17.7	28.9	39.9	48.4	20.9	33.8	46.4	56.2
		PI	6059.4	6120.6	6182.4	6244.9	6372.3	6436.7	6501.7	6567.4	6701.4	6769.1	6837.5	6906.5
125	61	TC	39.8	42.4	43.4	44.8	42.6	45.5	48.5	50.0	50.6	53.8	57.1	58.6
		SC	31.0	32.1	33.1	34.2	35.8	36.9	38.0	39.0	42.6	43.7	44.7	45.8
		PI	6311.9	6375.6	6440.0	6505.1	6637.8	6704.9	6772.6	6841.0	6980.6	7051.1	7122.3	7194.3
	67	TC	35.6	36.8	43.6	47.8	40.9	42.2	51.4	54.5	48.3	49.6	60.1	63.6
		SC	23.0	31.4	35.6	36.7	28.6	39.5	40.7	41.8	33.9	46.5	47.6	48.8
		PI	6343.6	6407.6	6472.4	6537.7	6671.2	6738.6	6806.6	6875.4	7015.7	7086.6	7158.1	7230.4
	73	TC	37.8	39.1	40.4	41.6	43.3	44.7	46.0	49.4	51.0	52.3	53.5	57.4
		SC	11.8	18.4	26.0	34.5	16.1	26.3	36.4	44.2	18.9	30.8	42.4	51.4
		PI	6473.0	6538.4	6604.5	6671.2	6807.3	6876.1	6945.5	7015.7	7158.9	7231.2	7304.2	7378.0

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field

SRTC-075CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			2240				2800				3360			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	76.2	81.8	85.1	88.7	86.5	92.5	95.9	100.2	101.5	107.9	111.0	115.1
		SC	60.0	62.3	64.4	66.4	67.5	69.6	71.6	73.6	79.3	81.2	82.9	84.5
		PI	6252.8	6315.9	6379.7	6444.2	6575.7	6642.1	6709.2	6776.9	6915.3	6985.1	7055.7	7126.9
	67	TC	79.1	82.0	91.9	96.5	88.6	91.3	99.1	104.1	103.4	105.9	114.1	118.9
		SC	57.7	66.3	69.6	71.8	64.6	72.4	77.2	79.3	75.4	84.0	88.8	90.6
		PI	6380.4	6444.8	6509.9	6575.7	6709.9	6777.6	6846.1	6915.3	7056.4	7127.7	7199.7	7272.4
	73	TC	85.9	89.1	92.1	95.0	95.9	98.8	101.7	104.5	111.4	114.1	116.5	118.8
		SC	57.1	57.8	64.9	71.9	59.0	65.0	73.3	81.8	64.6	75.0	84.0	93.0
		PI	6412.4	6477.2	6542.6	6608.7	6743.6	6811.7	6880.5	6950.0	7091.8	7163.5	7235.8	7308.9
95	61	TC	78.1	86.6	90.5	95.0	89.4	98.8	103.0	109.1	105.0	115.2	119.2	125.4
		SC	55.2	57.3	59.2	61.1	62.1	64.0	65.9	67.6	72.9	74.7	76.2	77.7
		PI	6749.9	6818.1	6887.0	6956.5	7098.5	7170.2	7242.6	7315.8	7465.1	7540.5	7616.7	7693.6
	67	TC	76.1	78.4	97.6	104.1	81.5	84.0	102.8	110.1	95.1	106.7	118.3	125.8
		SC	50.5	62.0	64.1	66.1	55.8	69.0	71.0	72.9	65.2	80.0	81.7	83.3
		PI	6906.6	6976.3	7046.8	7118.0	7275.5	7433.0	7449.0	7465.1	7617.4	7694.4	7772.1	7850.6
	73	TC	79.0	82.0	84.7	87.4	88.2	90.9	93.5	96.0	102.4	104.9	107.2	109.2
		SC	51.7	53.8	55.6	65.0	53.6	55.2	62.3	76.7	54.7	57.8	71.4	87.3
		PI	7063.2	7134.5	7206.6	7279.4	7428.0	7503.0	7578.8	7616.9	7772.3	7811.4	7850.6	7890.1

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field

SRTC-075CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			2240				2800				3360			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	68.6	74.5	77.1	80.2	76.1	82.6	87.0	90.9	89.9	97.0	101.5	105.6
		SC	57.2	59.3	61.3	63.1	65.2	67.2	69.2	71.0	77.0	79.0	80.7	82.5
		PI	7364.1	7438.5	7513.7	7589.6	7744.4	7822.7	7901.7	7981.5	8144.4	8226.7	8309.8	8393.7
	67	TC	63.9	65.9	80.1	86.6	70.8	73.0	89.2	95.0	83.2	89.4	103.5	109.8
		SC	47.4	61.1	65.9	67.9	55.4	72.0	74.1	76.1	65.1	84.1	86.0	87.9
		PI	7514.4	7590.3	7667.0	7744.4	7902.5	7982.3	8062.9	8144.4	8310.6	8394.5	8479.3	8565.0
	73	TC	67.1	69.5	71.8	74.0	75.8	78.2	80.4	84.5	88.6	90.8	92.9	97.2
		SC	38.0	45.0	52.9	65.5	42.9	52.9	65.8	80.3	46.1	58.4	76.0	92.4
		PI	7552.2	7628.5	7705.5	7783.4	7942.2	8022.4	8103.5	8185.3	8352.4	8436.7	8521.9	8608.0
115	61	TC	69.3	73.8	75.6	77.8	74.4	79.4	84.5	87.0	88.5	93.9	99.4	102.1
		SC	56.9	58.8	60.7	62.6	65.6	67.7	69.6	71.5	78.0	80.0	81.9	83.9
		PI	8120.6	8202.7	8285.5	8369.2	8540.0	8626.3	8713.4	8801.4	8981.0	9071.7	9163.4	9255.9
	67	TC	61.6	63.7	75.4	82.8	70.8	71.9	73.0	94.4	83.7	86.1	104.2	110.2
		SC	42.1	57.5	64.8	66.8	52.5	62.3	72.0	76.1	62.1	84.7	86.7	88.8
		PI	8224.3	8307.4	8391.3	8476.1	8649.0	8724.5	8800.0	9072.7	9164.3	9256.9	9350.4	9444.8
	73	TC	65.5	67.7	69.9	72.0	75.0	77.3	79.6	85.5	88.3	90.5	92.6	99.4
		SC	22.1	33.8	47.8	63.1	29.8	48.3	66.6	80.6	35.1	56.5	77.5	93.6
		PI	8328.0	8412.1	8497.1	8582.9	8758.1	8846.5	8935.9	9026.2	9210.4	9303.4	9397.4	9492.3

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field

SRTC-075CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			2240				2800				3360			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	59.5	63.4	64.9	66.9	63.8	68.2	72.6	74.8	75.9	80.6	85.4	87.8
		SC	45.7	47.3	48.8	50.3	52.8	54.4	56.0	57.5	62.8	64.4	65.9	67.5
		PI	8585.6	8672.3	8759.9	8848.4	9028.9	9120.1	9212.3	9305.3	9495.2	9591.1	9688.0	9785.9
	67	TC	52.9	54.8	64.8	71.2	60.8	65.0	76.5	81.1	71.9	73.8	89.5	94.7
		SC	33.7	46.2	52.1	53.7	42.1	60.0	60.8	61.2	49.8	68.1	69.7	71.4
		PI	8695.2	8783.0	8871.7	8961.3	8994.2	9027.0	9261.1	9495.2	9689.0	9786.9	9885.7	9985.6
	73	TC	56.0	57.9	59.7	61.6	64.1	66.1	68.0	73.1	75.5	77.4	79.2	85.0
		SC	17.5	26.9	38.1	50.4	23.7	38.5	53.2	64.5	27.8	45.0	61.9	74.9
		PI	8804.8	8893.7	8983.6	9074.3	9259.5	9353.0	9447.5	9542.9	9737.7	9836.1	9935.4	10035.8
125	61	TC	53.8	57.4	58.7	60.7	57.7	61.6	65.7	67.6	68.6	72.9	77.3	79.4
		SC	41.4	42.8	44.2	45.5	47.8	49.2	50.7	52.0	56.8	58.2	59.6	61.1
		PI	9570.4	9667.1	9764.8	9863.4	10064.7	10166.3	10269.0	10372.8	10584.5	10691.4	10799.4	10908.4
	67	TC	48.2	49.8	59.0	64.7	55.4	57.1	69.6	73.8	65.5	67.1	81.5	86.1
		SC	30.6	41.9	47.5	48.9	38.2	52.7	54.2	55.7	45.2	62.0	63.4	65.0
		PI	9618.5	9715.7	9813.8	9913.0	10115.3	10217.4	10320.6	10424.9	10637.6	10745.1	10853.6	10963.3
	73	TC	51.2	53.0	54.7	56.3	58.7	60.5	62.2	66.9	69.0	70.8	72.4	77.8
		SC	15.8	24.5	34.7	46.0	21.4	35.0	48.6	59.0	25.2	41.0	56.6	68.5
		PI	9814.8	9914.0	10014.1	10115.3	10321.7	10426.0	10531.3	10637.6	10854.7	10964.4	11075.1	11187.0

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-085CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			2880				3600				4320			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	93.4	100.4	104.4	108.7	106.0	113.4	117.5	122.8	124.5	132.3	136.1	141.1
		SC	71.4	74.0	76.5	78.9	80.2	82.7	85.1	87.4	94.2	96.5	98.5	100.5
		PI	7811.2	7890.1	7969.8	8050.3	8214.6	8297.6	8381.4	8466.1	8638.8	8726.1	8814.2	8903.3
	67	TC	96.9	100.6	112.7	118.3	108.6	112.0	121.5	127.6	126.8	129.9	139.9	145.8
		SC	68.5	78.8	82.8	85.3	76.8	86.1	91.7	94.2	89.6	99.9	105.6	107.6
		PI	7970.6	8051.1	8132.5	8214.6	8382.3	8466.9	8552.5	8638.8	8815.1	8904.2	8994.1	9085.0
	73	TC	105.3	109.3	113.0	116.5	117.6	121.2	124.7	128.1	136.6	139.9	142.9	145.7
		SC	67.8	68.7	77.1	85.5	70.1	77.2	87.1	97.2	76.7	89.1	99.8	110.5
		PI	8010.7	8091.6	8173.3	8255.9	8424.4	8509.5	8595.4	8682.3	8859.4	8948.9	9039.3	9130.6
95	61	TC	95.8	106.1	111.0	116.5	109.7	121.1	126.3	133.8	128.8	141.3	146.2	153.8
		SC	65.6	68.1	70.4	72.6	73.8	76.1	78.3	80.4	86.6	88.7	90.6	92.4
		PI	8432.3	8517.5	8603.5	8690.4	8867.8	8957.3	9047.8	9139.2	9325.7	9419.9	9515.1	9611.2
	67	TC	93.3	96.1	119.7	127.7	99.9	103.0	126.0	135.0	116.6	130.9	145.1	154.3
		SC	60.0	73.7	76.1	78.5	66.3	82.0	84.4	86.7	77.4	95.1	97.1	99.0
		PI	8628.0	8715.1	8803.2	8892.1	9085.5	9279.0	9302.4	9325.7	9516.1	9612.2	9709.3	9807.3
	73	TC	96.9	100.5	103.9	107.1	108.1	111.4	114.7	117.8	125.6	128.7	131.4	134.0
		SC	61.5	64.0	66.1	77.3	63.7	65.6	74.0	91.2	65.0	68.7	84.8	103.7
		PI	8823.7	8912.8	9002.8	9093.8	9279.3	9373.1	9467.7	9515.3	9709.5	9758.3	9807.3	9856.6

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-085CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			2880				3600				4320			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	84.6	91.9	95.1	98.9	93.8	101.9	107.3	112.1	110.8	119.6	125.1	130.1
		SC	70.0	72.5	74.9	77.2	79.7	82.2	84.5	86.8	94.2	96.5	98.7	100.9
		PI	9199.6	9292.5	9386.4	9481.2	9674.7	9772.4	9871.1	9970.8	10174.3	10277.1	10380.9	10485.8
	67	TC	78.7	81.3	98.8	106.8	87.3	90.0	110.0	117.2	102.6	110.2	127.6	135.3
		SC	57.9	74.7	80.5	83.0	67.7	88.0	90.6	93.0	79.5	102.8	105.1	107.4
		PI	9387.4	9482.2	9578.0	9674.7	9872.1	9971.9	10072.6	10174.3	10382.0	10486.8	10592.8	10699.8
	73	TC	82.7	85.7	88.5	91.2	93.5	96.4	99.1	104.2	109.3	112.0	114.5	119.8
		SC	46.5	55.0	64.7	80.0	52.4	64.7	80.4	98.2	56.3	71.4	92.9	112.9
		PI	9434.5	9529.8	9626.1	9723.3	9921.8	10022.0	10123.2	10225.5	10434.1	10539.5	10646.0	10753.5
115	61	TC	85.5	91.0	93.2	95.9	91.7	97.9	104.2	107.3	109.1	115.8	122.5	125.9
		SC	69.5	71.9	74.2	76.5	80.2	82.7	85.1	87.4	95.4	97.8	100.1	102.6
		PI	10036.7	10138.1	10240.5	10344.0	10555.1	10661.7	10769.4	10878.2	11100.2	11212.3	11325.5	11439.9
	67	TC	75.9	78.6	93.0	102.1	87.3	88.6	90.0	116.3	103.2	106.1	128.5	135.8
		SC	51.4	70.3	79.3	81.7	64.2	76.1	88.0	93.0	75.9	103.5	105.9	108.6
		PI	10164.9	10267.6	10371.3	10476.0	10689.8	10766.4	10843.0	11213.4	11326.7	11441.1	11556.7	11673.4
	73	TC	80.7	83.5	86.2	88.8	92.5	95.3	98.1	105.5	108.8	111.6	114.2	122.6
		SC	27.0	41.3	58.5	77.1	36.4	59.0	81.4	98.5	42.9	69.1	94.7	114.5
		PI	10293.0	10397.0	10502.0	10608.1	10824.6	10933.9	11044.4	11155.9	11383.6	11498.6	11614.7	11732.1

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-085CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			2880				3600				4320			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	76.0	81.0	82.9	85.5	81.5	87.0	92.7	95.5	96.9	102.9	109.0	112.1
		SC	61.0	63.1	65.1	67.1	70.4	72.6	74.7	76.7	83.7	85.8	87.8	90.0
		PI	10611.4	10718.6	10826.8	10936.2	11159.4	11272.1	11386.0	11501.0	11735.7	11854.2	11974.0	12094.9
	67	TC	67.6	69.9	82.8	90.9	77.7	83.0	97.7	103.5	91.9	94.3	114.3	120.9
		SC	45.0	61.6	69.5	71.7	56.1	80.0	81.0	81.6	66.4	90.8	92.9	95.2
		PI	10746.9	10855.4	10965.1	11075.8	11301.4	11527.0	11631.3	11735.7	11975.2	12096.1	12218.3	12341.7
	73	TC	71.5	73.9	76.3	78.6	81.9	84.4	86.8	93.4	96.4	98.8	101.1	108.5
		SC	23.3	35.9	50.8	67.2	31.5	51.3	70.9	86.0	37.1	60.1	82.6	99.9
		PI	10882.3	10992.3	11103.3	11215.4	11444.3	11559.9	11676.7	11794.6	12035.4	12156.9	12279.7	12403.8
125	61	TC	68.8	73.3	75.0	77.5	73.6	78.7	83.9	86.4	87.6	93.1	98.7	101.4
		SC	55.2	57.1	58.9	60.7	63.7	65.7	67.6	69.4	75.7	77.7	79.5	81.5
		PI	11455.1	11570.8	11687.7	11805.7	12046.7	12168.4	12291.3	12415.4	12668.8	12796.8	12926.0	13056.6
	67	TC	61.5	63.6	75.3	82.7	70.7	72.9	88.9	94.2	83.6	85.7	104.0	110.0
		SC	40.8	55.9	63.3	65.2	50.9	70.2	72.3	74.2	60.2	82.6	84.5	86.7
		PI	11512.7	11628.9	11746.4	11865.1	12107.2	12229.5	12353.0	12477.8	12732.5	12861.1	12991.0	13122.2
	73	TC	65.4	67.7	69.8	71.9	74.9	77.2	79.5	85.4	88.2	90.4	92.5	99.3
		SC	21.1	32.7	46.3	61.4	28.6	46.7	64.8	78.7	33.7	54.7	75.4	91.4
		PI	11747.6	11866.3	11986.1	12107.2	12354.3	12479.1	12605.1	12732.5	12992.3	13123.5	13256.1	13390.0

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-100CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			3360				4200				5040			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	102.5	110.1	114.5	119.3	116.3	124.4	129.0	134.7	136.5	145.1	149.3	154.8
		SC	85.3	88.5	91.5	94.3	95.9	98.9	101.7	104.5	112.6	115.3	117.8	120.1
		PI	8664.1	8751.6	8840.0	8929.3	9111.5	9203.6	9296.5	9390.4	9582.1	9678.9	9776.6	9875.4
	67	TC	106.4	110.3	123.6	129.8	119.1	122.8	133.3	140.0	139.1	142.5	153.5	160.0
		SC	81.9	94.2	98.9	102.0	91.8	102.9	109.6	112.6	107.1	119.3	126.2	128.6
		PI	8840.9	8930.2	9020.4	9111.5	9297.5	9391.4	9486.3	9582.1	9777.6	9876.4	9976.2	10076.9
	73	TC	115.6	119.9	123.9	127.8	129.0	133.0	136.8	140.5	149.9	153.5	156.8	159.8
		SC	81.0	82.2	92.2	102.2	83.8	92.3	104.1	116.1	91.7	106.5	119.3	132.1
		PI	8885.3	8975.1	9065.8	9157.3	9344.2	9438.6	9533.9	9630.2	9826.8	9926.0	10026.3	10127.6
95	61	TC	105.1	116.4	121.8	127.9	120.3	132.9	138.6	146.8	141.3	155.0	160.4	168.7
		SC	78.4	81.4	84.1	86.7	88.2	90.9	93.5	96.1	103.5	106.0	108.3	110.4
		PI	9353.0	9447.5	9542.9	9639.3	9836.0	9935.4	10035.7	10137.1	10344.0	10448.5	10554.0	10660.6
	67	TC	102.4	105.4	131.3	140.0	109.6	113.0	138.3	148.1	127.9	143.6	159.2	169.3
		SC	71.7	88.0	91.0	93.8	79.3	98.0	100.8	103.6	92.6	113.7	116.1	118.3
		PI	9570.0	9666.7	9764.3	9863.0	10021.5	10180.0	10262.0	10344.0	10555.1	10661.7	10769.4	10878.2
	73	TC	106.3	110.2	114.0	117.5	118.6	122.3	125.8	129.2	137.8	141.2	144.2	147.0
		SC	73.4	76.4	79.0	92.4	76.2	78.4	88.5	109.0	77.7	82.1	101.4	124.0
		PI	9787.1	9885.9	9985.8	10086.7	10292.5	10396.5	10501.5	10554.3	10769.7	10823.8	10878.2	10932.8

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-100CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			3360				4200				5040			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	93.0	101.1	104.6	108.7	103.1	112.0	118.0	123.3	121.9	131.6	137.7	143.2
		SC	77.9	80.7	83.4	86.0	88.8	91.5	94.2	96.7	104.9	107.5	109.9	112.3
		PI	10204.1	10307.1	10411.3	10516.4	10731.0	10839.4	10948.9	11059.5	11285.2	11399.2	11514.4	11630.7
	67	TC	86.6	89.4	108.7	117.5	96.0	99.0	121.0	128.9	112.8	121.3	140.4	148.8
		SC	64.5	83.2	89.6	92.4	75.4	98.0	100.8	103.6	88.6	114.5	117.0	119.6
		PI	10412.3	10517.5	10623.7	10731.0	10950.0	11060.7	11172.4	11285.2	11515.5	11631.9	11749.4	11868.0
	73	TC	90.9	94.2	97.3	100.3	102.8	106.0	109.1	114.6	120.2	123.2	126.0	131.8
		SC	51.8	61.2	72.0	89.1	58.4	72.1	89.6	109.3	62.7	79.5	103.4	125.7
		PI	10464.6	10570.3	10677.1	10785.0	11005.1	11116.2	11228.5	11341.9	11573.4	11690.3	11808.4	11927.7
115	61	TC	94.0	100.1	102.5	105.5	100.9	107.7	114.6	118.0	120.0	127.3	134.8	138.5
		SC	77.4	80.1	82.6	85.2	89.3	92.1	94.8	97.3	106.2	108.9	111.5	114.3
		PI	11132.6	11245.1	11358.6	11473.4	11707.5	11825.8	11945.2	12065.9	12312.1	12436.5	12562.1	12689.0
	67	TC	83.5	86.4	102.3	112.3	96.0	97.5	99.6	128.0	113.6	116.7	141.3	149.4
		SC	57.3	78.3	88.3	91.0	71.5	84.8	98.0	103.6	84.6	115.3	117.9	120.9
		PI	11274.7	11388.6	11503.7	11619.9	11857.0	11892.0	11990.0	12437.8	12563.4	12690.3	12818.5	12948.0
	73	TC	88.8	91.9	94.8	97.7	101.7	104.9	107.9	116.0	119.7	122.7	125.6	134.8
		SC	30.1	46.0	65.1	85.9	40.6	65.7	90.6	109.7	47.8	77.0	105.5	127.5
		PI	11416.9	11532.2	11648.7	11766.4	12006.5	12127.8	12250.3	12374.0	12626.5	12754.1	12882.9	13013.0

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-100CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			3360				4200				5040			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	84.3	89.8	91.9	94.7	90.3	96.5	102.8	105.8	107.4	114.1	120.9	124.2
		SC	66.3	68.6	70.8	73.0	76.5	78.9	81.2	83.4	91.0	93.3	95.5	97.9
		PI	12017.8	12139.2	12261.8	12385.6	12638.4	12766.1	12895.0	13025.3	13291.1	13425.3	13561.0	13697.9
	67	TC	74.9	77.5	91.8	100.7	86.1	92.0	108.3	114.8	101.8	104.5	126.7	134.0
		SC	48.9	66.9	75.6	77.9	61.1	87.0	88.1	88.7	72.2	98.7	101.0	103.6
		PI	12171.2	12294.2	12418.3	12543.8	12660.4	12777.0	13034.0	13291.1	13562.3	13699.3	13837.7	13977.5
	73	TC	79.2	82.0	84.6	87.1	90.7	93.5	96.3	103.5	106.8	109.5	112.1	120.3
		SC	25.3	39.0	55.3	73.1	34.3	55.8	77.1	93.5	40.4	65.3	89.8	108.6
		PI	12324.7	12449.1	12574.9	12701.9	12961.1	13092.1	13224.3	13357.9	13630.5	13768.2	13907.2	14047.7
125	61	TC	76.2	81.2	83.1	85.9	81.6	87.2	93.0	95.7	97.1	103.2	109.4	112.4
		SC	60.0	62.1	64.1	66.0	69.3	71.4	73.5	75.5	82.4	84.4	86.4	88.6
		PI	13111.3	13243.8	13377.5	13512.7	13788.4	13927.7	14068.4	14210.5	14500.5	14647.0	14794.9	14944.4
	67	TC	68.2	70.5	83.5	91.6	78.4	80.8	98.6	104.4	92.7	95.0	115.3	121.9
		SC	44.4	60.8	68.8	70.9	55.4	76.4	78.6	80.7	65.5	89.8	91.9	94.3
		PI	13177.2	13310.3	13444.8	13580.6	13857.7	13997.7	14139.1	14281.9	14573.4	14720.6	14869.3	15019.5
	73	TC	72.5	75.0	77.4	79.7	83.0	85.6	88.1	94.7	97.7	100.2	102.5	110.0
		SC	22.9	35.5	50.3	66.8	31.1	50.8	70.5	85.5	36.6	59.5	82.0	99.4
		PI	13446.1	13582.0	13719.2	13857.7	14140.5	14283.4	14427.7	14573.4	14870.8	15021.0	15172.7	15326.0

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-125CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			3600				4500				5400			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	123.3	132.5	137.8	143.5	140.0	149.8	155.2	162.2	164.3	174.7	179.7	186.3
		SC	95.7	99.3	102.7	105.9	107.6	111.0	114.2	117.3	126.4	129.4	132.2	134.8
		PI	10290.9	10394.8	10499.8	10605.9	10822.3	10931.6	11042.0	11153.6	11381.2	11496.2	11612.3	11729.6
	67	TC	128.0	132.8	148.8	156.3	143.4	147.8	160.4	168.5	167.4	171.5	184.7	192.6
		SC	91.9	105.7	111.0	114.5	103.0	115.5	123.0	126.4	120.2	134.0	141.6	144.4
		PI	10500.9	10606.9	10714.1	10822.3	11043.2	11154.7	11267.4	11381.2	11613.5	11730.8	11849.3	11969.0
	73	TC	139.1	144.3	149.2	153.8	155.2	160.0	164.7	169.1	180.4	184.8	188.7	192.4
		SC	91.0	92.2	103.5	114.7	94.1	103.6	116.8	130.4	102.9	119.6	133.9	148.3
		PI	10553.6	10660.2	10767.9	10876.7	11098.7	11210.8	11324.0	11438.4	11671.8	11789.7	11908.8	12029.1
95	61	TC	126.4	140.2	146.6	153.9	144.8	159.9	166.8	176.7	170.0	186.6	193.0	203.0
		SC	88.0	91.3	94.4	97.3	99.0	102.0	105.0	107.8	116.2	119.0	121.6	123.9
		PI	11109.1	11221.3	11334.7	11449.1	11682.8	11800.8	11920.0	12040.4	12286.1	12410.2	12535.6	12662.2
	67	TC	123.2	126.9	158.0	168.5	131.9	136.0	166.4	178.3	154.0	172.8	191.6	203.7
		SC	80.5	98.8	102.2	105.3	89.0	110.0	113.2	116.2	103.9	127.6	130.3	132.8
		PI	11366.9	11481.7	11597.7	11714.8	11983.4	12252.0	12269.1	12286.1	12536.9	12663.5	12791.4	12920.6
	73	TC	127.9	132.7	137.2	141.4	142.7	147.2	151.4	155.5	165.8	169.9	173.5	176.9
		SC	82.4	85.8	88.6	103.7	85.5	88.0	99.3	122.3	87.2	92.2	113.8	139.1
		PI	11624.7	11742.1	11860.7	11980.5	12225.0	12348.5	12473.2	12535.9	12791.7	12856.0	12920.6	12985.6

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-125CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			3600				4500				5400			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	112.8	122.5	126.8	131.8	125.0	135.8	143.0	149.5	147.7	159.5	166.9	173.5
		SC	94.6	98.0	101.2	104.4	107.8	111.1	114.3	117.4	127.3	130.5	133.4	136.4
		PI	11867.5	11987.3	12108.4	12230.7	12480.3	12606.4	12733.7	12862.4	13124.9	13257.4	13391.4	13526.6
	67	TC	105.0	108.4	131.7	142.4	116.4	120.0	146.6	156.2	136.8	147.0	170.2	180.4
		SC	78.3	101.0	108.8	112.2	91.6	119.0	122.5	125.8	107.5	139.0	142.1	145.3
		PI	12109.7	12232.0	12355.5	12480.3	12735.0	12863.7	12993.6	13124.9	13392.7	13528.0	13664.7	13802.7
	73	TC	110.2	114.2	118.0	121.6	124.6	128.5	132.2	138.9	145.7	149.3	152.7	159.7
		SC	62.9	74.4	87.5	108.2	70.9	87.5	108.7	132.8	76.2	96.6	125.6	152.7
		PI	12170.5	12293.5	12417.6	12543.1	12799.0	12928.3	13058.9	13190.8	13460.0	13596.0	13733.3	13872.0
115	61	TC	113.9	121.4	124.3	127.9	122.3	130.5	138.9	143.0	145.4	154.3	163.4	167.9
		SC	94.0	97.3	100.3	103.4	108.5	111.8	115.1	118.2	129.0	132.3	135.3	138.7
		PI	12947.4	13078.1	13210.2	13343.7	13616.0	13753.5	13892.5	14032.8	14319.2	14463.8	14609.9	14757.5
	67	TC	101.2	104.7	124.0	136.1	116.4	118.2	120.0	155.1	137.6	141.5	171.3	181.1
		SC	69.6	95.1	107.2	110.5	86.8	102.9	119.0	125.8	102.7	140.0	143.2	146.8
		PI	13112.7	13245.1	13378.9	13514.1	13789.9	14123.4	14457.0	14465.3	14611.4	14759.0	14908.1	15058.7
	73	TC	107.6	111.3	114.9	118.4	123.3	127.1	130.8	140.6	145.1	148.8	152.3	163.4
		SC	36.5	55.9	79.1	104.3	49.3	79.8	110.0	133.2	58.0	93.5	128.1	154.8
		PI	13278.0	13412.1	13547.6	13684.4	13963.7	14104.7	14247.2	14391.1	14684.8	14833.2	14983.0	15134.3

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-125CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			3600				4500				5400			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	95.2	101.5	103.9	107.1	102.1	109.1	116.2	119.6	121.4	129.0	136.6	140.4
		SC	70.1	72.6	74.9	77.2	80.9	83.4	85.9	88.2	96.2	98.7	101.0	103.5
		PI	13831.2	13970.9	14112.1	14254.6	14545.5	14692.4	14840.9	14990.8	15296.7	15451.2	15607.3	15764.9
	67	TC	84.7	87.6	103.7	113.8	97.3	104.0	122.5	129.7	115.1	118.1	143.2	151.4
		SC	51.7	70.8	80.0	82.4	64.6	92.0	93.2	93.8	76.4	104.4	106.8	109.5
		PI	14007.8	14149.3	14292.2	14436.6	14440.3	14444.0	14870.3	15296.7	15608.9	15766.5	15925.8	16086.7
	73	TC	89.5	92.6	95.6	98.5	102.6	105.7	108.8	117.0	120.7	123.8	126.7	136.0
		SC	26.8	41.3	58.4	77.3	36.3	59.0	81.6	98.9	42.7	69.1	95.0	114.9
		PI	14184.4	14327.7	14472.4	14618.6	14917.0	15067.6	15219.8	15373.6	15687.3	15845.8	16005.8	16167.5
125	61	TC	86.1	91.8	93.9	97.1	92.3	98.6	105.1	108.2	109.7	116.6	123.6	127.1
		SC	63.5	65.7	67.8	69.8	73.2	75.5	77.7	79.8	87.1	89.3	91.4	93.7
		PI	14931.0	15081.8	15234.1	15388.0	15702.1	15860.7	16020.9	16182.7	16513.0	16679.8	16848.2	17018.4
	67	TC	77.0	79.7	94.4	103.6	88.6	91.3	111.4	118.0	104.8	107.4	130.3	137.8
		SC	46.9	64.2	72.8	75.0	58.6	80.8	83.1	85.4	69.2	95.0	97.2	99.7
		PI	15006.0	15157.6	15310.7	15465.3	15781.0	15940.4	16101.4	16264.0	16595.9	16763.6	16932.9	17103.9
	73	TC	81.9	84.8	87.5	90.1	93.8	96.8	99.6	107.1	110.5	113.3	115.9	124.4
		SC	24.2	37.6	53.2	70.6	32.9	53.7	74.5	90.5	38.7	62.9	86.7	105.1
		PI	15312.2	15466.9	15623.1	15781.0	16103.0	16265.7	16430.0	16595.9	16934.6	17105.7	17278.5	17453.0

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-150CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			4160				5200				6240			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	140.5	151.0	157.1	163.6	159.5	170.7	176.9	184.8	187.3	199.1	204.8	212.4
		SC	106.2	110.2	113.9	117.4	119.4	123.1	126.6	130.1	140.1	143.5	146.6	149.5
		PI	12320.9	12445.3	12571.0	12698.0	12957.1	13088.0	13220.2	13353.8	13626.3	13763.9	13903.0	14043.4
	67	TC	145.9	151.4	169.6	178.1	163.4	168.5	182.8	192.1	190.8	195.4	210.5	219.5
		SC	102.0	117.2	123.1	127.0	114.2	128.1	136.5	140.1	133.4	148.6	157.1	160.1
		PI	12572.3	12699.3	12827.6	12957.1	13221.6	13355.1	13490.0	13626.3	13904.4	14044.8	14186.7	14330.0
	73	TC	158.5	164.5	170.0	175.3	176.9	182.4	187.7	192.7	205.6	210.6	215.1	219.2
		SC	100.9	102.3	114.8	127.2	104.4	114.9	129.6	144.6	114.2	132.6	148.5	164.5
		PI	12635.5	12763.1	12892.0	13022.3	13288.0	13422.2	13557.8	13694.8	13974.2	14115.4	14258.0	14402.0
95	61	TC	144.1	159.7	167.0	175.4	165.0	182.3	190.0	201.4	193.8	212.6	220.0	231.4
		SC	97.6	101.3	104.7	108.0	109.8	113.2	116.5	119.6	128.9	132.0	134.8	137.4
		PI	13300.5	13434.9	13570.6	13707.6	13987.4	14128.7	14271.4	14415.5	14709.7	14858.3	15008.4	15160.0
	67	TC	140.4	144.6	180.1	192.1	150.3	155.0	189.7	203.2	175.5	196.9	218.4	232.2
		SC	89.3	109.6	113.3	116.8	98.7	122.0	125.5	128.9	115.2	141.5	144.5	147.3
		PI	13609.1	13746.6	13885.5	14025.7	14188.4	14351.0	14530.4	14709.7	15009.9	15161.5	15314.7	15469.4
	73	TC	145.8	151.2	156.3	161.2	162.7	167.7	172.6	177.2	189.0	193.6	197.8	201.6
		SC	91.4	95.1	98.3	115.0	94.8	97.6	110.2	135.7	96.7	102.2	126.2	154.3
		PI	13917.8	14058.4	14200.4	14343.8	14636.6	14784.4	14933.7	15008.8	15315.1	15392.0	15469.4	15547.1

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-150CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			4160				5200				6240			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	131.5	142.9	147.9	153.8	145.9	158.5	166.9	174.4	172.3	186.1	194.7	202.4
		SC	109.7	113.7	117.4	121.0	125.0	128.9	132.6	136.2	147.7	151.3	154.7	158.2
		PI	14208.5	14352.0	14497.0	14643.4	14942.2	15093.2	15245.6	15399.6	15713.9	15872.6	16033.0	16194.9
	67	TC	122.5	126.4	153.7	166.2	135.8	140.0	171.1	182.2	159.6	171.5	198.5	210.5
		SC	90.8	117.1	126.2	130.1	106.2	138.0	142.0	145.8	124.7	161.2	164.8	168.4
		PI	14498.5	14644.9	14792.8	14942.2	15247.2	15401.2	15556.8	15713.9	16034.6	16196.6	16360.2	16525.4
	73	TC	128.6	133.2	137.6	141.9	145.4	149.9	154.2	162.1	170.0	174.2	178.1	186.4
		SC	72.9	86.2	101.5	125.5	82.2	101.5	126.1	154.0	88.3	112.0	145.7	177.0
		PI	14571.3	14718.5	14867.2	15017.3	15323.8	15478.6	15634.9	15792.9	16115.2	16278.0	16442.4	16608.5
115	61	TC	132.9	141.6	145.0	149.2	142.7	152.3	162.1	166.9	169.6	180.1	190.6	195.9
		SC	109.0	112.8	116.4	119.9	125.8	129.7	133.5	137.1	149.6	153.4	157.0	160.9
		PI	15501.4	15658.0	15816.1	15975.9	16301.9	16466.6	16632.9	16800.9	17143.8	17317.0	17491.9	17668.6
	67	TC	118.1	122.2	144.7	158.8	135.8	137.9	140.0	181.0	160.6	165.1	199.8	211.3
		SC	80.7	110.3	124.3	128.1	100.7	119.3	138.0	145.8	119.1	162.3	166.1	170.3
		PI	15699.3	15857.9	16018.1	16179.9	16510.1	16896.5	17283.0	17318.7	17493.7	17670.4	17848.9	18029.2
	73	TC	125.6	129.9	134.0	138.1	143.8	148.3	152.6	164.1	169.3	173.6	177.6	190.6
		SC	42.3	64.8	91.7	121.0	57.1	92.6	127.6	154.5	67.3	108.4	148.6	179.5
		PI	15897.2	16057.8	16220.0	16383.8	16718.2	16887.1	17057.7	17230.0	17581.6	17759.2	17938.6	18119.8

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-150CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			4160				5200				6240			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	119.1	126.9	129.8	133.8	127.6	136.3	145.2	149.5	151.8	161.2	170.8	175.5
		SC	83.8	86.8	89.5	92.3	96.8	99.8	102.7	105.4	115.1	118.0	120.7	123.8
		PI	16388.9	16554.4	16721.7	16890.6	17235.3	17409.4	17585.2	17762.8	18125.4	18308.4	18493.4	18680.2
	67	TC	105.8	109.5	129.7	142.3	121.7	130.0	153.1	162.2	143.9	147.6	179.0	189.3
		SC	61.9	84.6	95.6	98.5	77.2	110.0	111.4	112.2	91.3	124.8	127.8	131.0
		PI	16598.2	16765.8	16935.2	17106.2	17580.6	18055.0	18090.2	18125.4	18495.3	18682.1	18870.8	19061.4
	73	TC	111.9	115.8	119.5	123.1	128.2	132.2	136.0	146.2	150.9	154.7	158.3	169.9
		SC	32.0	49.4	69.9	92.4	43.4	70.5	97.5	118.2	51.0	82.6	113.5	137.3
		PI	16807.4	16977.2	17148.7	17321.9	17675.4	17853.9	18034.3	18216.4	18588.2	18776.0	18965.6	19157.2
125	61	TC	107.7	114.8	117.4	121.3	115.3	123.3	131.4	135.3	137.1	145.8	154.5	158.8
		SC	75.9	78.5	81.0	83.5	87.6	90.3	92.9	95.4	104.1	106.8	109.3	112.0
		PI	17327.2	17502.2	17679.0	17857.6	18222.0	18406.1	18592.0	18779.8	19163.1	19356.7	19552.2	19749.7
	67	TC	96.3	99.6	118.0	129.5	110.7	114.2	139.3	147.6	130.9	134.3	162.9	172.3
		SC	56.1	76.8	87.0	89.7	70.0	96.6	99.4	102.1	82.8	113.6	116.3	119.2
		PI	17414.3	17590.2	17767.9	17947.3	18313.6	18498.6	18685.5	18874.2	19259.4	19453.9	19650.4	19848.9
	73	TC	102.4	106.0	109.3	112.7	117.3	120.9	124.5	133.8	138.1	141.6	144.9	155.5
		SC	28.9	44.9	63.6	84.4	39.3	64.2	89.1	108.1	46.3	75.2	103.7	125.7
		PI	17769.7	17949.2	18130.5	18313.6	18687.4	18876.1	19066.8	19259.4	19652.4	19850.9	20051.5	20254.0

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-200CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			5280				6600				7920			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	203.1	218.2	227.0	236.4	230.6	246.7	255.6	267.1	270.7	287.7	295.9	306.9
		SC	141.0	146.3	151.2	155.9	158.5	163.4	168.2	172.7	186.1	190.6	194.7	198.5
		PI	17462.1	17638.5	17816.7	17996.6	18363.9	18549.4	18736.8	18926.0	19312.3	19507.4	19704.4	19903.4
	67	TC	210.8	218.7	245.0	257.4	236.2	243.5	264.2	277.5	275.7	282.4	304.2	317.1
		SC	135.4	155.7	163.5	168.6	151.7	170.1	181.2	186.1	177.1	197.3	208.6	212.6
		PI	17818.5	17998.5	18180.3	18363.9	18738.7	18928.0	19119.2	19312.3	19706.4	19905.5	20106.5	20309.6
	73	TC	229.1	237.7	245.7	253.3	255.7	263.6	271.2	278.5	297.1	304.3	310.8	316.8
		SC	134.0	135.8	152.4	168.9	138.6	152.5	172.1	192.0	151.6	176.1	197.2	218.4
		PI	17908.0	18088.9	18271.6	18456.2	18832.9	19023.1	19215.2	19409.3	19805.4	20005.5	20207.6	20411.7
95	61	TC	208.3	230.8	241.4	253.5	238.5	263.4	274.7	291.0	280.0	307.3	318.0	334.4
		SC	129.6	134.5	139.0	143.4	145.8	150.3	154.6	158.8	171.1	175.3	179.0	182.5
		PI	18850.6	19041.0	19233.3	19427.6	19824.1	20024.3	20226.6	20430.9	20847.8	21058.4	21271.1	21486.0
	67	TC	202.9	209.0	260.3	277.6	217.3	224.0	274.1	293.6	253.6	284.6	315.6	335.5
		SC	118.6	145.5	150.4	155.1	131.1	162.0	166.7	171.2	153.0	187.9	191.9	195.6
		PI	19288.0	19482.8	19679.6	19878.4	20309.2	20740.0	20793.9	20847.8	21273.3	21488.2	21705.2	21924.5
	73	TC	210.6	218.5	225.9	232.9	235.1	242.4	249.4	256.1	273.2	279.8	285.8	291.3
		SC	121.4	126.3	130.5	152.7	125.9	129.5	146.3	180.2	128.4	135.7	167.6	204.9
		PI	19725.4	19924.7	20125.9	20329.2	20744.1	20953.7	21165.3	21271.7	21705.8	21814.9	21924.5	22034.6

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-200CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			5280				6600				7920			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	178.5	194.0	200.8	208.7	198.0	215.0	226.5	236.6	233.9	252.5	264.2	274.7
		SC	136.0	140.9	145.5	150.0	154.9	159.7	164.3	168.7	183.0	187.5	191.7	196.0
		PI	20137.4	20340.8	20546.3	20753.8	21177.4	21391.3	21607.4	21825.6	22271.0	22496.0	22723.2	22952.8
	67	TC	166.2	171.6	208.6	225.5	184.3	190.0	232.2	247.3	216.5	232.7	269.4	285.7
		SC	112.6	145.1	156.4	161.2	131.6	171.0	176.0	180.7	154.5	199.7	204.2	208.7
		PI	20548.4	20755.9	20965.6	21177.4	21609.6	21827.8	22048.3	22271.0	22725.5	22955.1	23187.0	23421.2
	73	TC	174.5	180.8	186.8	192.5	197.3	203.4	209.3	220.0	230.7	236.5	241.7	252.9
		SC	90.3	106.8	125.7	155.5	101.9	125.7	156.3	190.8	109.5	138.8	180.5	219.4
		PI	20651.6	20860.2	21071.0	21283.8	21718.2	21937.5	22159.1	22383.0	22839.7	23070.5	23303.5	23538.9
115	61	TC	180.4	192.2	196.7	202.4	193.6	206.6	219.9	226.4	230.2	244.4	258.7	265.8
		SC	135.1	139.8	144.2	148.6	155.9	160.7	165.4	169.8	185.4	190.1	194.5	199.4
		PI	21969.8	22191.8	22415.9	22642.3	23104.4	23337.8	23573.5	23811.7	24297.6	24543.0	24790.9	25041.4
	67	TC	160.3	165.8	196.4	215.5	184.3	187.1	190.0	245.6	217.9	224.1	271.2	286.7
		SC	99.9	136.7	154.0	158.7	124.8	147.9	171.0	180.7	147.6	201.1	205.8	211.0
		PI	22250.3	22475.1	22702.1	22931.4	23399.4	23427.7	23456.0	24545.5	24793.5	25043.9	25296.9	25552.4
	73	TC	170.4	176.3	181.9	187.5	195.2	201.2	207.1	222.7	229.8	235.6	241.1	258.7
		SC	52.5	80.3	113.6	149.9	70.8	114.7	158.1	191.4	83.3	134.3	184.1	222.4
		PI	22530.9	22758.4	22988.3	23220.5	23694.4	23933.8	24175.5	24419.7	24918.1	25169.8	25424.0	25680.8

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-200CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			5280				6600				7920			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	164.9	175.7	179.8	185.3	176.7	188.8	201.0	207.0	210.2	223.2	236.5	243.0
		SC	105.9	109.6	113.1	116.6	122.3	126.1	129.7	133.2	145.4	149.1	152.6	156.4
		PI	23716.7	23956.2	24198.2	24442.7	24941.5	25193.4	25447.9	25704.9	26229.5	26494.5	26762.1	27032.4
	67	TC	146.5	151.6	179.5	197.0	168.5	180.0	211.9	224.5	199.2	204.4	247.9	262.1
		SC	78.2	106.9	120.8	124.5	97.6	139.0	140.8	141.8	115.4	157.8	161.4	165.5
		PI	24019.5	24262.1	24507.2	24754.7	24877.4	25000.0	25614.8	26229.5	26764.8	27035.2	27308.3	27584.1
	73	TC	155.0	160.3	165.4	170.5	177.5	183.0	188.3	202.5	209.0	214.2	219.2	235.3
		SC	40.5	62.4	88.3	116.8	54.8	89.1	123.2	149.4	64.5	104.3	143.5	173.6
		PI	24322.3	24568.0	24816.2	25066.8	25578.4	25836.8	26097.7	26361.3	26899.3	27171.0	27445.5	27722.7
125	61	TC	149.1	159.0	162.6	168.0	159.7	170.7	181.9	187.3	189.9	201.9	214.0	219.9
		SC	95.9	99.2	102.4	105.5	110.7	114.1	117.4	120.6	131.6	134.9	138.1	141.5
		PI	25602.4	25861.0	26122.3	26386.1	26924.6	27196.6	27471.3	27748.8	28315.1	28601.1	28890.0	29181.8
	67	TC	133.3	138.0	163.4	179.3	153.3	158.1	192.9	204.3	181.3	185.9	225.6	238.5
		SC	70.9	97.1	109.9	113.3	88.5	122.0	125.6	129.0	104.6	143.5	146.9	150.6
		PI	25731.1	25991.0	26253.5	26518.7	27059.9	27333.3	27609.3	27888.2	28457.4	28744.8	29035.2	29328.5
	73	TC	141.8	146.7	151.4	156.0	162.4	167.5	172.3	185.3	191.2	196.0	200.6	215.3
		SC	36.6	56.8	80.4	106.7	49.7	81.2	112.6	136.7	58.5	95.0	131.1	158.8
		PI	26256.2	26521.4	26789.3	27059.9	27612.2	27891.1	28172.8	28457.4	29038.1	29331.5	29627.7	29927.0

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-250CWN1-R(G)

Air Flow（CFM）			7120				8900				10680			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	264.7	284.5	295.9	308.2	300.6	321.5	333.2	348.2	352.8	375.0	385.8	400.1
		SC	208.0	215.8	223.1	230.0	233.9	241.1	248.1	254.8	274.5	281.2	287.2	292.8
		PI	23714.4	23953.9	24195.9	24440.3	24939.1	25191.0	25445.4	25702.5	26227.0	26491.9	26759.5	27029.8
	67	TC	274.8	285.1	319.4	335.5	307.8	317.4	344.4	361.8	359.4	368.1	396.5	413.4
		SC	199.8	229.7	241.2	248.8	223.8	250.9	267.3	274.5	261.2	291.0	307.7	313.7
		PI	24198.4	24442.8	24689.7	24939.1	25448.0	25705.1	25964.7	26227.0	26762.3	27032.6	27305.6	27581.4
	73	TC	298.6	309.8	320.3	330.2	333.3	343.6	353.6	363.1	387.2	396.7	405.1	413.0
		SC	197.7	200.4	224.8	249.2	204.4	225.0	253.9	283.3	223.7	259.8	290.9	322.2
		PI	24320.0	24565.6	24813.8	25064.4	25575.9	25834.3	26095.2	26358.8	26896.7	27168.4	27442.8	27720.1
95	61	TC	271.5	300.9	314.7	330.4	310.9	343.4	358.0	379.4	365.0	400.5	414.5	435.9
		SC	191.3	198.4	205.1	211.5	215.0	221.7	228.1	234.3	252.4	258.6	264.1	269.2
		PI	25600.0	25858.5	26119.7	26383.6	26922.0	27194.0	27468.6	27746.1	28312.4	28598.3	28887.2	29179.0
	67	TC	264.5	272.4	339.3	361.9	283.2	292.0	357.3	382.8	330.6	371.0	411.3	437.4
		SC	175.0	214.7	221.9	228.9	193.4	239.0	245.9	252.6	225.7	277.2	283.1	288.6
		PI	26194.0	26458.6	26725.9	26995.8	27271.4	27547.0	27929.7	28312.4	28890.2	29182.0	29476.7	29774.5
	73	TC	274.6	284.9	294.5	303.7	306.4	315.9	325.1	333.9	356.1	364.8	372.5	379.8
		SC	179.1	186.4	192.6	225.2	185.7	191.1	215.8	265.8	189.5	200.2	247.3	302.3
		PI	26788.1	27058.7	27332.0	27608.1	28171.5	28456.1	28743.5	28887.9	29477.5	29625.6	29774.5	29924.1

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-250CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			7120				8900				10680			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	242.4	263.4	272.6	283.4	268.8	292.0	307.5	321.3	317.6	342.9	358.7	373.1
		SC	200.4	207.6	214.4	221.0	228.2	235.3	242.1	248.7	269.7	276.4	282.5	288.8
		PI	27347.6	27623.8	27902.8	28184.7	28759.9	29050.4	29343.8	29640.2	30245.1	30550.6	30859.2	31170.9
	67	TC	225.7	233.0	283.2	306.2	250.2	258.0	315.3	335.9	294.0	316.0	365.8	387.9
		SC	165.9	213.9	230.5	237.6	193.9	252.0	259.3	266.3	227.7	294.3	300.9	307.6
		PI	27905.7	28187.6	28472.3	28759.9	29346.8	29643.3	29942.7	30245.1	30862.4	31174.1	31489.0	31807.1
	73	TC	237.0	245.6	253.6	261.4	267.9	276.2	284.2	298.7	313.3	321.1	328.3	343.4
		SC	133.1	157.5	185.3	229.2	150.1	185.3	230.3	281.2	161.3	204.5	266.0	323.3
		PI	28045.9	28329.2	28615.4	28904.4	29494.3	29792.2	30093.2	30397.1	31017.5	31330.8	31647.3	31966.9
115	61	TC	245.0	261.0	267.2	274.9	262.9	280.6	298.7	307.5	312.6	331.8	351.3	361.0
		SC	199.0	206.0	212.5	219.0	229.7	236.8	243.7	250.3	273.2	280.1	286.6	293.8
		PI	29836.1	30137.5	30441.9	30749.4	31376.9	31693.9	32014.0	32337.4	32997.3	33330.6	33667.3	34007.4
	67	TC	217.6	225.2	266.6	292.7	250.2	254.1	258.0	333.5	295.9	304.2	368.2	389.3
		SC	147.3	201.4	227.0	233.9	183.9	217.9	252.0	266.3	217.5	296.4	303.3	310.9
		PI	30217.0	30522.3	30830.6	31142.0	31777.5	32426.8	33076.0	33334.0	33670.7	34010.8	34354.4	34701.4
	73	TC	231.4	239.4	247.0	254.6	265.0	273.3	281.2	302.3	312.0	319.9	327.3	351.3
		SC	77.3	118.4	167.4	220.9	104.3	169.0	233.0	282.1	122.8	197.9	271.3	327.8
		PI	30598.0	30907.1	31219.2	31534.6	32178.2	32503.2	32831.5	33163.1	33839.9	34181.7	34527.0	34875.8

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-250CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			7120				8900				10680			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	221.6	236.2	241.7	249.2	237.6	253.8	270.3	278.3	282.6	300.1	317.9	326.7
		SC	178.4	184.5	190.4	196.3	205.8	212.2	218.4	224.3	244.8	251.0	256.8	263.3
		PI	31872.9	32194.8	32520.0	32848.5	33518.9	33857.5	34199.5	34544.9	35249.9	35606.0	35965.6	36328.9
	67	TC	197.0	203.8	241.4	264.9	226.5	242.0	285.0	301.9	267.9	274.8	333.3	352.4
		SC	131.6	180.0	203.4	209.6	164.2	234.0	237.0	238.6	194.2	265.6	271.8	278.6
		PI	32279.8	32605.9	32935.3	33267.9	33676.0	34084.0	34667.0	35249.9	35969.3	36332.6	36699.6	37070.3
	73	TC	208.3	215.6	222.4	229.2	238.7	246.1	253.2	272.2	280.9	288.0	294.8	316.4
		SC	68.2	105.0	148.6	196.6	92.3	150.1	207.4	251.4	108.6	175.7	241.5	292.2
		PI	32686.8	33017.0	33350.5	33687.3	34374.8	34722.1	35072.8	35427.1	36150.1	36515.2	36884.1	37256.6
125	61	TC	200.5	213.7	218.6	225.8	214.7	229.5	244.6	251.9	255.3	271.4	287.7	295.7
		SC	161.4	167.0	172.3	177.6	186.3	192.1	197.6	203.0	221.5	227.1	232.4	238.3
		PI	34048.7	34392.7	34740.1	35091.0	35807.1	36168.8	36534.2	36903.2	37656.3	38036.7	38420.9	38809.0
	67	TC	179.3	185.5	219.6	241.1	206.1	212.5	259.3	274.7	243.8	249.9	303.3	320.7
		SC	119.4	163.4	185.1	190.7	148.9	205.4	211.4	217.2	176.1	241.6	247.3	253.5
		PI	34219.8	34565.5	34914.6	35267.3	35987.1	36350.6	36717.7	37088.6	37845.5	38227.8	38614.0	39004.0
	73	TC	190.6	197.2	203.5	209.8	218.4	225.1	231.7	249.1	257.1	263.6	269.7	289.5
		SC	61.6	95.6	135.3	179.6	83.6	136.7	189.5	230.1	98.5	160.0	220.6	267.3
		PI	34918.2	35270.9	35627.2	35987.1	36721.5	37092.4	37467.1	37845.5	38617.9	39008.0	39402.0	39800.0

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-300CWN1-R(G)

Cooling capacity:

Air Flow（CFM）			8240				10300				12360			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
85	61	TC	301.0	323.5	336.5	350.4	341.7	365.6	378.9	395.9	401.2	426.4	438.6	454.9
		SC	228.0	236.6	244.5	252.2	256.4	264.3	272.0	279.3	300.9	308.3	314.9	321.0
		PI	26514.8	26782.7	27053.2	27326.5	27884.1	28165.8	28450.3	28737.7	29324.2	29620.4	29919.6	30221.8
	67	TC	312.5	324.2	363.2	381.5	350.0	360.9	391.6	411.4	408.6	418.6	450.9	470.1
		SC	219.0	251.8	264.5	272.7	245.3	275.1	293.0	301.0	286.4	319.1	337.4	343.9
		PI	27056.0	27329.3	27605.3	27884.1	28453.2	28740.6	29030.9	29324.2	29922.6	30224.9	30530.2	30838.6
	73	TC	339.5	352.3	364.1	375.5	378.9	390.7	402.0	412.8	440.3	451.0	460.6	469.6
		SC	216.7	219.6	246.5	273.2	224.1	246.7	278.3	310.5	245.2	284.8	318.9	353.2
		PI	27191.9	27466.6	27744.0	28024.3	28596.2	28885.0	29176.8	29471.5	30073.0	30376.8	30683.6	30993.5
95	61	TC	308.7	342.1	357.8	375.7	353.5	390.5	407.1	431.3	415.0	455.4	471.3	495.6
		SC	209.7	217.5	224.9	231.9	235.7	243.0	250.1	256.8	276.7	283.5	289.5	295.1
		PI	28623.1	28912.2	29204.2	29499.2	30101.3	30405.3	30712.4	31022.7	31655.8	31975.5	32298.5	32624.8
	67	TC	300.7	309.8	385.7	411.5	322.0	332.0	406.3	435.2	375.9	421.8	467.7	497.3
		SC	191.8	235.4	243.3	250.9	212.0	262.0	269.6	276.9	247.5	303.9	310.4	316.4
		PI	29287.3	29583.1	29881.9	30183.8	30752.4	31321.0	31488.4	31655.8	32301.8	32628.1	32957.7	33290.6
	73	TC	312.2	323.9	334.8	345.2	348.4	359.2	369.6	379.6	404.9	414.7	423.6	431.8
		SC	196.4	204.3	211.1	246.9	203.6	209.5	236.6	291.4	207.7	219.5	271.1	331.4
		PI	29951.5	30254.0	30559.6	30868.3	31498.3	31816.5	32137.8	32299.3	32958.5	33124.1	33290.6	33457.9

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-300CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			8240				10300				12360			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
105	61	TC	271.6	295.1	305.4	317.5	301.1	327.1	344.4	360.0	355.7	384.1	401.8	417.9
		SC	221.0	229.0	236.5	243.8	251.8	259.6	267.1	274.3	297.5	304.9	311.7	318.6
		PI	30577.1	30885.9	31197.9	31513.0	32156.2	32481.0	32809.1	33140.5	33816.8	34158.4	34503.4	34851.9
	67	TC	252.8	260.9	317.2	343.0	280.3	289.0	353.2	376.2	329.4	354.0	409.8	434.5
		SC	183.0	236.0	254.3	262.1	213.9	278.0	286.1	293.8	251.2	324.7	332.0	339.3
		PI	31201.1	31516.3	31834.6	32156.2	32812.4	33143.8	33478.6	33816.8	34506.9	34855.5	35207.6	35563.2
	73	TC	265.5	275.1	284.1	292.9	300.1	309.4	318.4	334.6	351.0	359.7	367.7	384.7
		SC	146.8	173.7	204.4	252.8	165.6	204.4	254.0	310.2	178.0	225.6	293.5	356.6
		PI	31357.9	31674.6	31994.6	32317.8	32977.3	33310.4	33646.9	33986.7	34680.3	35030.6	35384.5	35741.9
115	61	TC	274.4	292.4	299.3	307.9	294.5	314.3	334.5	344.4	350.2	371.7	393.5	404.3
		SC	219.6	227.2	234.4	241.6	253.4	261.3	268.8	276.1	301.4	309.0	316.2	324.1
		PI	33359.4	33696.4	34036.8	34380.6	35082.2	35436.6	35794.5	36156.1	36894.0	37266.6	37643.1	38023.3
	67	TC	243.8	252.3	298.7	327.9	280.3	284.7	289.0	373.6	331.5	340.8	412.5	436.1
		SC	162.5	222.2	250.4	258.0	202.9	240.4	278.0	293.8	239.9	327.0	334.6	343.0
		PI	33785.4	34126.6	34471.4	34819.6	35530.2	36290.6	37051.0	37270.5	37646.9	38027.2	38411.3	38799.3
	73	TC	259.2	268.2	276.7	285.2	296.9	306.1	315.0	338.7	349.5	358.3	366.7	393.5
		SC	85.3	130.6	184.7	243.7	115.1	186.5	257.1	311.2	135.5	218.3	299.3	361.6
		PI	34211.3	34556.9	34905.9	35258.5	35978.1	36341.5	36708.6	37079.4	37836.1	38218.3	38604.3	38994.3

Notes:

1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

SRTC-300CWN1-R(G)

Cooling capacity: (Continued)

Air Flow（CFM）			8240				10300				12360			
Ent（DB）		（℉）	75	80	85	90	75	80	85	90	75	80	85	90
118.4	61	TC	250.0	266.5	272.6	281.1	268.0	286.3	304.9	314.0	318.8	338.6	358.6	368.6
		SC	202.0	209.0	215.6	222.3	233.1	240.3	247.3	254.0	277.2	284.2	290.9	298.2
		PI	35636.8	35996.7	36360.4	36727.6	37477.2	37855.7	38238.1	38624.4	39412.6	39810.7	40212.8	40619.0
	67	TC	222.2	230.0	272.3	298.9	255.5	273.0	321.5	340.5	302.2	310.0	376.0	397.5
		SC	149.1	203.9	230.3	237.4	186.0	265.0	268.4	270.2	220.0	300.8	307.8	315.5
		PI	36091.8	36456.4	36824.6	37196.6	37823.3	38450.0	38931.3	39412.6	40216.9	40623.2	41033.5	41448.0
	73	TC	235.0	243.2	250.9	258.6	269.2	277.6	285.6	307.1	316.9	324.9	332.5	356.9
		SC	77.2	118.9	168.3	222.7	104.5	169.9	234.9	284.7	123.0	198.9	273.5	330.9
		PI	36546.8	36916.0	37288.8	37665.5	38434.2	38822.4	39214.6	39610.7	40419.0	40827.3	41239.7	41656.3
125	61	TC	226.1	241.1	246.6	254.8	242.2	258.9	275.9	284.1	288.0	306.1	324.5	333.6
		SC	182.8	189.1	195.2	201.1	211.0	217.5	223.8	229.8	250.9	257.2	263.2	269.8
		PI	38069.6	38454.1	38842.5	39234.9	40035.6	40440.0	40848.5	41261.1	42103.2	42528.5	42958.0	43392.0
	67	TC	202.2	209.3	247.8	271.9	232.5	239.7	292.5	309.9	275.0	281.9	342.1	361.7
		SC	135.2	185.0	209.6	216.0	168.6	232.7	239.5	245.9	199.4	273.6	280.1	287.1
		PI	38260.9	38647.4	39037.7	39432.1	40236.8	40643.2	41053.8	41468.4	42314.7	42742.2	43173.9	43610.0
	73	TC	215.1	222.5	229.6	236.6	246.3	254.0	261.3	281.0	290.0	297.3	304.3	326.6
		SC	69.7	108.2	153.3	203.4	94.7	154.8	214.6	260.5	111.5	181.2	249.9	302.8
		PI	39041.7	39436.1	39834.4	40236.8	41057.9	41472.7	41891.6	42314.7	43178.3	43614.5	44055.0	44500.0

Notes:
1. All capacities are net and have considered indoor fan heat.
2. TC=Total Capacity. (Unit: 1,000Btu/h)
3. SC=Sensible Capacity. (Unit: 1,000Btu/h)
4. PI=Power input (Unit: W)
5. Different air volume in the above table, need to adjust in the field.

6. Electrical Data

Model	Power Supply			Compressor				Eva.Fan Motor			Con. Fan Motor		
	MCA	MOP	MFA	MSC	RLA	IPT	Qty	FLA	IPT	Qty	FLA	IPT	Qty.
SRTC-050CWN1-R(G)	17.5	28.1	25	76	10.1	4.84	1	3.85	0.85	1	1.4	0.42	1
SRTC-075CWN1-R(G)	24.6	32.5	30	36.1	6.2	3.47	2	3.53	1.82	1	3.8	0.85	1
SRTC-085CWN1-R(G)	29.4	39.1	35	76+36.1	10.1+6.2	4.84+3.47	1+1	3.53	1.82	1	4.9	0.87	1
SRTC-100CWN1-R(G)	33.9	45.7	40	76	10.1	4.84	2	3.53	1.82	1	1.9	0.42	2
SRTC-125CWN1-R(G)	39.6	50.8	50	75	12.5	5.65	2	6.58	3.50	1	3.5+5.0	0.54+0.70	1+1
SRTC-150CWN1-R(G)	45.1	58.2	50	100	13.0	6.27	2	8.66	4.62	1	4.0+4.5	0.60+0.70	1+1
SRTC-200CWN1-R(G)	63.3	82.8	80	139	18.0	9.19	2	11.60	6.27	1	5.1+5.4	0.72+0.78	1+1
SRTC-250CWN1-R(G)	84.1	118.7	110	197+147	27.6+21.4	12.54+10.45	1+1	11.60	6.27	1	4.0	2.15	2
SRTC-300CWN1-R(G)	92.5	127.1	125	197	27.6	12.54	2	11.60	6.27	1	4.0	2.15	2

Notes:

MCA: Min. Current Amps. (A) TOCA: Total Over-current Amps. (A) MFA: Max. Fuse Amps (A)

MSC: Max. Starting Current (A); RLA: Rated Load Amps (A); IPT: Input Power (kW); FLA: Full Load Amps(A) Qty: Quantity

Voltage imbalance between each phases should be <2%.

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7. Fan Performance Data

SRTC-050CWN1-R(G)

Static Pressure	Item	High speed	Medium speed	Low speed
0Pa	Fan speed (rpm)	846	755	670
	Power input (W)	751	694	651
	Air flow (CFM)	2540	2478	2357
50Pa	Fan speed (rpm)	882	783	695
	Power input (W)	677	619	578
	Air flow (CFM)	2300	2246	2155
75Pa	Fan speed (rpm)	890	792	707
	Power input (W)	663	603	566
	Air flow (CFM)	2243	2190	2089
100Pa	Fan speed (rpm)	923	814	723
	Power input (W)	602	541	505
	Air flow (CFM)	1990	1942	1891
150Pa	Fan speed (rpm)	965	856	751
	Power input (W)	528	466	424
	Air flow (CFM)	1620	1571	1530

Notes: The unit only has one speed of indoor side fan, and low speed is the factory default. If the unit operating with other fan speed, the wiring between fan motor and main PCB board should be adjusted.

Blower drive options						
Model	Motor			Blower		
	HP	rpm	Pulley pitch Dia. (inch)	Fan speed range (rpm)		Pulley pitch Dia. (inch)
				Min.	Max.	
SRTC-075CWN1-R(G)	2	1,400	4.53~5.25	734	869	8.82
SRTC-085CWN1-R(G)	2	1,400	4.53~5.25	823	973	7.87
SRTC-100CWN1-R(G)	2	1,400	4.53~5.25	658	780	9.84
SRTC-125CWN1-R(G)	4	1,420	4.53~5.25	745	885	8.82
SRTC-150CWN1-R(G)	5.5	1,440	4.53~5.25	940	1117	7.09
SRTC-200CWN1-R(G)	7.5	1,440	4.53~5.25	891	1058	7.48
SRTC-250CWN1-R(G)	7.5	1,440	4.53~5.25	537	638	12.40
SRTC-300CWN1-R(G)	7.5	1,440	4.53~5.25	564	672	11.81

Example for selection process:

The following data are the rated design points for SRTC-085CWN1-R(G) rooftop packages:

Air flow = 3600CFM; External static pressure = 0.29in.w.g; Fan speed = 830rpm;

Power input = 1295W; The No. of turns = 3N.

To increase the ESP (External Static Pressure) to 0.5in.w.g, but maintain the airflow rate at 3600CFM, please follow the steps below:

Step 1: Selection of new desired point.

From the table data, select the point that can meet both of the requirements.

ESP = 0.5in.w.g;

Air flow rate (Near or equal to) ≈ 3600CFM.

Step 2: Read fan speed, power input:

Air flow = 3626CFM;

Fan speed = 912rpm;

Power input = 1388W.

Step 3: Read number of turns for variable pitch pulley.

Similarly, use this RPM valve to read the no. of turns (N) by referring to the table of 'Motor Variable Pitch Pulley Data. The variable pitch pulley for motor shall be adjusted to this 'N' in order to achieve the desired point (ESP = 0.5in.w.g and airflow rate =3626cfm). For instance, from the table, no. of turns (N) =1.75 in order to get 3626cfm. First, adjust the motor pulley to 0 turns. Then, makes 1.75 turns on the pulley. Cross check the dimension 'X', which stands for regulation space of motor pulley. In this case, X =1mm.

Pulley pitch factory set point: the table, No. of turns = 1.75N.

SRTC-075CWN1-R(G)

[1.5kw Standard static pressure Motor. Fixed Pulley：SPA224*1*2012;Adjustable pulley：VAR139A1-1615; Belt：SPA1272]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	777	769	760	746	734
	Power input (W)	/	/	/	/	/	/	/	/	1130	1091	1051	1014	976
	Air flow (CFM)	/	/	/	/	/	/	/	/	3743	3689	3634	3582	3530
25	**Fan speed (rpm)**	/	/	/	/	/	804	796	804	779	771	761	748	736
	Power input (W)	/	/	/	/	/	1207	1162	1112	1062	1023	984	947	910
	Air flow (CFM)	/	/	/	/	/	3755	3702	3625	3547	3481	3414	3361	3308
50	**Fan speed (rpm)**	/	/	833	822	812	805	799	805	780	773	763	751	738
	Power input (W)	/	/	1211	1195	1178	1136	1093	1043	993	955	916	880	844
	Air flow (CFM)	/	/	3652	3634	3615	3561	3506	3429	3351	3273	3194	3140	3086
75	**Fan speed (rpm)**	856	848	833	824	816	809	801	809	782	774	764	753	741
	Power input (W)	1305	1222	1139	1123	1107	1066	1024	975	925	888	851	816	781
	Air flow (CFM)	3629	3547	3464	3444	3424	3364	3303	3226	3149	3059	2969	2914	2859
100	**Fan speed (rpm)**	858	848	838	829	820	812	804	812	784	776	766	756	744
	Power input (W)	1220	1135	1050	1036	1022	979	935	888	840	801	762	726	690
	Air flow (CFM)	3400	3307	3213	3189	3164	3085	3005	2937	2869	2764	2659	2574	2489

Continued: SRTC-075CWN1-R(G)

125	**Fan speed (rpm)**	861	851	839	830	822	814	806	814	786	779	768	/	/
	Power input (W)	1131	1045	958	944	931	888	845	797	749	683	617	/	/
	Air flow (CFM)	3161	3047	2933	2906	2878	2790	2701	2606	2512	2208	1905	/	/
150	**Fan speed (rpm)**	864	855	839	832	824	816	808	816	787	/	/	/	/
	Power input (W)	1042	954	866	853	839	797	755	707	658	/	/	/	/
	Air flow (CFM)	2922	2788	2653	2623	2592	2495	2397	2276	2154	/	/	/	/
175	**Fan speed (rpm)**	866	857	844	835	/	/	/	/	/	/	/	/	/
	Power input (W)	929	813	696	684	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	2557	2208	1859	1819	/	/	/	/	/	/	/	/	/
200	**Fan speed (rpm)**	869	860	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	816	671	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	2192	1629	/	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

SRTC-085CWN1-R(G)

[1.5kw Standard static pressure Motor. Fixed Pulley：SPA200*1*2012;Adjustable pulley：VAR139A1-1615; Belt：SPA1557]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	835	823
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	1655	1534
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	4516	4456
25	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	852	837	825
	Power input (W)	/	/	/	/	/	/	/	/	/	/	1713	1584	1454
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	4368	4309	4249
50	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	866	854	841	827
	Power input (W)	/	/	/	/	/	/	/	/	/	1617	1537	1458	1378
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	4205	4132	4058	3985
75	**Fan speed (rpm)**	/	/	/	/	/	/	/	906	876	867	855	844	830
	Power input (W)	/	/	/	/	/	/	/	1666	1589	1516	1442	1369	1295
	Air flow (CFM)	/	/	/	/	/	/	/	4100	4023	3958	3893	3828	3763
100	**Fan speed (rpm)**	/	/	/	/	/	909	900	909	878	869	858	847	833
	Power input (W)	/	/	/	/	/	1698	1610	1521	1433	1376	1318	1261	1203
	Air flow (CFM)	/	/	/	/	/	4010	3943	3877	3810	3733	3656	3579	3502

Continued: SRTC-085CWN1-R(G)

125	**Fan speed (rpm)**	/	/	/	930	921	912	903	912	880	872	860	849	835
	Power input (W)	/	/	/	1654	1569	1509	1448	1388	1327	1270	1212	1155	1097
	Air flow (CFM)	/	/	/	3899	3831	3763	3695	3626	3558	3478	3398	3317	3237
150	**Fan speed (rpm)**	/	/	940	932	923	914	905	914	882	875	861	850	837
	Power input (W)	/	/	1630	1548	1466	1402	1339	1275	1211	1154	1097	1040	983
	Air flow (CFM)	/	/	3734	3665	3597	3517	3436	3356	3275	3196	3116	3037	2957
175	**Fan speed (rpm)**	970	960	946	936	926	917	908	896	883	877	863	/	/
	Power input (W)	1654	1578	1502	1426	1350	1283	1216	1149	1082	1039	996	/	/
	Air flow (CFM)	3601	3537	3474	3410	3346	3250	3154	3057	2961	2919	2876	/	/
200	**Fan speed (rpm)**	973	964	951	940	929	920	911	/	/	/	/	/	/
	Power input (W)	1503	1431	1359	1286	1214	1159	1103	/	/	/	/	/	/
	Air flow (CFM)	3329	3254	3179	3104	3029	2962	2894	/	/	/	/	/	/
225	**Fan speed (rpm)**	974	965	953	/	/	/	/	/	/	/	/	/	/
	Power input (W)	1366	1292	1219	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	3043	2965	2876	/	/	/	/	/	/	/	/	/	/
250	**Fan speed (rpm)**	975	/	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	1227	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	2803	/	/	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

SRTC-100CWN1-R(G)

[1.5kw Standard static pressure Motor. Fixed Pulley：SPA250*1*2012;Adjustable pulley：VAR139A1-1615; Belt：SPA1707]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	/	658
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	/	1750
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	/	5524
25	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	/	660
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	/	1680
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	/	5265
50	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	683	672	661
	Power input (W)	/	/	/	/	/	/	/	/	/	/	1720	1665	1610
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	5221	5113	5006
75	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	701	694	684	675	664
	Power input (W)	/	/	/	/	/	/	/	/	1705	1654	1603	1551	1500
	Air flow (CFM)	/	/	/	/	/	/	/	/	5131	5021	4912	4803	4694
100	**Fan speed (rpm)**	/	/	/	/	/	/	720	727	702	695	686	678	667
	Power input (W)	/	/	/	/	/	/	1720	1650	1580	1533	1485	1438	1390
	Air flow (CFM)	/	/	/	/	/	/	5013	4919	4826	4715	4604	4493	4382

Continued: SRTC-100CWN1-R(G)

125	**Fan speed (rpm)**	/	/	/	/	736	729	722	729	704	698	688	679	668
	Power input (W)	/	/	/	/	1740	1671	1603	1534	1465	1419	1373	1326	1280
	Air flow (CFM)	/	/	/	/	4897	4799	4701	4602	4504	4386	4268	4150	4032
150	**Fan speed (rpm)**	/	/	/	745	739	731	724	731	706	700	689	680	670
	Power input (W)	/	/	/	1703	1620	1553	1485	1418	1350	1305	1260	1215	1170
	Air flow (CFM)	/	/	/	4685	4594	4491	4388	4285	4182	4057	3932	3807	3682
175	**Fan speed (rpm)**	/	768	756	749	741	734	726	717	706	701	690	/	/
	Power input (W)	/	1729	1648	1566	1485	1419	1353	1286	1220	1173	1125	/	/
	Air flow (CFM)	/	4555	4454	4354	4253	4122	3991	3860	3729	3593	3456	/	/
200	**Fan speed (rpm)**	778	771	761	752	743	736	728	719	/	/	/	/	/
	Power input (W)	1670	1590	1510	1430	1350	1285	1220	1155	/	/	/	/	/
	Air flow (CFM)	4353	4243	4132	4022	3912	3753	3594	3435	/	/	/	/	/
225	**Fan speed (rpm)**	779	772	762	755	745	/	/	/	/	/	/	/	/
	Power input (W)	1515	1429	1343	1256	1170	/	/	/	/	/	/	/	/
	Air flow (CFM)	3912	3774	3637	3499	3362	/	/	/	/	/	/	/	/
250	**Fan speed (rpm)**	780	773	763	/	/	/	/	/	/	/	/	/	/
	Power input (W)	1360	1268	1175	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	3471	3306	3141	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

SRTC-125CWN1-R(G)

[3.0kw Standard static pressure Motor. Fixed Pulley：SPA224*1*2012;Adjustable pulley：VAR139A1-1615; Belt：SPA1632]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	788	779	771	756	745
	Power input (W)	/	/	/	/	/	/	/	/	2350	2295	2240	2185	2130
	Air flow (CFM)	/	/	/	/	/	/	/	/	5988	5897	5806	5715	5624
25	**Fan speed (rpm)**	/	/	/	/	/	/	808	800	790	782	772	758	747
	Power input (W)	/	/	/	/	/	/	2438	2344	2250	2194	2138	2081	2025
	Air flow (CFM)	/	/	/	/	/	/	5919	5835	5751	5659	5566	5474	5382
50	**Fan speed (rpm)**	/	/	/	/	824	817	810	801	792	784	774	761	749
	Power input (W)	/	/	/	/	2510	2420	2330	2240	2150	2093	2035	1978	1920
	Air flow (CFM)	/	/	/	/	5871	5781	5692	5603	5514	5420	5327	5234	5141
75	**Fan speed (rpm)**	/	/	845	836	828	820	813	803	793	785	775	764	752
	Power input (W)	/	/	2565	2485	2405	2319	2233	2146	2060	2004	1948	1891	1835
	Air flow (CFM)	/	/	5800	5721	5641	5551	5461	5370	5280	5183	5086	4988	4891
100	**Fan speed (rpm)**	/	860	850	840	831	823	815	804	795	787	777	767	755
	Power input (W)	/	2533	2455	2378	2300	2218	2135	2053	1970	1915	1860	1805	1750
	Air flow (CFM)	/	5657	5575	5494	5412	5320	5229	5138	5046	4945	4844	4743	4641
125	**Fan speed (rpm)**	873	863	851	842	834	826	817	806	797	790	779	769	756
	Power input (W)	2505	2425	2345	2265	2185	2103	2020	1938	1855	1803	1750	1698	1645
	Air flow (CFM)	5508	5422	5335	5248	5162	5061	4961	4861	4760	4641	4522	4403	4283
150	**Fan speed (rpm)**	876	867	851	844	836	828	820	809	799	792	779	770	758
	Power input (W)	2400	2318	2235	2153	2070	1988	1905	1823	1740	1690	1640	1590	1540
	Air flow (CFM)	5278	5186	5095	5003	4912	4802	4693	4584	4474	4337	4200	4063	3925

Continued: SRTC-125CWN1-R(G)

175	**Fan speed (rpm)**	879	870	856	847	839	830	822	811	800	794	781	773	761
	Power input (W)	2265	2188	2110	2033	1955	1874	1793	1711	1630	1578	1525	1473	1420
	Air flow (CFM)	5012	4916	4821	4725	4629	4515	4400	4285	4170	4035	3900	3765	3631
200	**Fan speed (rpm)**	881	873	861	851	841	833	825	814	802	795	783	/	/
	Power input (W)	2130	2058	1985	1913	1840	1760	1680	1600	1520	1465	1410	/	/
	Air flow (CFM)	4746	4646	4546	4447	4347	4227	4106	3986	3866	3733	3601	/	/
225	**Fan speed (rpm)**	882	874	863	854	843	834	826	/	/	/	/	/	/
	Power input (W)	2000	1929	1858	1786	1715	1600	1485	/	/	/	/	/	/
	Air flow (CFM)	4448	4338	4228	4119	4009	3734	3458	/	/	/	/	/	/
250	**Fan speed (rpm)**	883	875	864	855	844	/	/	/	/	/	/	/	/
	Power input (W)	1870	1800	1730	1660	1590	/	/	/	/	/	/	/	/
	Air flow (CFM)	4149	4030	3910	3790	3671	/	/	/	/	/	/	/	/
275	**Fan speed (rpm)**	884	876	865	/	/	/	/	/	/	/	/	/	/
	Power input (W)	1715	1655	1595	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	3735	3584	3432	/	/	/	/	/	/	/	/	/	/
300	**Fan speed (rpm)**	885	/	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	1560	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	3321	/	/	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

SRTC-150CWN1-R(G)

[4.0kw Standard static pressure Motor. Fixed Pulley：SPA180*1*2012;Adjustable pulley：VAR139A1-1615; Belt：SPA1657]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	/	940
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	/	2520
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	/	6882
25	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	974	957	942
	Power input (W)	/	/	/	/	/	/	/	/	/	/	2685	2538	2390
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	6765	6647	6529
50	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	999	990	976	961	945
	Power input (W)	/	/	/	/	/	/	/	/	2680	2625	2570	2415	2260
	Air flow (CFM)	/	/	/	/	/	/	/	/	6647	6559	6471	6324	6176
75	**Fan speed (rpm)**	/	/	/	/	/	/	1025	1013	1001	991	978	964	949
	Power input (W)	/	/	/	/	/	/	2715	2643	2570	2490	2410	2270	2130
	Air flow (CFM)	/	/	/	/	/	/	6446	6373	6300	6187	6074	5915	5756
100	**Fan speed (rpm)**	/	/	/	/	1049	1039	1029	1015	1003	993	980	968	952
	Power input (W)	/	/	/	/	2770	2693	2615	2538	2460	2355	2250	2125	2000
	Air flow (CFM)	/	/	/	/	6359	6257	6156	6054	5953	5815	5676	5506	5335
125	**Fan speed (rpm)**	/	/	1073	1063	1052	1042	1032	1018	1006	997	982	970	955
	Power input (W)	/	/	2873	2756	2640	2555	2470	2385	2300	2198	2095	1980	1865
	Air flow (CFM)	/	/	6238	6104	5971	5850	5729	5609	5488	5328	5168	5000	4832
150	**Fan speed (rpm)**	1105	1094	1075	1065	1055	1045	1035	1021	1008	999	984	972	957
	Power input (W)	2990	2870	2750	2630	2510	2418	2325	2233	2140	2040	1940	1835	1730
	Air flow (CFM)	6153	6010	5868	5725	5582	5443	5303	5163	5024	4841	4659	4494	4329

Continued: SRTC-150CWN1-R(G)

175	**Fan speed (rpm)**	1109	1098	1081	1069	1058	1048	1038	1024	1009	1002	986	/	/
	Power input (W)	2800	2693	2585	2478	2370	2276	2183	2089	1995	1898	1800	/	/
	Air flow (CFM)	5729	5584	5438	5293	5147	5004	4860	4717	4574	4394	4215	/	/
200	**Fan speed (rpm)**	1112	1101	1087	1074	1061	1051	1041	1027	1012	/	/	/	/
	Power input (W)	2610	2515	2420	2325	2230	2135	2040	1945	1850	/	/	/	/
	Air flow (CFM)	5306	5157	5009	4860	4712	4565	4418	4271	4124	/	/	/	/
225	**Fan speed (rpm)**	1113	1102	1089	1078	1064	1053	/	/	/	/	/	/	/
	Power input (W)	2480	2378	2275	2173	2070	1985	/	/	/	/	/	/	/
	Air flow (CFM)	4876	4726	4575	4424	4274	4128	/	/	/	/	/	/	/
250	**Fan speed (rpm)**	1115	1104	1090	/	/	/	/	/	/	/	/	/	/
	Power input (W)	2350	2240	2130	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	4447	4294	/	/	/	/	/	/	/	/	/	/	/
275	**Fan speed (rpm)**	1116	1106	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	2110	2045	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	3841	3787	/	/	/	/	/	/	/	/	/	/	/
300	**Fan speed (rpm)**	1117	/	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	1870	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	3235	/	/	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

SRTC-200CWN1-R(G)

[5.5kw Standard static pressure Motor. Fixed Pulley：SPA190*2*2012;Adjustable pulley：VAR139A2-1615; Belt：SPA1407*2]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	922	904	891
	Power input (W)	/	/	/	/	/	/	/	/	/	/	3200	3112	3023
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	7912	7787	7662
25	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	923	907	893
	Power input (W)	/	/	/	/	/	/	/	/	/	/	3105	3006	2907
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	7638	7513	7389
50	**Fan speed (rpm)**	/	/	/	/	/	977	969	957	946	938	925	910	895
	Power input (W)	/	/	/	/	/	3505	3410	3315	3220	3115	3010	2900	2790
	Air flow (CFM)	/	/	/	/	/	7988	7871	7753	7635	7500	7365	7240	7115
75	**Fan speed (rpm)**	/	/	/	1000	989	980	972	959	949	939	926	914	899
	Power input (W)	/	/	/	3623	3450	3353	3255	3158	3060	2960	2860	2758	2655
	Air flow (CFM)	/	/	/	7925	7782	7655	7528	7401	7274	7157	7041	6921	6800
100	**Fan speed (rpm)**	/	1028	1016	1005	994	984	974	962	951	941	928	917	902
	Power input (W)	/	3825	3650	3475	3300	3200	3100	3000	2900	2805	2710	2615	2520
	Air flow (CFM)	/	7909	7759	7609	7459	7322	7185	7049	6912	6815	6718	6601	6485
125	**Fan speed (rpm)**	1044	1032	1017	1007	997	987	977	964	953	945	931	919	904
	Power input (W)	3855	3685	3515	3345	3175	3079	2983	2886	2790	2715	2640	2564	2488
	Air flow (CFM)	7735	7576	7418	7259	7100	6954	6807	6661	6515	6425	6335	6220	6104
150	**Fan speed (rpm)**	1047	1036	1018	1009	1000	990	980	967	955	947	932	920	907
	Power input (W)	3710	3545	3380	3215	3050	2958	2865	2773	2680	2625	2570	2513	2455
	Air flow (CFM)	7412	7244	7076	6909	6741	6585	6429	6274	6118	6035	5953	5838	5723

Continued: SRTC-200CWN1-R(G)

175	**Fan speed (rpm)**	1050	1040	1024	1013	1002	993	983	970	956	949	934	924	910
	Power input (W)	3590	3418	3245	3073	2900	2801	2703	2604	2505	2458	2410	2371	2333
	Air flow (CFM)	7076	6890	6704	6518	6332	6154	5975	5796	5618	5532	5447	5333	5220
200	**Fan speed (rpm)**	1054	1043	1029	1017	1005	996	986	973	958	950	/	/	/
	Power input (W)	3470	3290	3110	2930	2750	2645	2540	2435	2330	2290	/	/	/
	Air flow (CFM)	6741	6537	6332	6128	5924	5722	5521	5319	5118	5029	/	/	/
225	**Fan speed (rpm)**	1055	1044	1032	1021	1008	997	987	/	/	/	/	/	/
	Power input (W)	3300	3121	2943	2764	2585	2485	2385	/	/	/	/	/	/
	Air flow (CFM)	6312	6076	5841	5606	5371	5172	4974	/	/	/	/	/	/
250	**Fan speed (rpm)**	1056	1046	1033	1023	1009	/	/	/	/	/	/	/	/
	Power input (W)	3130	2953	2775	2598	2420	/	/	/	/	/	/	/	/
	Air flow (CFM)	5882	5616	5350	5084	4818	/	/	/	/	/	/	/	/
275	**Fan speed (rpm)**	1057	/	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	2950	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	5362	/	/	/	/	/	/	/	/	/	/	/	/
300	**Fan speed (rpm)**	1058	/	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	2770	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	4841	/	/	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

SRTC-250CWN1-R(G)

[5.5kw Standard static pressure Motor. Fixed Pulley：SPA315*2*2517;Adjustable pulley：VAR139A2-1615; Belt：SPA2150]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	/	537
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	/	4120
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	/	13120
25	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	547	539
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	4153	3936
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	12970	12630
50	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	558	549	540
	Power input (W)	/	/	/	/	/	/	/	/	/	/	4136	3942	3724
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	12570	12360	11881
75	**Fan speed (rpm)**	/	/	/	/	/	/	/	579	572	566	559	551	542
	Power input (W)	/	/	/	/	/	/	/	4375	4242	4086	3902	3702	3499
	Air flow (CFM)	/	/	/	/	/	/	/	12420	12160	11920	11830	11630	11276
100	**Fan speed (rpm)**	/	/	/	/	599	594	588	580	573	568	560	553	544
	Power input (W)	/	/	/	/	4370	4285	4199	4114	4028	3839	3651	3462	3273
	Air flow (CFM)	/	/	/	/	12115	12004	11894	11783	11672	11422	11171	10921	10671
125	**Fan speed (rpm)**	/	/	613	607	601	595	589	581	575	570	561	554	545
	Power input (W)	/	/	4730	4403	4180	4076	3972	3868	3765	3579	3393	3208	3022
	Air flow (CFM)	/	/	12386	12160	11657	11491	11324	11158	10992	10721	10449	10178	9907
150	**Fan speed (rpm)**	632	625	614	608	603	597	591	584	576	571	562	555	547
	Power input (W)	4908	4679	4449	4220	3990	3868	3746	3623	3501	3319	3136	2954	2771
	Air flow (CFM)	12300	12025	11749	11474	11199	10977	10755	10534	10312	10020	9727	9435	9143

Continued: SRTC-250CWN1-R(G)

175	**Fan speed (rpm)**	634	627	617	611	605	599	593	585	577	572	563	557	549
	Power input (W)	4613	4389	4165	3941	3717	3588	3458	3329	3200	3010	2820	2631	2441
	Air flow (CFM)	11685	11390	11095	10800	10506	10258	10011	9764	9516	9152	8788	8424	8060
200	**Fan speed (rpm)**	635	629	621	614	606	601	595	587	578	573	565	559	/
	Power input (W)	4317	4099	3881	3662	3444	3308	3171	3035	2898	2701	2505	2308	/
	Air flow (CFM)	11069	10755	10441	10127	9812	9539	9266	8994	8721	8285	7849	7413	/
225	**Fan speed (rpm)**	636	630	622	616	608	602	595	588	579	/	/	/	/
	Power input (W)	3976	3748	3521	3293	3066	2832	2715	2503	2301	/	/	/	/
	Air flow (CFM)	10314	9941	9568	9194	8821	8442	8146	7821	7503	/	/	/	/
250	**Fan speed (rpm)**	637	631	623	617	608	603	/	/	/	/	/	/	/
	Power input (W)	3635	3398	3161	2924	2687	2436	/	/	/	/	/	/	/
	Air flow (CFM)	9559	9126	8694	8262	7829	7276	/	/	/	/	/	/	/
275	**Fan speed (rpm)**	638	632	624	617	610	/	/	/	/	/	/	/	/
	Power input (W)	3175	2993	2811	2629	2447	/	/	/	/	/	/	/	/
	Air flow (CFM)	8393	8073	7753	7433	7112	/	/	/	/	/	/	/	/
300	**Fan speed (rpm)**	638	633	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	2714	2587	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	7227	7019	/	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

SRTC-300CWN1-R(G)

[5.5kw Standard static pressure Motor. Fixed Pulley：SPA300*2*2517;Adjustable pulley：VAR139A2-1615; Belt：SPA2150]														
ESP	**N**	**0**	**0.25**	**0.5**	**0.75**	**1**	**1.25**	**1.5**	**1.75**	**2**	**2.25**	**2.5**	**2.75**	**3**
(Pa)	**X**	**0.5**	**1**	**1.5**	**2**	**2.5**	**3**	**3.5**	**4**	**4.5**	**5**	**5.5**	**6**	**6.5**
0	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	/	564
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	/	5090
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	/	13986
25	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	/	/	/	/	565
	Power input (W)	/	/	/	/	/	/	/	/	/	/	/	/	4870
	Air flow (CFM)	/	/	/	/	/	/	/	/	/	/	/	/	13415
50	**Fan speed (rpm)**	/	/	/	/	/	/	/	/	599	594	586	576	567
	Power input (W)	/	/	/	/	/	/	/	/	5340	5170	4990	4810	4650
	Air flow (CFM)	/	/	/	/	/	/	/	/	13710	13523	13310	13106	12845
75	**Fan speed (rpm)**	/	/	/	/	/	/	/	608	601	595	587	579	569
	Power input (W)	/	/	/	/	/	/	/	5320	5095	4918	4735	4553	4380
	Air flow (CFM)	/	/	/	/	/	/	/	13320	13178	12969	12746	12529	12282
100	**Fan speed (rpm)**	/	/	/	/	629	623	617	609	602	596	588	581	571
	Power input (W)	/	/	/	/	5730	5510	5290	5070	4850	4665	4480	4295	4110
	Air flow (CFM)	/	/	/	/	13461	13257	13053	12850	12646	12414	12183	11951	11719
125	**Fan speed (rpm)**	/	/	/	/	631	625	619	611	603	598	589	582	573
	Power input (W)	/	/	/	/	5465	5250	5035	4820	4605	4420	4235	4050	3865
	Air flow (CFM)	/	/	/	/	13014	12791	12567	12344	12121	11878	11636	11394	11151
150	**Fan speed (rpm)**	/	/	645	639	633	627	621	613	605	600	590	583	574
	Power input (W)	/	/	5705	5453	5200	4990	4780	4570	4360	4175	3990	3805	3620
	Air flow (CFM)	/	/	13041	12804	12568	12325	12081	11838	11595	11342	11089	10836	10583
175	**Fan speed (rpm)**	665	659	648	642	635	629	623	614	605	601	592	585	576
	Power input (W)	5900	5654	5408	5161	4915	4706	4498	4289	4080	3893	3705	3518	3330
	Air flow (CFM)	13038	12790	12543	12295	12048	11784	11521	11257	10994	10701	10407	10114	9821

Continued: SRTC-300CWN1-R(G)

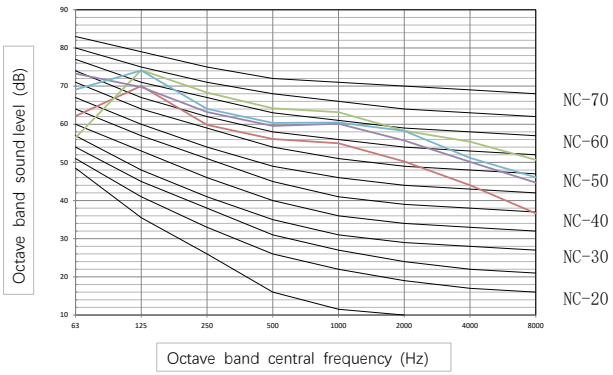
200	**Fan speed (rpm)**	667	661	652	644	637	631	624	616	607	602	593	587	578
	Power input (W)	5590	5350	5110	4870	4630	4423	4215	4008	3800	3610	3420	3230	3040
	Air flow (CFM)	12562	12303	12045	11786	11528	11244	10960	10676	10392	10059	9726	9392	9059
225	**Fan speed (rpm)**	668	661	653	647	638	632	625	618	608	603	595	/	/
	Power input (W)	5290	5045	4800	4555	4310	4090	3870	3650	3430	3215	3000	/	/
	Air flow (CFM)	12005	11724	11442	11161	10879	10528	10177	9825	9474	9013	8551	/	/
250	**Fan speed (rpm)**	669	662	654	648	639	633	627	619	609	/	/	/	/
	Power input (W)	4990	4740	4490	4240	3990	3758	3525	3293	3060	/	/	/	/
	Air flow (CFM)	11448	11144	10839	10535	10231	9812	9393	8975	8556	/	/	/	/
275	**Fan speed (rpm)**	669	664	655	648	640	634	628	620	/	/	/	/	/
	Power input (W)	4620	4359	4098	3836	3575	3324	3064	2810	/	/	/	/	/
	Air flow (CFM)	10711	10343	9975	9608	9240	8890	8546	8203	/	/	/	/	/
300	**Fan speed (rpm)**	670	664	656	649	/	/	/	/	/	/	/	/	/
	Power input (W)	4250	3978	3705	3433	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	9974	9542	9111	8680	/	/	/	/	/	/	/	/	/
325	**Fan speed (rpm)**	671	665	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	3630	3250	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	8806	8360	/	/	/	/	/	/	/	/	/	/	/
350	**Fan speed (rpm)**	672	/	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	3360	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	8090	/	/	/	/	/	/	/	/	/	/	/	/

Notes:

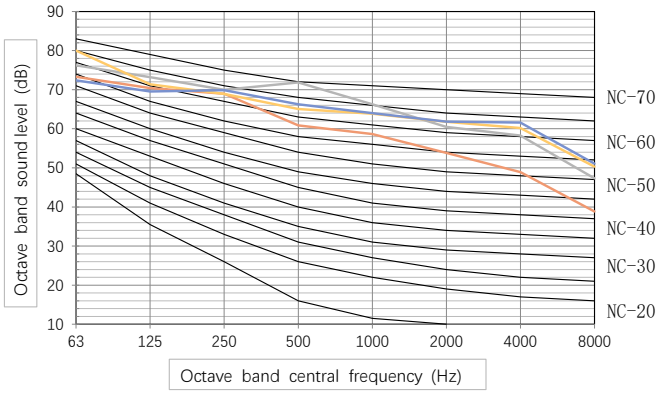
1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.

8. Noise Criteria (NC) Curve

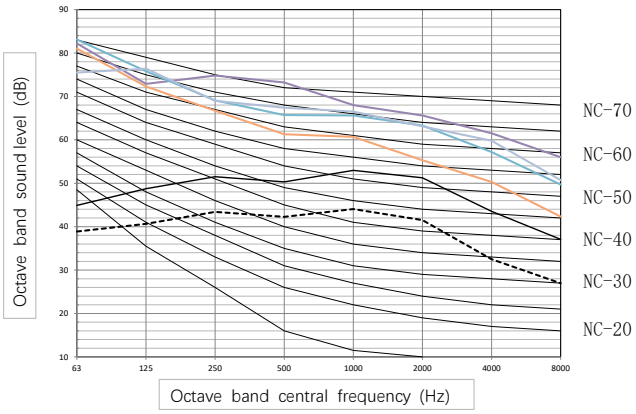
SRTC-050CWN1-R(G) octave band levels



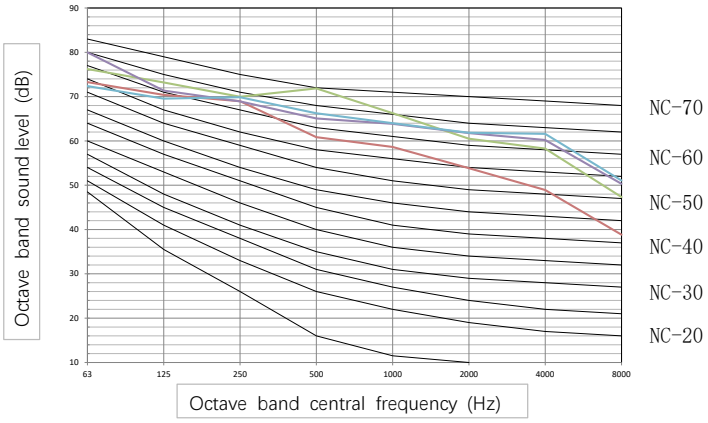
SRTC-075CWN1-R(G) octave band levels



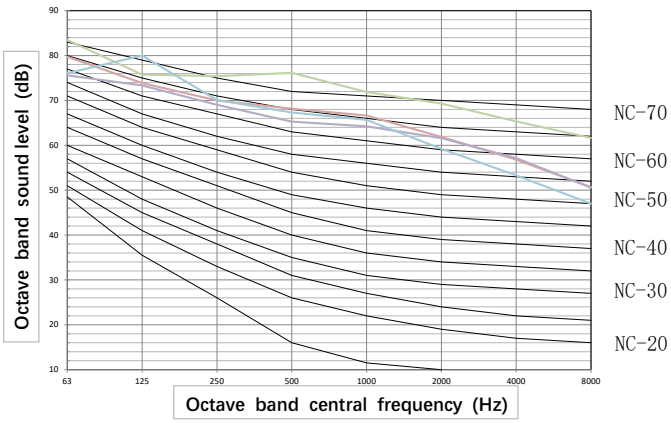
SRTC-085CWN1-R(G) octave band levels



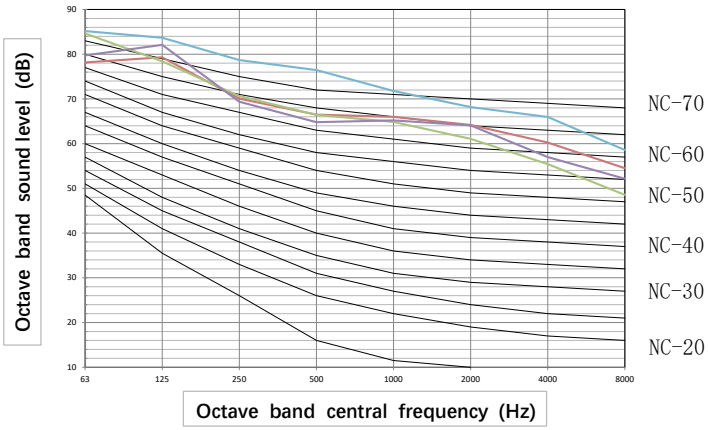
SRTC-100CWN1-R(G) octave band levels



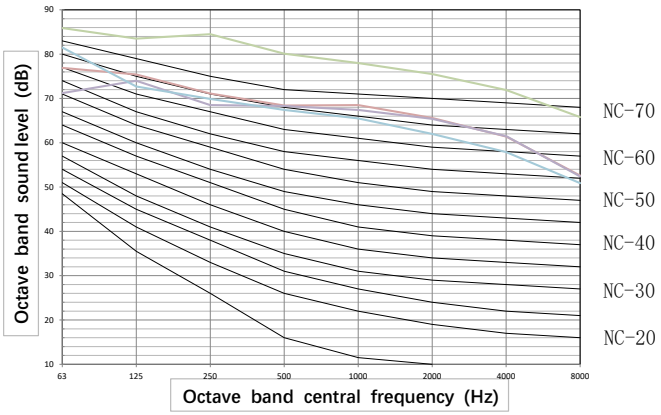
SRTC-125CWN1-R(G) octave band levels



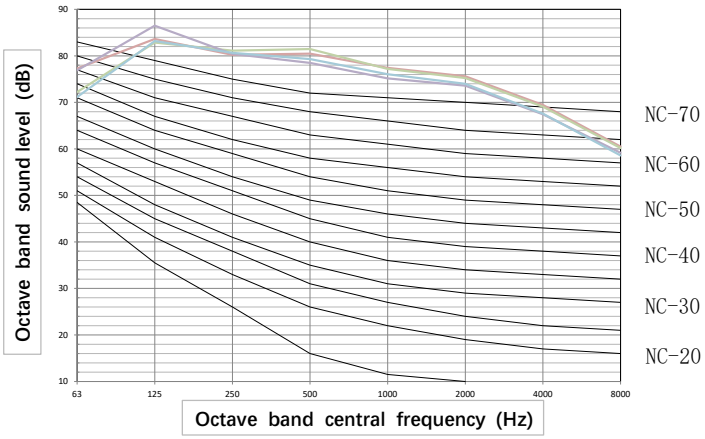
SRTC-150CWN1-R(G) octave band levels



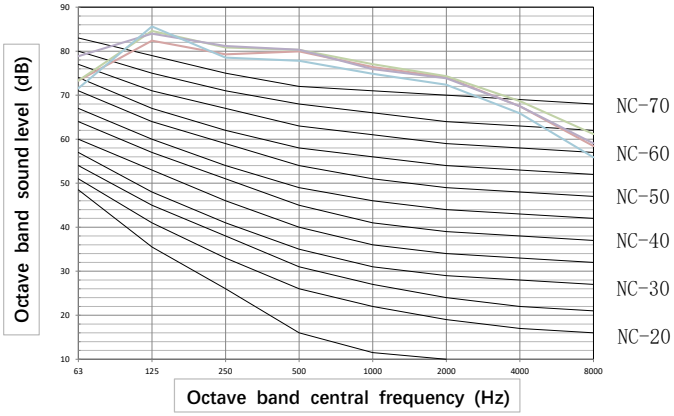
SRTC-200CWN1-R(G) octave band levels



SRTC-250CWN1-R(G) octave band levels

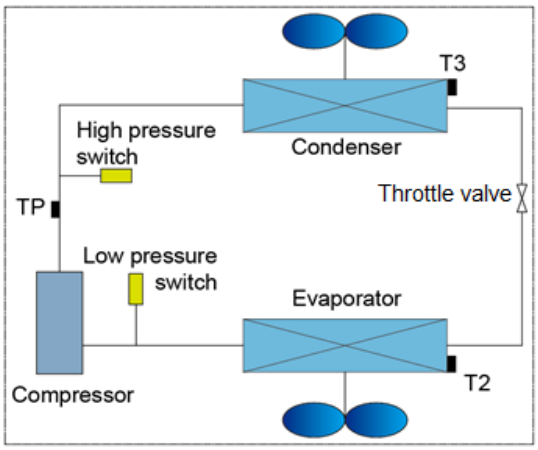


SRTC-300CWN1-R(G) octave band levels

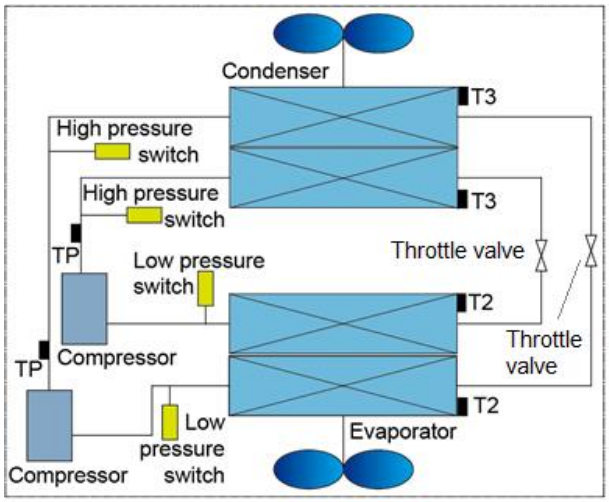


9. Refrigerant Cycle Diagram

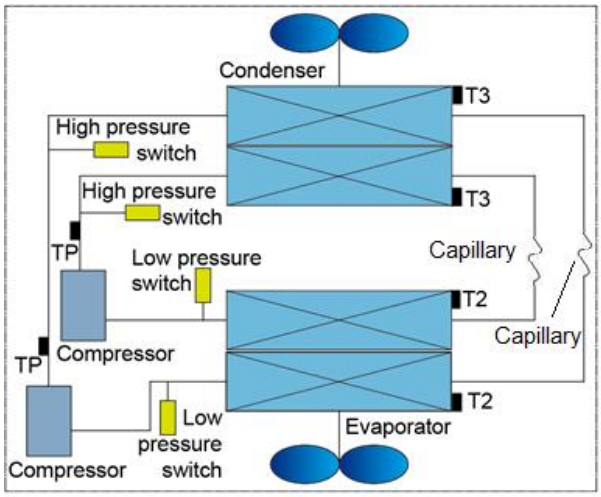
SRTC-050CWN1-R(G):



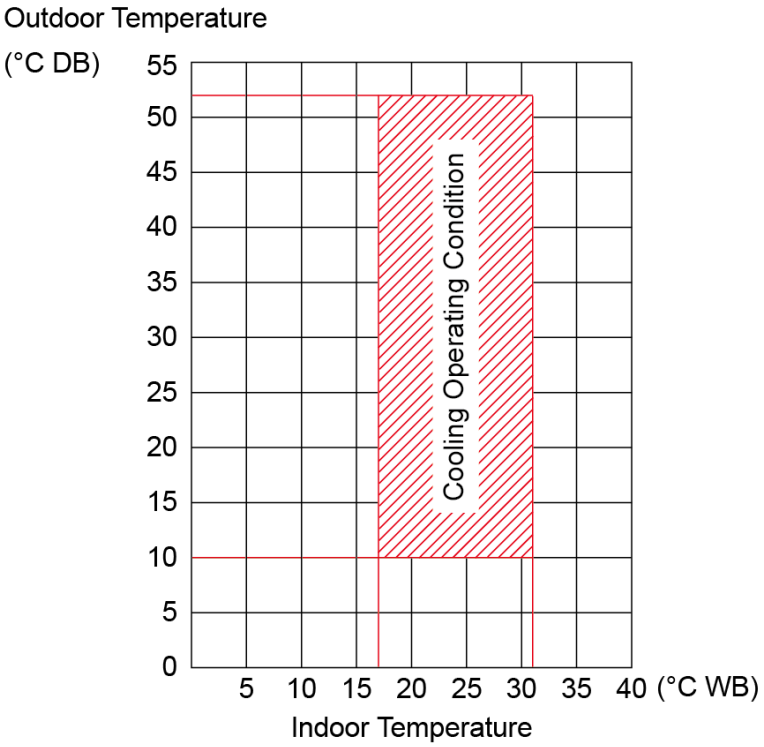
SRTC-075CWN1-R(G), SRTC-085CWN1-R(G), SRTC-100CWN1-R(G), SRTC-125CWN1-R(G), SRTC-150CWN1-R(G):



SRTC-200CWN1-R(G), SRTC-250CWN1-R(G), SRTC-300CWN1-R(G):



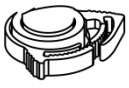
10.Operation Limits



	Outdoor temperature	Indoor temperature
Cooling only mode	10°C~52°C	17°C~31°C

Room relative humidity should be less than 80%. If the unit operates in excess, the surface of the unit may attract condensation.

11. Accessories

Item	Quantity	Shape
User manual	1	----------
Drain outlet	1	
Snap ring	1	
Drain pipe	1	
Wired controller & wires (optional)	1	

Part. 3 Installations

1. General Information

Warning and cautions appear at appropriate locations throughout this manual. Read these carefully, please.

Caution:

- ✧ Read this entire manual before beginning installation procedures.
- ✧ Body injury can result from high voltage electrical components, fast moving fans. For protection from these inherent hazards during installation and servicing, the electrical supply must be disconnected.
- ✧ If operating checks must be performed with the unit operating, it is the technicians responsibility to recognize these hazards and proceed safely.

Warning:

- ✧ Never replace a fuse with that of wrong rated current or other wires when a fuse blows out. Use of wire or copper wire may cause the unit to break down or cause a fire.
- ✧ Do not insert fingers, rods or other objects into the air inlet or outlet. When the fan is rotating at high speed, it will cause injury.
- ✧ Never use a flammable spray such as hair spray, lacquer or paint near the unit. It may cause a fire.
- ✧ Keep far away from high-frequency equipment. Also, keep away from the following places: A place where it is full of oil, gas; Places where salty air surrounding (near the coast); A place where is caustic gas (the sulfide in hot spring); Location in above places may cause malfunction or shorten the life span of the machine.
- ✧ In the case of extremely strong wind, please prevent the air from flowing backwards into the outside.
- ✧ Snow canopy is necessary in snowfall places on the outside.
- ✧ In the frequent thunderstruck place, lighting proof action should be taken.
- ✧ The refrigerant in the air conditioner is safe and normally does not leak.
- ✧ The temperature of refrigerant circuit will be high, please keep the interconnection cable away from the copper tube.
- ✧ The appliance should not be used by children without supervision.

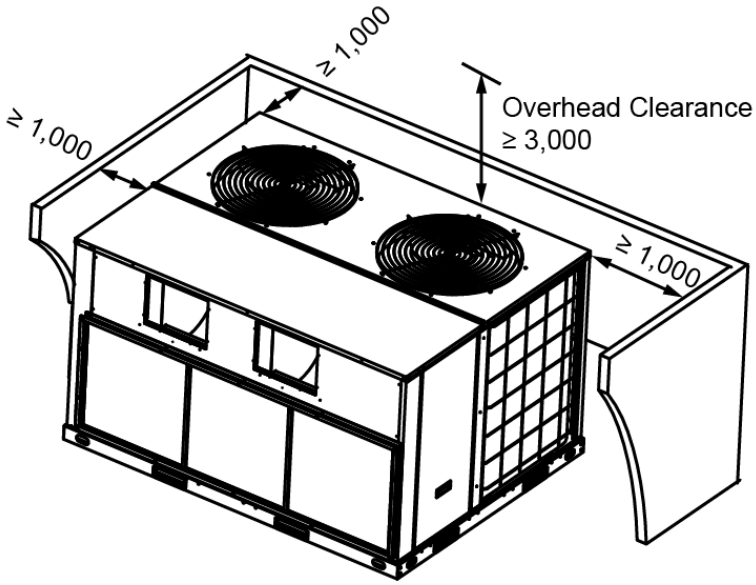
2. Recommendations

2.1 Horizontal airflow application

- ✧ These units are designed and certified for outdoor installation. These units may be installed directly on wood flooring or on Class A, Class B and Class C roof covering material.
- ✧ Location of the unit must allow service clearance around it. Clearance of the unit must be given careful consideration.
- ✧ Check the handling facilities to ensure the safety of personnel and the units.
- ✧ Caution must be taken at all times to avoid personal injuries and damage to equipment.
- ✧ Unit must be mounted level for proper drainage of water through the holes in the base pan.
- ✧ Unit must not be exposed to direct roof water run-off.
- ✧ Flexible duct connectors must be of a flame retardant material. All duct work outside of the structure must be insulated and weatherproofed in accordance with local codes.
- ✧ Holes through exterior walls must be sealed in accordance with local codes.
- ✧ All fabricated outdoor ducts should be as short as possible.

2.2 Clearances

- ✧ The recommended clearances for single-unit installations reference to the following figure. These requirements are not only an important consideration when determining unit placement, but they are also essential to ensure adequate serviceability, maximum capacity, and peak operating efficiency.

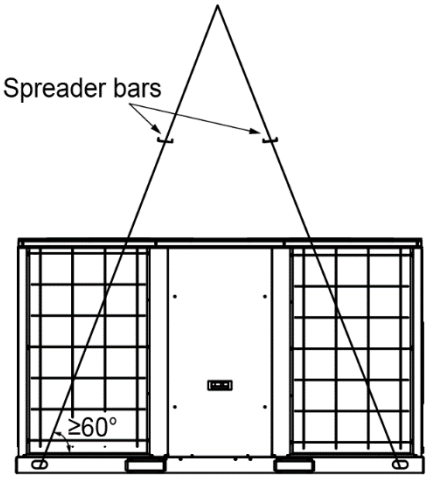


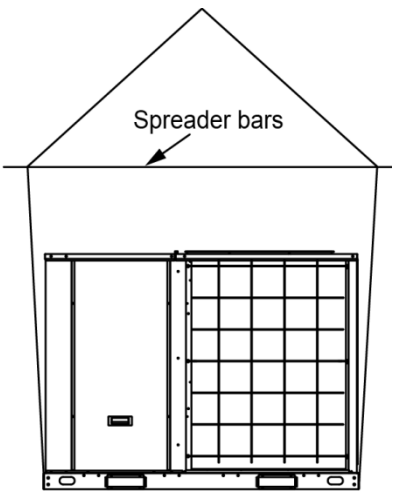
(Unit: mm)

- ✧ Any reduction of the unit clearances indicated in these pictures may result in condenser coil starvation or the recirculation of warm condenser air. Actual clearances which appear to be inadequate should be reviewed.

3. Lifting

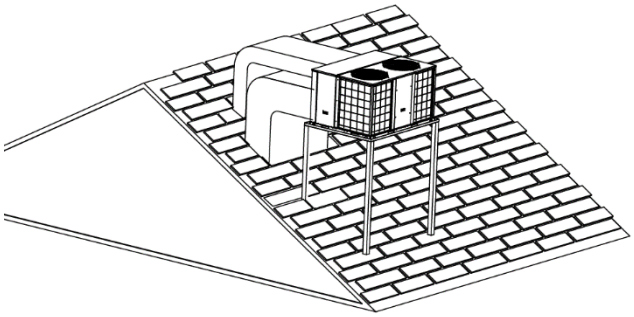
- ✧ Rigging cables should have adequate capability to resist 3 times weight of unit. Before lift, please check and ensure that hooks are holding tightly to unit and lifting angles are no less than 60°.
- ✧ Cloth material or hard-paper should be padded in the contact place between unit and rigging cable. Rigging cable should be entwined a round at the hook for prevent danger by cable slip because of weight unbalance.
- ✧ During lifting, anyone forbidden lingering under the lifting unit.





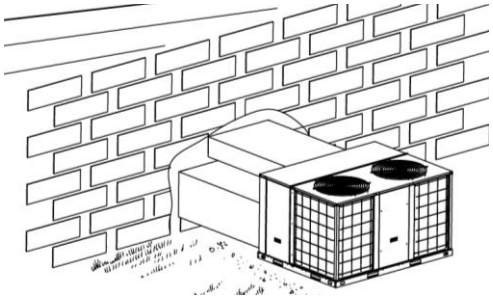
4. Installation

4.1 For roof top applications using a field fabricated frame and ducts:



- ✧ The frame must be located and secured by bolting or welding to the roof. Flashing is required.
- ✧ The hole in the roof must be prepared in advance of installing the unit.
- ✧ Secure the ducts to the roof.
- ✧ Place the unit to the frame or roof curb.
- ✧ Insulate any ductwork outside of the structure with at least 2 inches of insulation and then weatherproof. There must be a weatherproof seal where the duct enters the structure.
- ✧ Complete the installation according to the instructions.
- ✧ Typical rooftop application with frame.

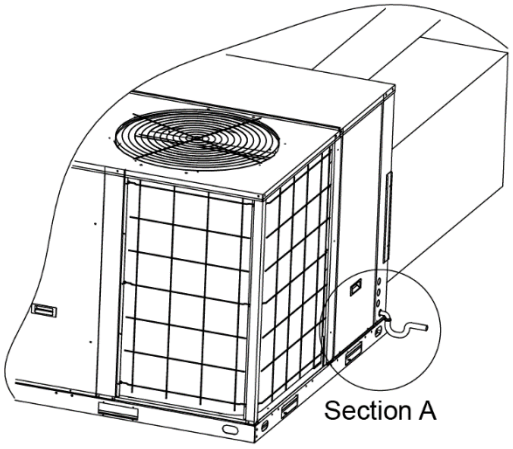
4.2 For ground level installations:

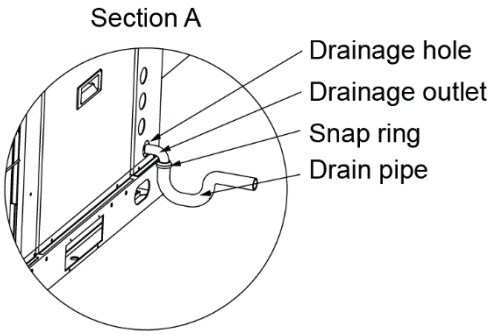


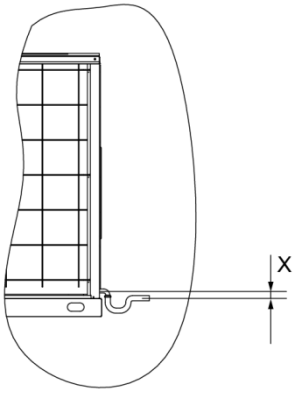
- ✧ The unit should be positioned on a pad in the size of the unit or larger. The unit must be level on the pad. The pad must not come in contact with the structure. Be sure the outdoor portion of the supply and return air ducts are as short as possible.
- ✧ Place the unit on the pad.

- ✧ Attach the supply and return air ducts to the unit.
- ✧ Insulate any ductwork outside of the structure with at least 2 inches of insulation and weatherproof. There must be a weatherproof seal where the duct enters the structure.
- ✧ Complete the installation.

5. Condensate Drainage

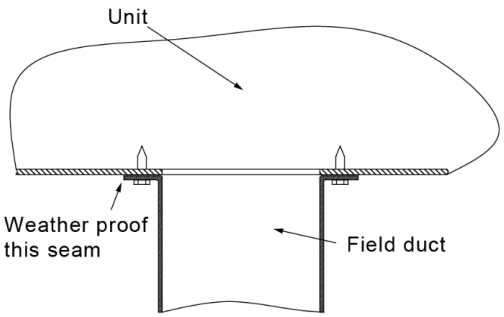






Model	X value (mm)	Model	X value (mm)
SRTC-050CWN1-R(G)	20 ≤ X ≤ 40	SRTC-075CWN1-R(G)	20 ≤ X ≤ 40
SRTC-085CWN1-R(G)	20 ≤ X ≤ 40	SRTC-100CWN1-R(G)	20 ≤ X ≤ 40
SRTC-125CWN1-R(G)	20 ≤ X ≤ 40	SRTC-150CWN1-R(G)	20 ≤ X ≤ 40
SRTC-200CWN1-R(G)	20 ≤ X ≤ 40	SRTC-250CWN1-R(G)	20 ≤ X ≤ 40
SRTC-300CWN1-R(G)	20 ≤ X ≤ 40		

6. Duct Work



- ✧ All conditioned air ductwork should be insulated to minimize heating and cooling duct losses. Use a minimum of 2 inches of insulation with a vapor barrier. The outside ductwork must be weatherproofed between the unit and the building.
- ✧ When attaching ductwork to a horizontal unit, provide a flexible watertight connection to prevent noise transmission from the unit to the ducts. The flexible connection must be indoors and made out of heavy canvas.
- ✧ Do not draw the canvas taut between the solid ducts.
- ✧ At least 1m flame resistant layer must be laid at the end of air duct internal surface.

7. Electrical Wiring

7.1 Warning

- ✧ An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.
- ✧ The appliance shall be installed in accordance with national wiring regulations.
- ✧ An all-pole disconnection device which has at least 3mm separation distance in all pole and a residual current device (RCD) with the rating of above 10mA shall be incorporated in the fixed wiring according to the national rule.
- ✧ The appliance shall be installed in accordance with national wiring regulations.

7.2 Wiring provision

- ✧ The units are internally wired at the factory according to generally accepted electrical technology.

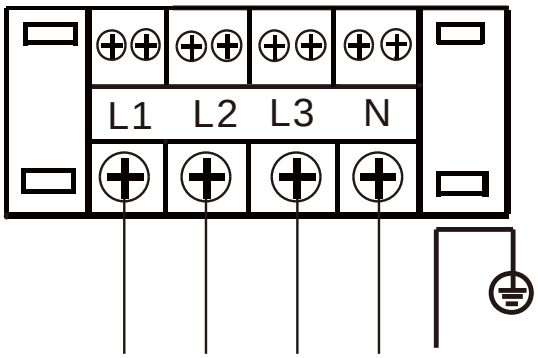
- ✧ Main power wiring to the unit control wiring between the control center and the unit, and earth wiring are required in the field.
- ✧ The following components are required: main power fuses; conduit coupling.
- ✧ Wire and fuse sizes should be selected in accordance with national and standard, taking the designed maximum current shall be the total of the compressor maximum current, condenser fan motor current and evaporator fan motor current.
- ✧ The wire size between the wired controller and the unit should be determined according to the following table, because the 24V power source is applied to the control circuit.

Wiring length between wired controller and unit (One way)					
Min. wire size (mm2)	10m	15m	20m	30m	40m
	0.5	0.5	0.75	0.75	1.0

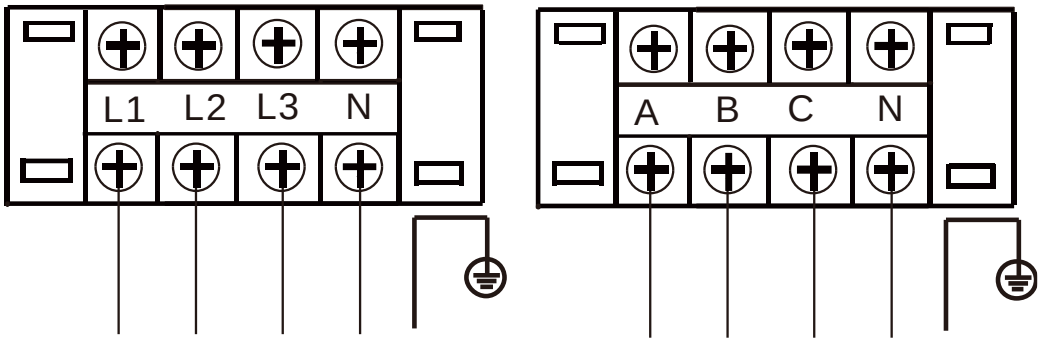
- ✧ Main power supply parameters:

Model	Main power	Main power switch/A	Fuse/A	Wires for power supply	Type of wires
SRTC-050CWN1-R(G)	380-415 3N~ 50Hz	25	25	5x2mm2	5 x UL1015 14AWG
SRTC-075CWN1-R(G)		30	30	5×3mm²	5 x UL1015 12AWG
SRTC-085CWN1-R(G)		35	35	5×5mm²	5 x UL1015 10AWG
SRTC-100CWN1-R(G)		40	40	5×8mm²	5 x UL1015 8AWG
SRTC-125CWN1-R(G)		50	50	5×8mm²	5 x UL1015 8AWG
SRTC-150CWN1-R(G)		50	50	5×13mm²	5 x UL1015 6AWG
SRTC-200CWN1-R(G)		80	80	4×33mm² + 1×16mm²	4 x UL1015 2AWG 1 x UL1015 6AWG
SRTC-250CWN1-R(G)		110	110	4×33mm² + 1×16mm²	4 x UL1015 2AWG 1 x UL1015 6AWG
SRTC-300CWN1-R(G)		125	125	4×33mm² + 1×16mm²	4 x UL1015 2AWG 1 x UL1015 6AWG

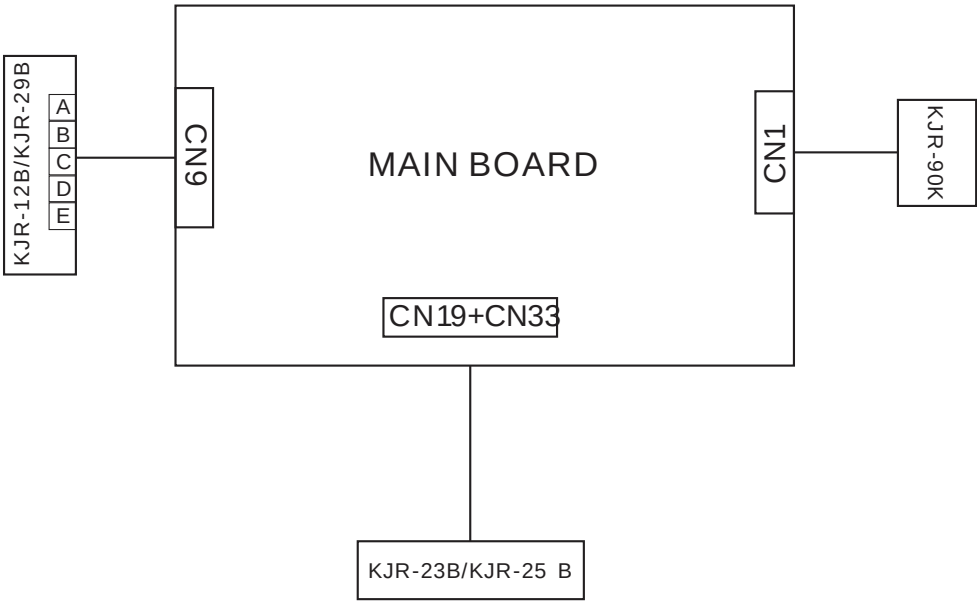
- ✧ Power supply wiring diagram



Next wire joint also available:



✧ Wired controller wiring diagram



8. Start-Up

Before starting unit:

- ✧ Is the unit properly located and level with the proper clearance?
- ✧ Is the duct work correctly sized, run, taped, insulated, and weatherproofed with proper unit arrangement?
- ✧ Is the wiring properly sized and run according to the unit wiring diagram?
- ✧ Are all the wiring connections tight, including those in the unit?
- ✧ Has the unit been properly grounded and fused with the recommended fuse size?
- ✧ Has the air conditioning system been checked at the service ports for charge and leak tested if necessary?
- ✧ Does the condenser fan and indoor blower fan free without rubbing, and are they tight on the shafts?
- ✧ Are all covers and access panels in place to prevent air loss and safety hazards?

Starting the unit:

- ✧ When the unit operates under cooling mode, please check the line voltage of the unit. The voltage should be within the range shown on the unit nameplate.
- ✧ If low voltage is encountered, check the size and the length of power supply wire from the main disconnect to the unit. The line may be undersized for the length of the run.

Shut-down the unit:

- ✧ Place the system selector in the OFF position or reset thermostat (Wired controller) at a setting above room temperature.
- ✧ Do not de-energize the main power supply disconnect except when unit is to be serviced.

9. Safety Control

Functions

- ✧ Minutes delay for the compressor start-up:

  At the beginning of energizing, 3-minutes delay should be taken to start the compressor. While after the stop of the compressor, 7-minutes delay should be taken to restart the compressor.

- ✧ Compressor discharge temperature protection:

  When the temperature of compressor discharge is higher than 125°C (257°F), the compressor will stop. Once the temperature is lower than 90°C (194°F), the compressor can be started again.

- ✧ Reverse phase protection relay:

  The reverse phase protection relay will make the unit not start, when the power supply source is in correctly conneted.

  The checking of phase order is just carried out at the first time of electrifying. If malfunction happens then the checking will be going on until the order of phase is right, and the error code will be displayed on the board. If there is no problem in the first checking, then it will be omitted.

- ✧ High pressure and low pressure protection :

  When high pressure is equal or higher than 638 Psi, and lower pressure is equal or lower than 21Psi, the unit will stop.

Error & protection code

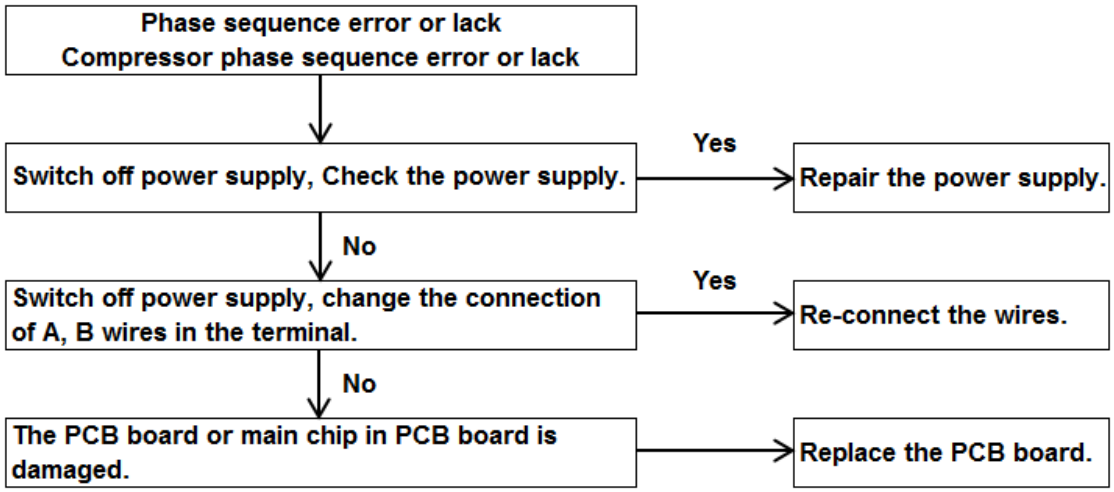
Type	Content	Code	Remarks
Normal	Standby	------	In use 24 v wire control device, temperature reached set value, also shows ---
Normal	Constraint cool	ON	
Normal	Run	10.	
Normal	Defrosting	0DF	Not included in the history of fault record, and not to wire control device
Error	Power supply phase sequence error	0E1	Unit shall be power off to recovery
Error	Outdoor coil sensor(T3) error	xE2	
Error	Indoor coil sensor(T2) error	xE3	
Error	Outdoor ambient sensor(T4) error	0E4	
Error	Indoor sensor(T1) error	0E5	
Error	Over current protection is active 3 times within 1 hour	xE6	Unit shall be power-off to recovery
Error	A/B system T2 anti-freeze protection cross connection error	0E7	
Error	Output fault of the wire controller/communication fault between the wire controller and the mainboard	0Eb	
Error	Error in model selection (jumper/dial code)	0EC	
Error	Wire controller collision class error	0Ed	If the motherboard detects at least two signals of 25B/23B, 12B/29B and 90K at the same time
Error	EEPROM	0EE	
Error	Communication failure between electric control board and centralized controller	0EL	
Protection	Overcurrent protection for indoor fan	0P0	
Protection	Protection for high pressure	xP1	
Protection	Protection for Low pressure or exhaust temp	xP2	
Protection	Compressor overcurrent protection	xP3	
Protection	Comprehensive protection for outdoor fan	0P4	
Protection	Protection for condenser Hi-temp(T3)	xP5	
Protection	Hi-temp protection initiated in T2 evaporator stops the outdoor fan	0P6	
Protection	Hi-temp protection initiated in T2 evaporator stops the outdoor unit fan and compressor	0P7	
Protection	Protection for VFD	0P8	Reserved
Protection	Protection for DC motor stall	0P9	
Protection	Anti-freezing protection for evaporator	xPA	
Error	Low pressure protection or exhaust temp protection reached 3 times	xH5	Unit shall be power off to recovery
Error	Send/return air short-circuit error	0H6	When T1 < 15°C, the cooling mode cannot be turned on；Unit shall be power off to recovery

Continue:

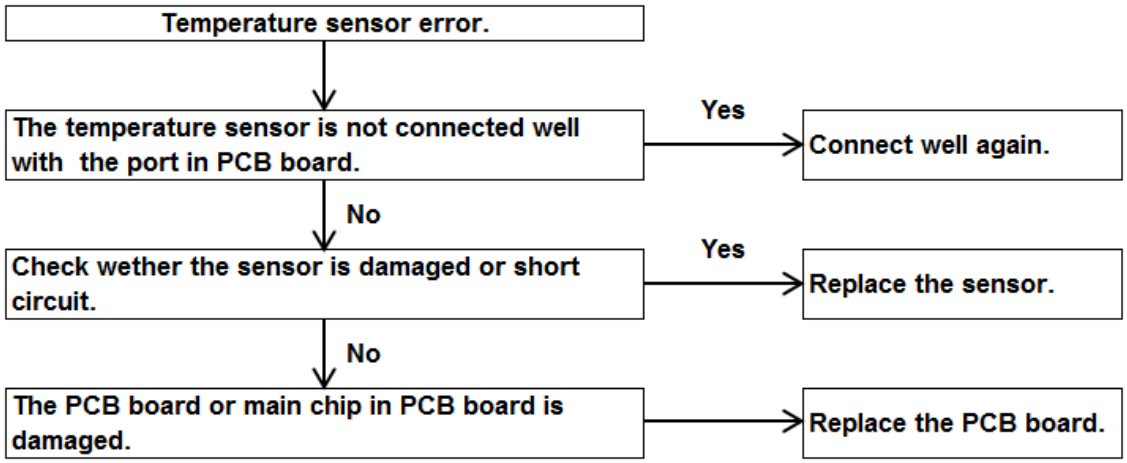
Type	Content	Code	Remarks
Error	DC motor stall error	0H9	A total of 10 stall protectors occurred within 2 hours
Protection	Protection for low ambient temp(T4/T1)	AtL	When T4 < 10℃, the cooling mode cannot be turned on; when T4 < -11℃, the heating mode cannot be turned on;
Protection	Mode lock or emergency stop	0A0	Don't give signalling centralized controller
Protection	Wire controller lock	0A1	

Note: 'x' is a placeholder for the compressor system, with 1 representing compressor system A and 2 representing compressor system B.

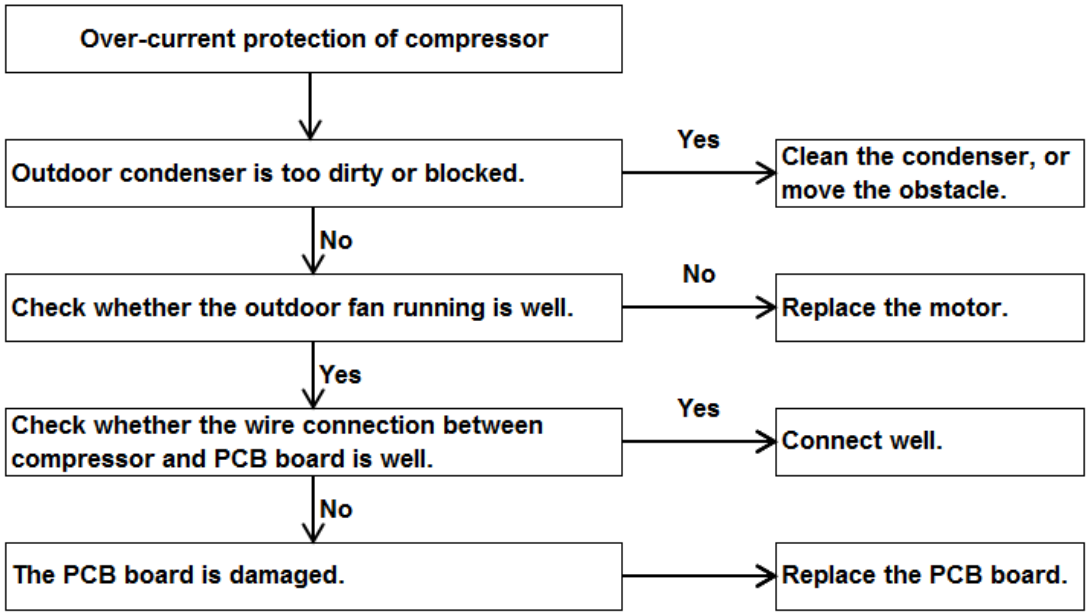
Phase sequence error or phase default / Compressor sequence error or phase default :



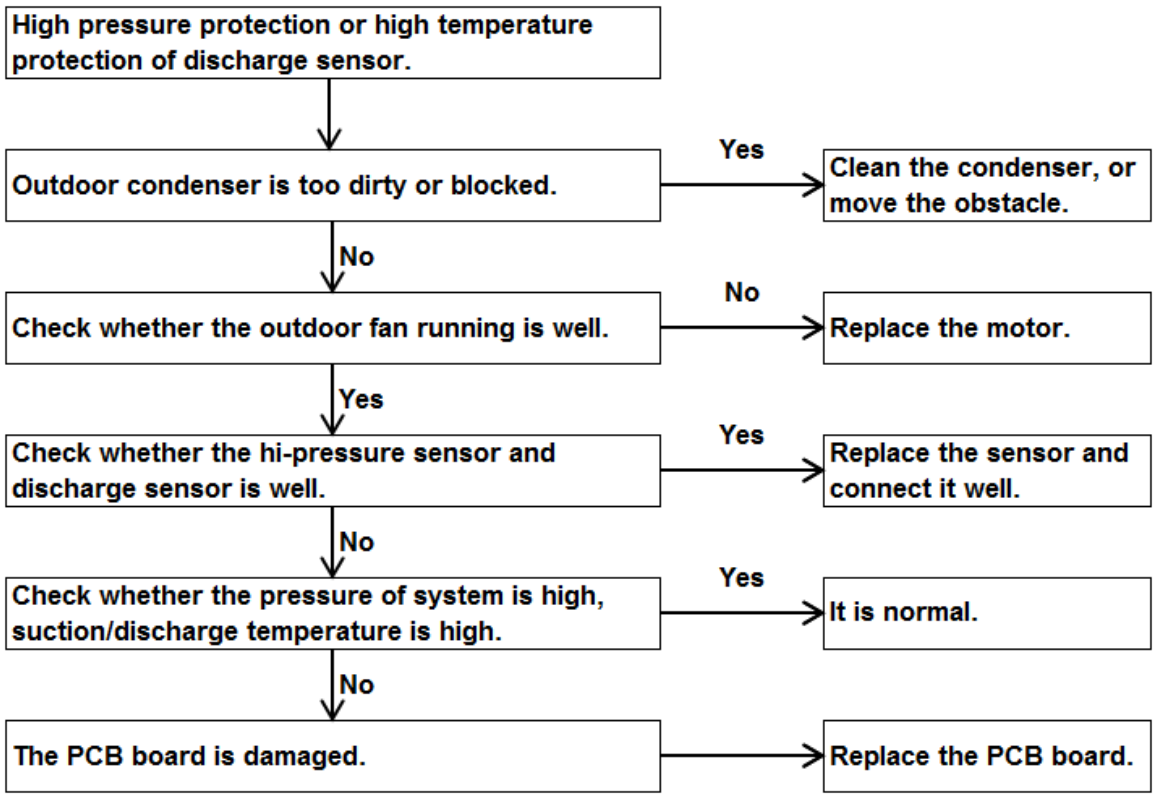
Evaporator pipe temperature sensor (T2) error / Condenser pipe temperature sensor (T3) error / Ambient temperature sensor (T4) error / Indoor side room temperature sensor (T1) error :



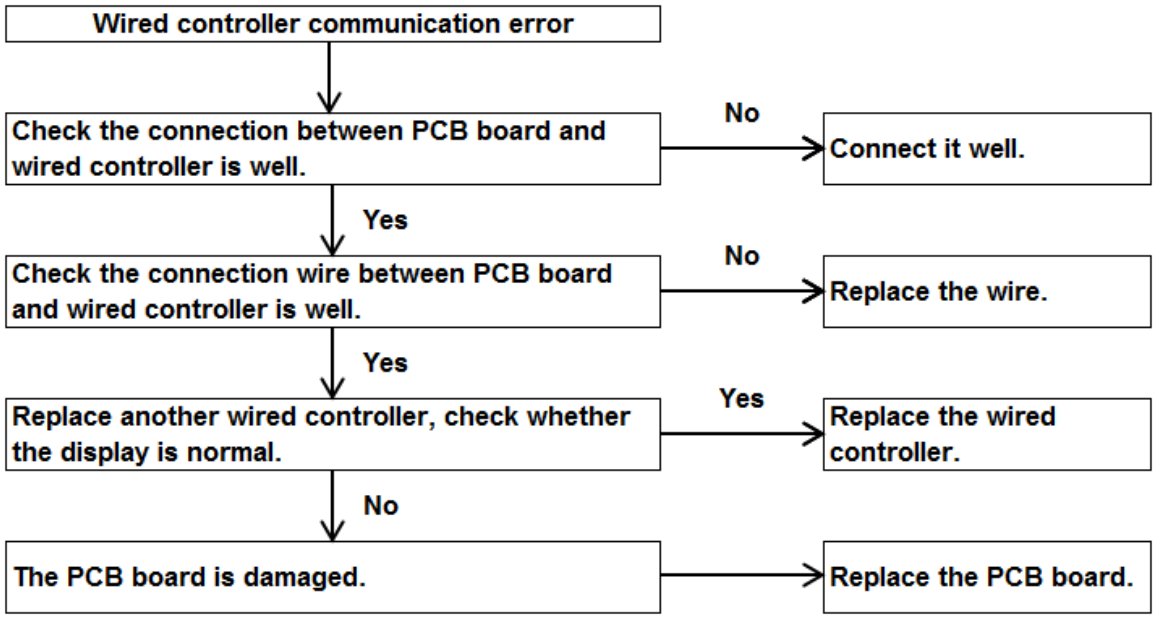
Over-current protection of compressor:



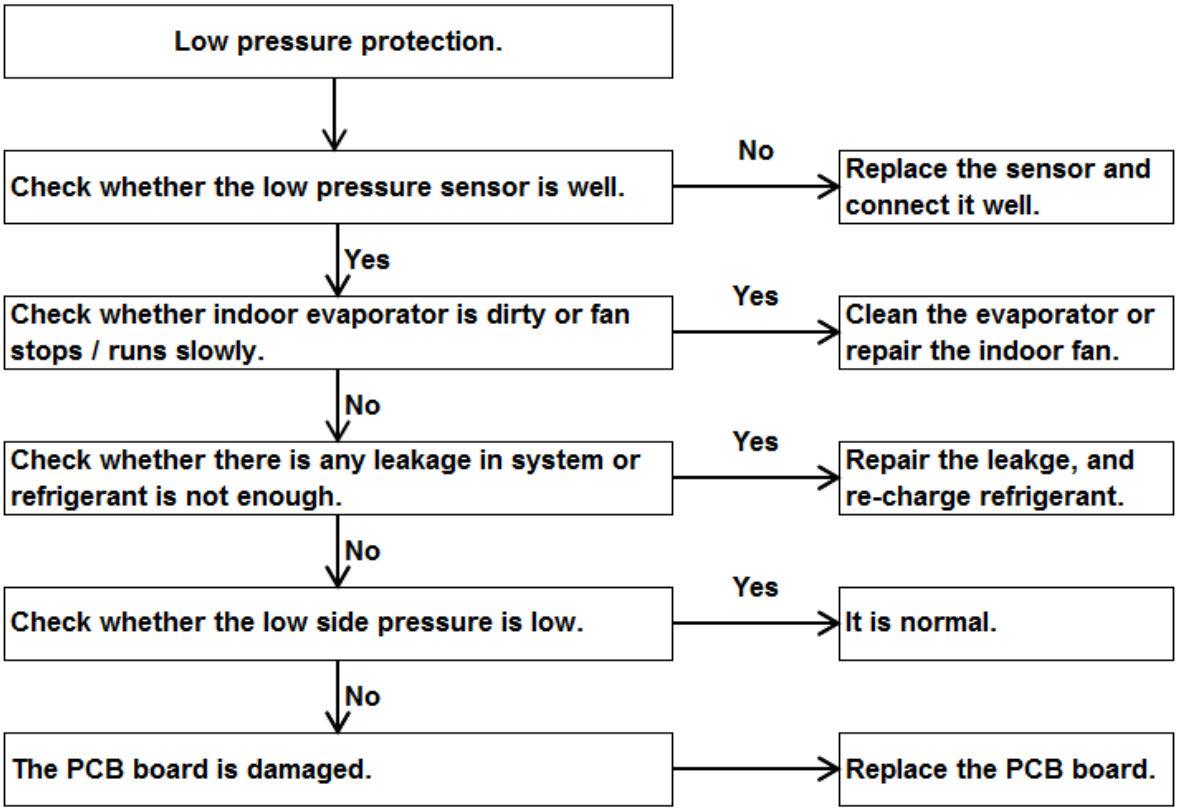
High pressure protection / High discharge temperature protection :



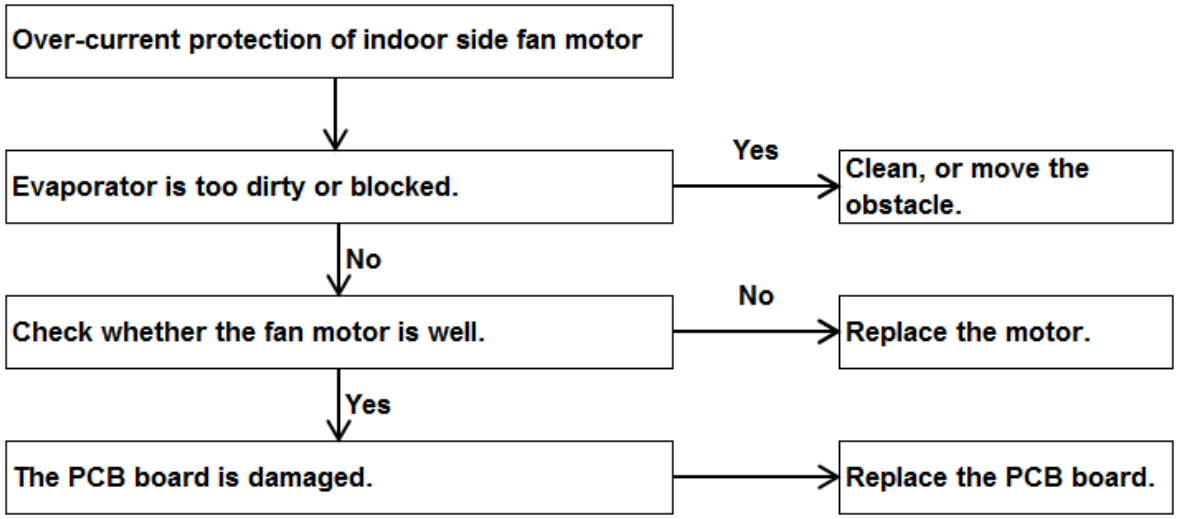
Wired controller communication error :



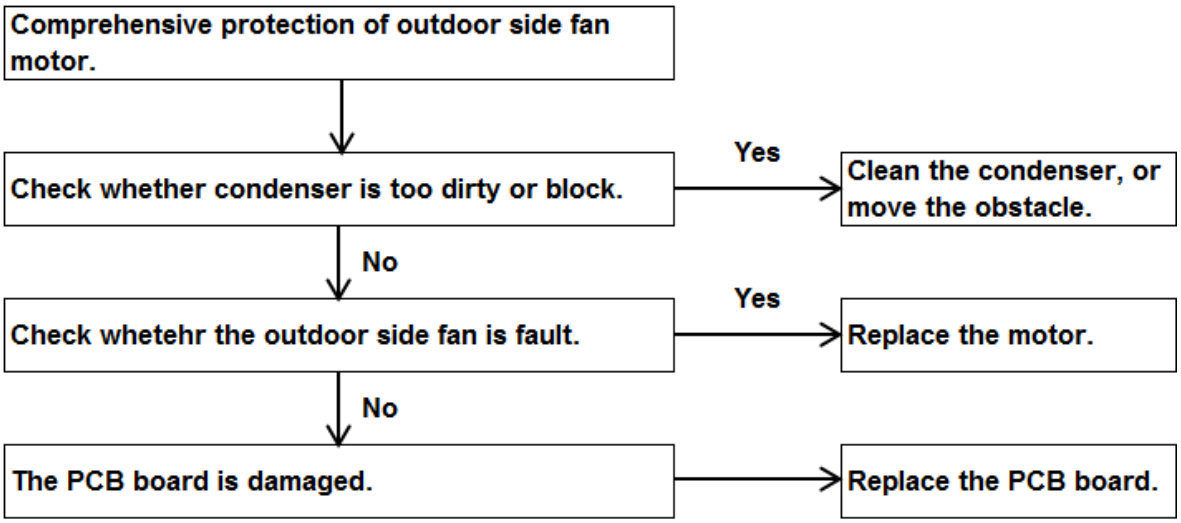
Low pressure protection :



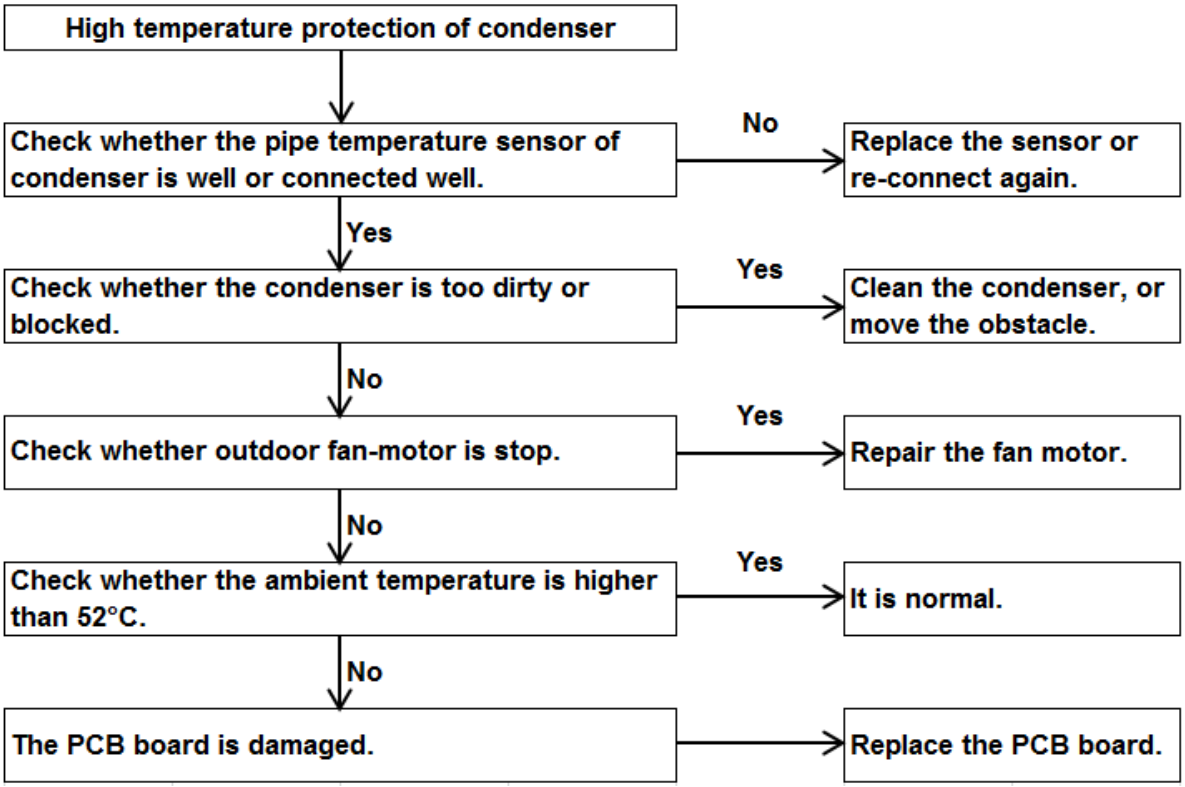
Over-current protection of indoor side fan motor :



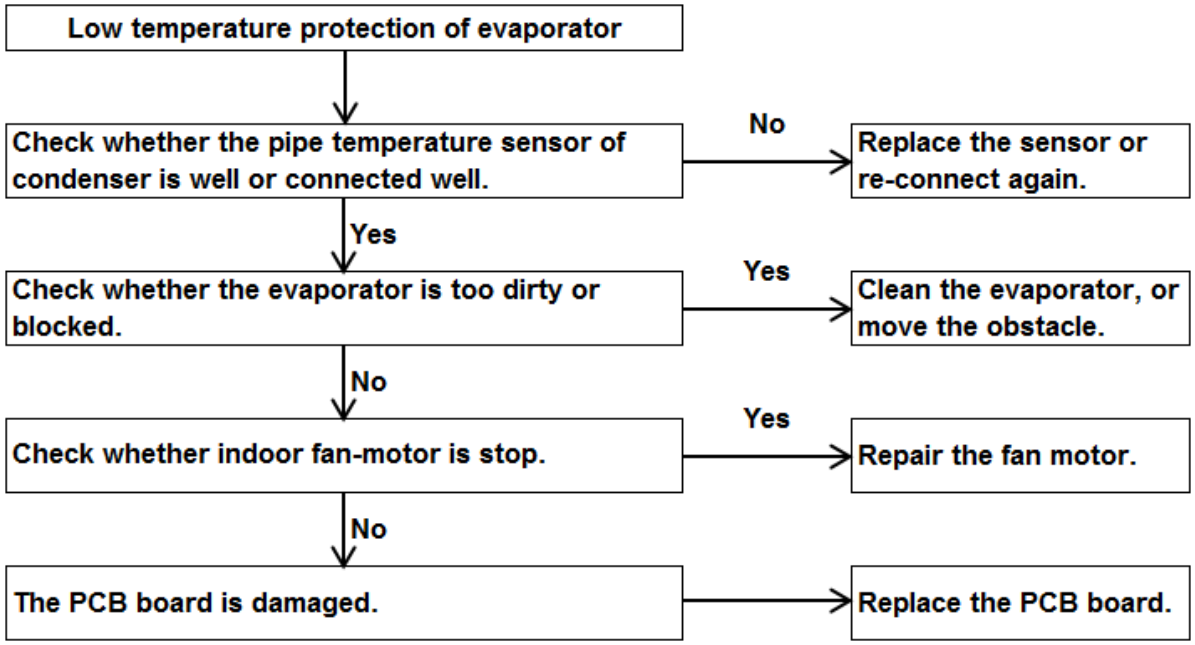
Comprehensive protection of outdoor side fan motor :



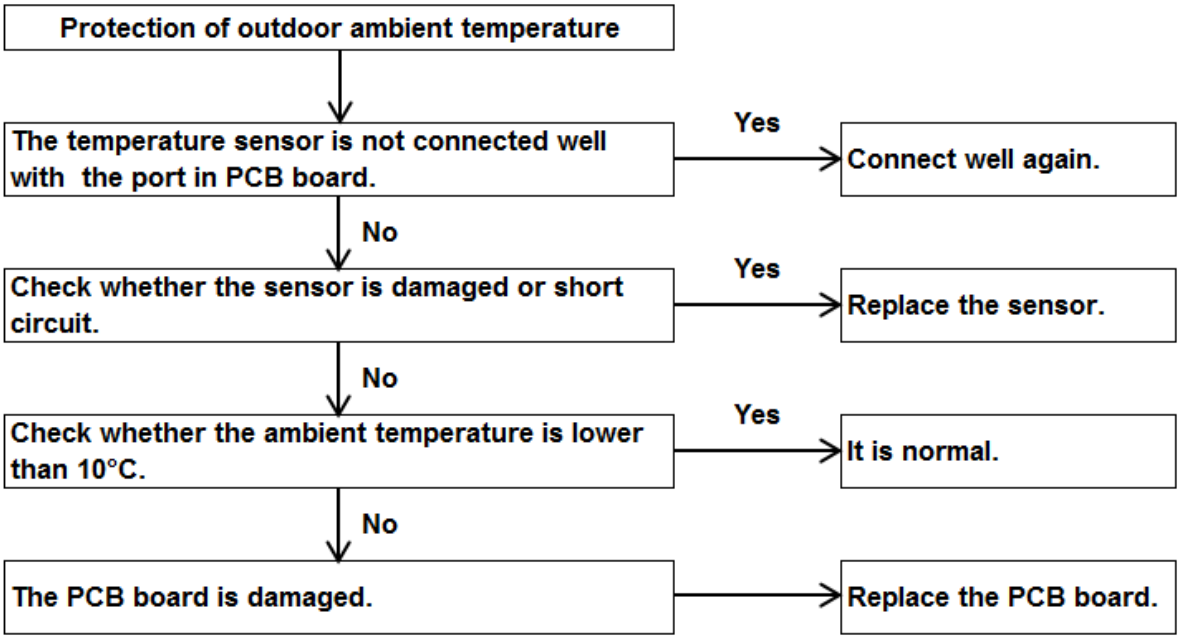
High temperature protection of condenser :



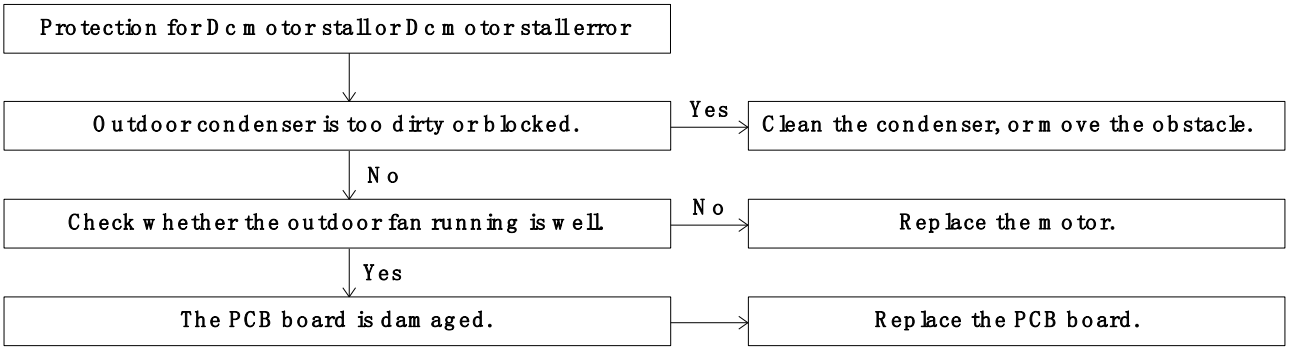
Low temperature protection of evaporator / Anti-freezing protection of evaporator :



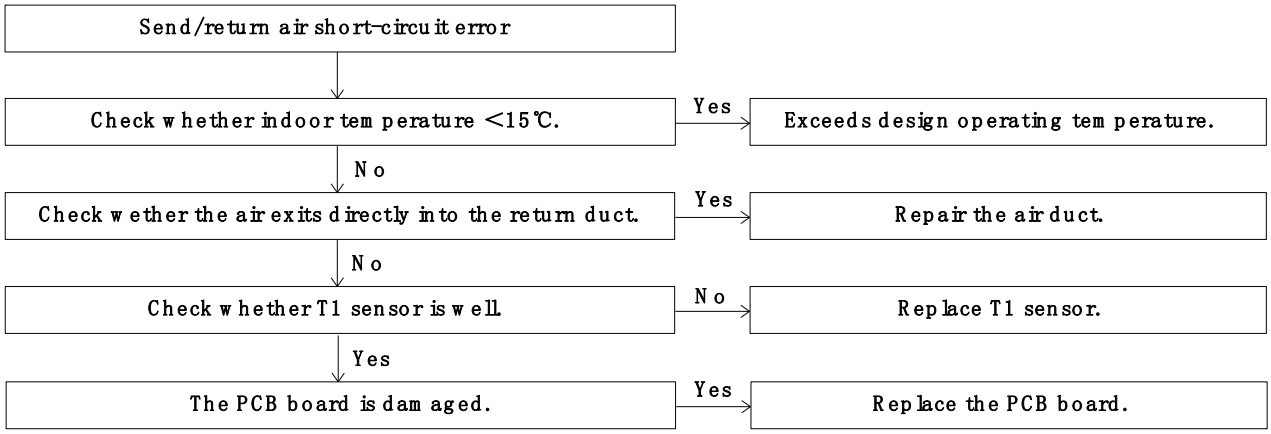
Protection of outdoor ambient temperature :



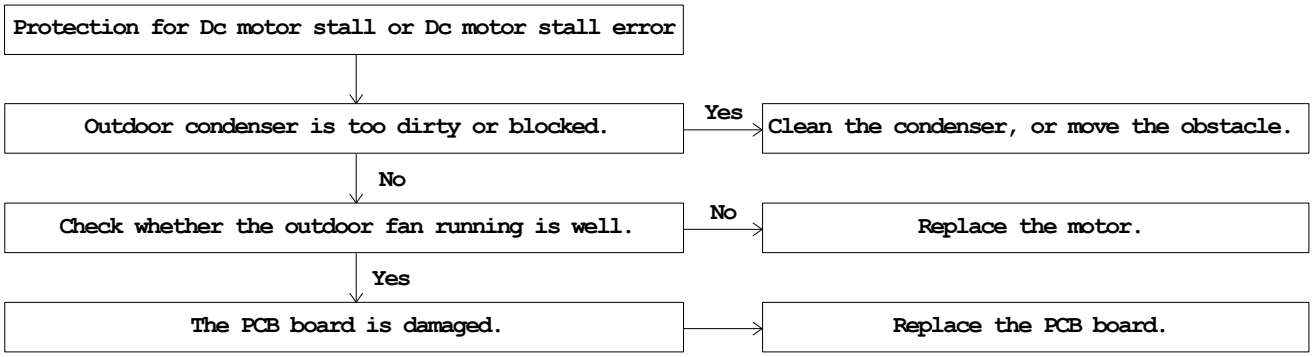
Protection for Dc motor stall or Dc motor stall error:



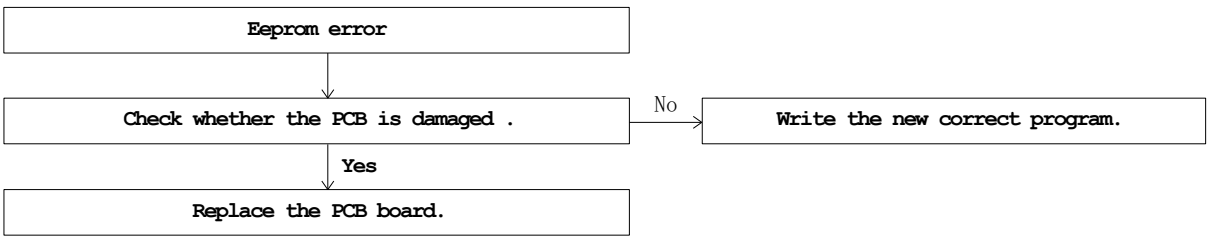
Send/Return air short-circuit error:



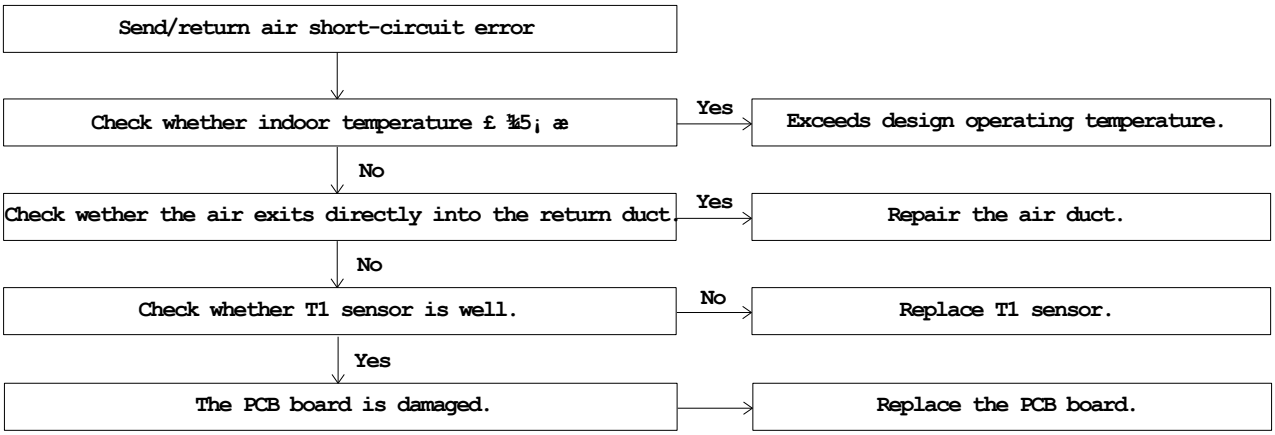
Protection for Dc motor stall /Dc motor stall error :



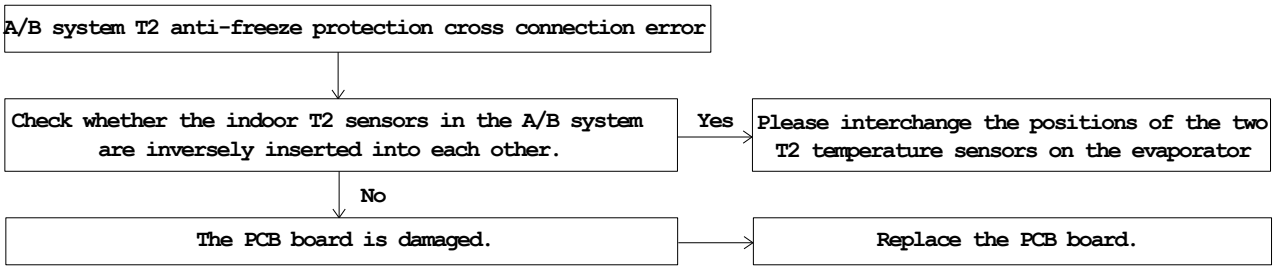
Eeprom error :



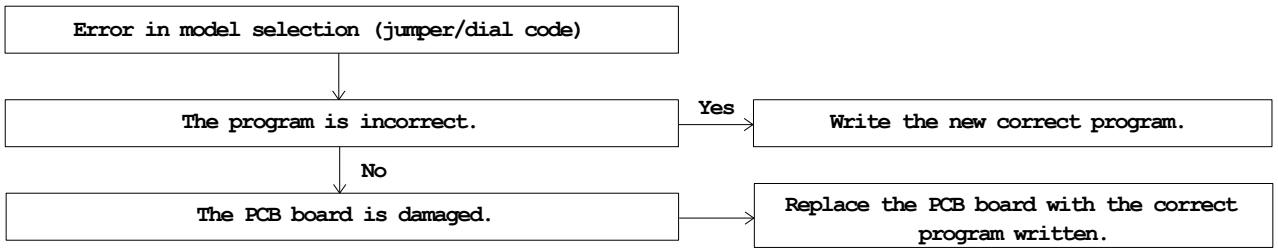
Send/return air short-circuit error:



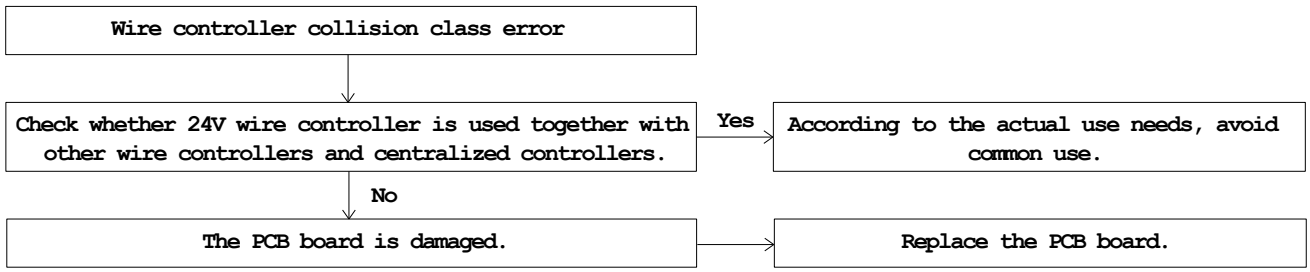
A/B system T2 anti-freeze protection cross connection error:



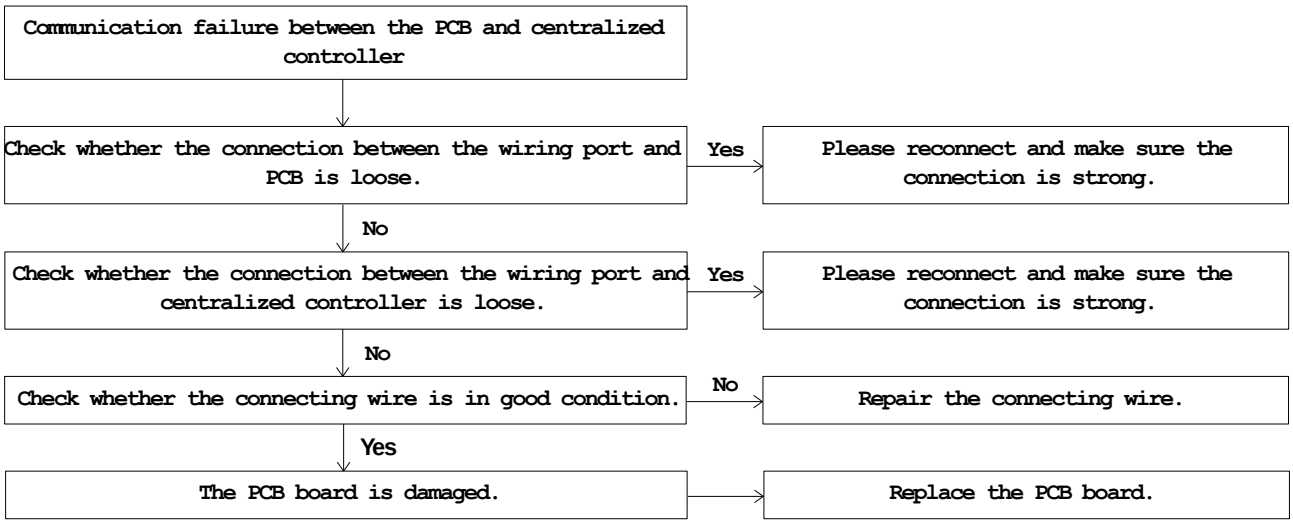
Error in model selection (jumper/dial code):



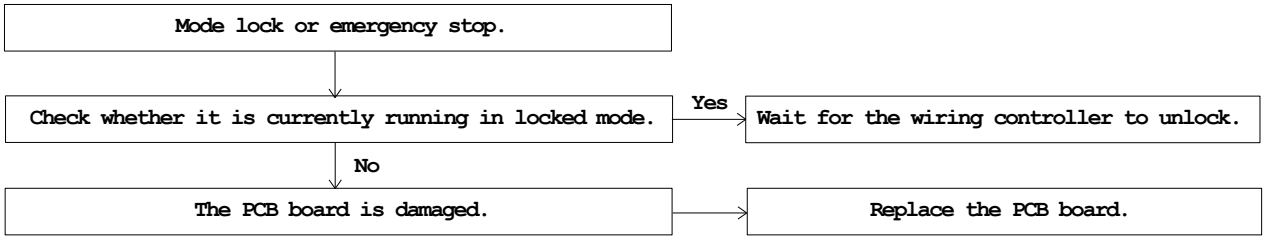
Wire controller collision class error :



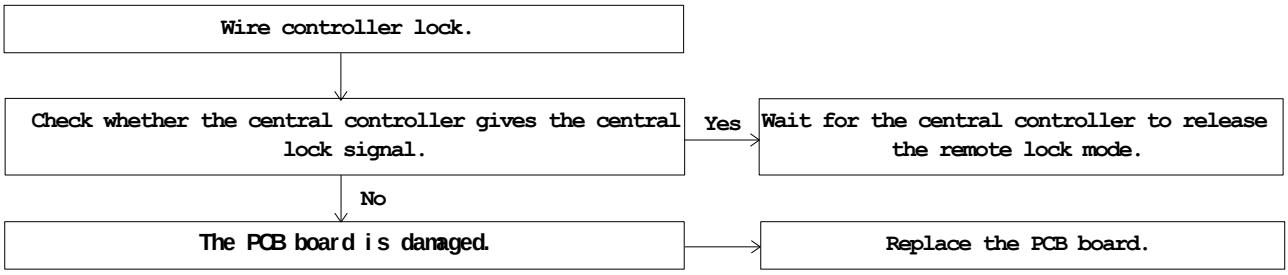
Communication failure between the PCB and centralized controller :



Mode lock or emergency stop :



Wire controller lock :



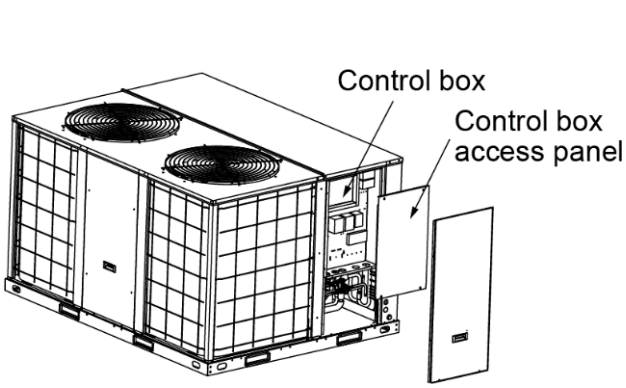
10. Maintenance

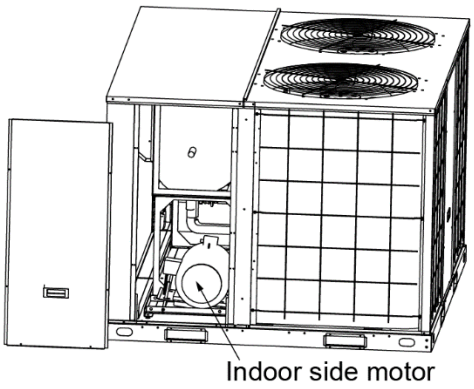
Caution

- ✧ Do not operate the unit without the evaporator fan access panel in place. Reinstall the access panel after performing any maintenance. Operating the unit without the access panel may result in severe personal injury.
- ✧ Disconnect the power supply before cleaning and maintenance.

Regular maintenance

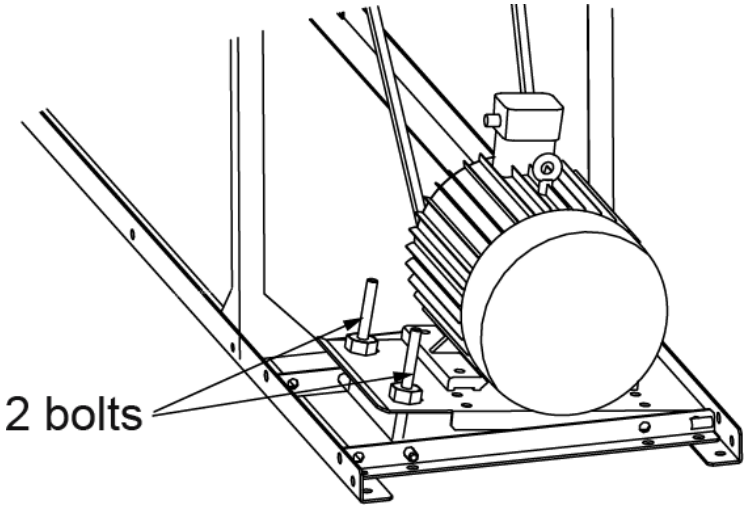
Some regular maintenance has been carry on by user. It includes: change the one-time dust filter, clean casing, wash condenser and replace a new belt, as well as do some test for the equipment.





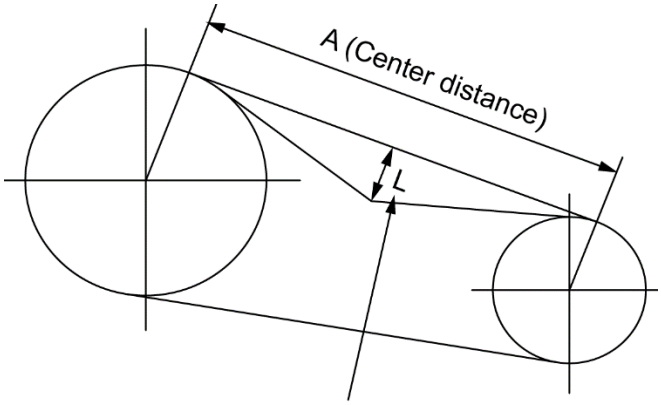
Regulating belt of tension

Refer to the following figure, loose 2 bolts, and move the electric motor to adjust belt tension. These two bolts are used for precision adjustment.



Belt tension is measured by belt tension indicator

✧ Calculate the deflection, deflection (L) = A/64.



Belt tension indicator applied
to middle center distance

Notes: L=A/64

Model	A (mm)
SRTC-075CWN1-R(G)	380
SRTC-085CWN1-R(G)	510
SRTC-100CWN1-R(G)	590
SRTC-125CWN1-R(G)	590
SRTC-150CWN1-R(G)	580
SRTC-200CWN1-R(G)	470
SRTC-250CWN1-R(G)	790
SRTC-300CWN1-R(G)	790

✧ Measure the belt deflection force, the force should be between the values shown in the following lists.

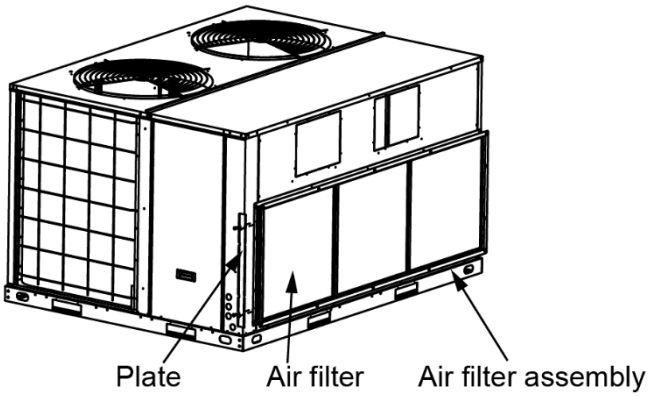
✧ The belt which is too tight or too loose may generate noise and be harmful to the unit.

Belt section	For required to deflection		
	Small pulley diameter	Newton	Kilogram-force
SPA	80mm~132mm	25N~35N	2.5kg.f~3.6kg.f

Air intake filter clean (Filter can be customized as standard).

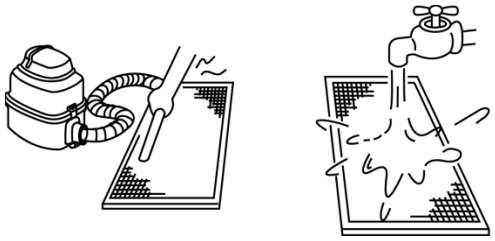
Step 1: Dismantle the air filter.

- ✧ Twist of screws and get out the plate.
- ✧ Pull out the filter along the supporting slot.



Step 2: Clean the air filter.

- ✧ Vacuum cleaner or fresh water may be used to clean the air filter. If the dust accumulated too much, please use soft brush and mild detergent to clean.
- ✧ The air-in side should face up when using vacuum cleaner.
- ✧ The air-in side should face down when using water.



- ✧ After cleaning, please dry out in cool place. Do not dry out the air filter under direct sunshine or heat.

Step 3: Re-install the air filter.

Condenser coil

Unfiltered air circulates through the unit's condenser coil can cause the coil's surface to become clogged with dust. Clean the coil, vertically (i.e., with the fins), and stroke the coil surface with a soft brush. Be sure to keep all vegetation away from the condenser coil area.

Periodic maintenance

To keep the unit operating safety and efficiently, the entire system should be checked at least once each year. The examining the areas include:

- ✓ Filter;
- ✓ Motors and drive system components;
- ✓ Economizer gaskets (Reserved);
- ✓ Safety controls;
- ✓ Electrical components and wiring (For possible replacement and connection tightness);
- ✓ Condenser drainage (For cleaning);
- ✓ Unit duct connections (To check that they are physically sound and sealed to the unit casing);
- ✓ Unit mounting support (For structural integrity);
- ✓ The unit (For obvious unit deterioration).

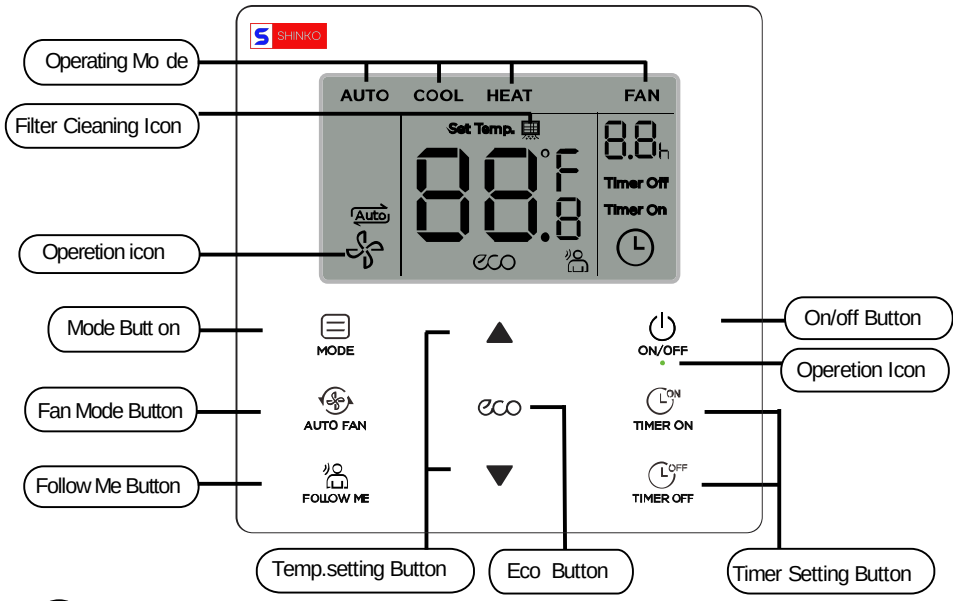
Part. 4 Controller

1. Wired Controller: SKJR-90K/BK-E

1.1 Wired controller specifications

Model	SKJR-90K/BK-E
Power supply	18V DC
Operation temperature	-15°C～43°C
Operation humidity	40%~90% RH

1.2 Introduction of indicators function



1. On and Off the air-conditioner

Press the ON/OFF button to control the air-conditioner turn on and turn off status.

When the unit is turned off, press the ON/OFF button, the unit will be turned on and the operating icon lights up. Also the LED light under the ON/OFF button will turn green.

When the unit is turned on, press the ON/OFF button, the unit will be turned off and the operating icon lights off. Also the LED light under the ON/OFF button will turn off.

2. Operation mode indication:

When press '**MODE**' button, the following mode can be selected in circle.

For cooling only model, the indicator '***HEAT'*** is skipped.

3. Fan speed setting (For rooftop packages, it is not available.)

Under COOL、HEAT、and FAN modes, press AUTO FAN button can adjust the fan mode setting.

Press AUTO FAN button the Auto auto fan icon lights on. it means the indoor fan will operate with the cooling or heating status.

Press AUTO FAN button the auto fan icon lights off. It means the indoor fan will running all the time.

4. Temperature setting

Under AUTO、COOL、HEAT modes, press the temperature setting buttons ▲ and ▼ to set the indoor temperature, the adjusting rang is 17℃~30℃.

The setting temperature cannot be available under FAN mode.

5. Timer ON/OFF

When adjust setting on time or only on time is set, the indicator '***ON***' is lighted.

When adjust setting off time or only off time is set, the indicator '***OFF***' is lighted.

If timer-on and timer-off timer both set, the indicators '***ON***' and '***OFF***' will be display alternately.

6. Follow me function

There is a temperature sensor inside the wired controller, after setting temperature; the detected temperature by this sensor will be compared with setting temperature. The space of wired controller will be same as the setting temperature.

7. ECO operation

In the shutdown status, Press the ECO button to enter ECO operation, Under ECO operation, the indoor fan mode is auto, and the setting temperature is 26℃ for COOL mode.

8. Air filter cleaning reminding function

The wired remote controller records the total running time of the unit, when the running time reaches the preset value, the air filter cleaning icon will be lighted up to remind that the air filter needs to be cleaned.

9. Two-way communication function

There is a two-way communication between the wire controller and the main board. When the air conditioning unit fails the setting temperature zone will display the fault code. The fault code is looped when more than one code occurs.

1.3 Installation of wired controller

Caution

- ✧ Do not install it in a place where combustible gas easily leaks. Once combustible gas leaks and remains around wired controller, fire may be cause. Do not install it in a place with oil, steam or sulphur gas, or else deform or malfunction may occur.
- ✧ Wires must be suitable for the current of the wired controller. Otherwise, electricity leakage or heating may be caused, which may result in fire.
- ✧ Install the wire joint (5P) to the appointed position of the electric controlling box.
- ✧ Circuit of wired controller is low voltage circuit, and never connected with a standard 220V or 380V circuit. Also do not put it into a same wiring tube, and the interval must be more than 300~ 500mm.
- ✧ The shield cable must be connected stable to the ground, otherwise transmission may fail.
- ✧ Wire must be suitable for wired controller, never bring outside force to bear on the terminal.
- ✧ Do not to attempt to extend the shield cable by cutting. If it is necessary, please use terminal connection block to connect.

Accessories

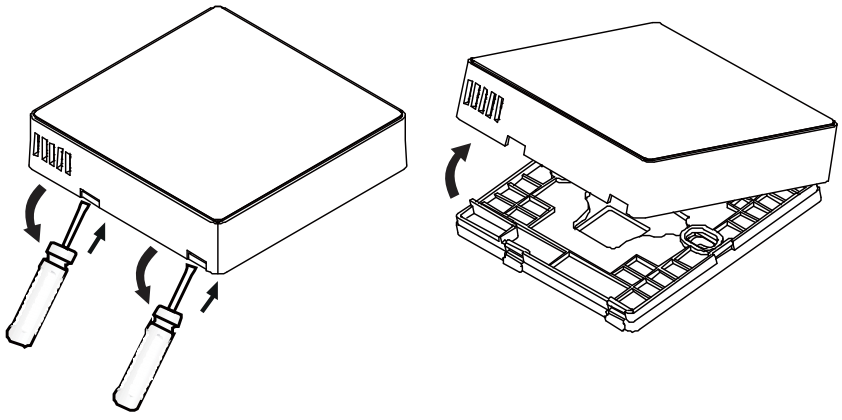
Item	Quantity	Remarks
Wired controller	1	\
M4×25 Cruciform slot screw	3	This accessory is used when install the wire control inside the electric cabinet
Installation and operation manual	1	\
Plastic bolt	2	This accessory is used when install the wire control inside the electric cabinet

Preparing at site

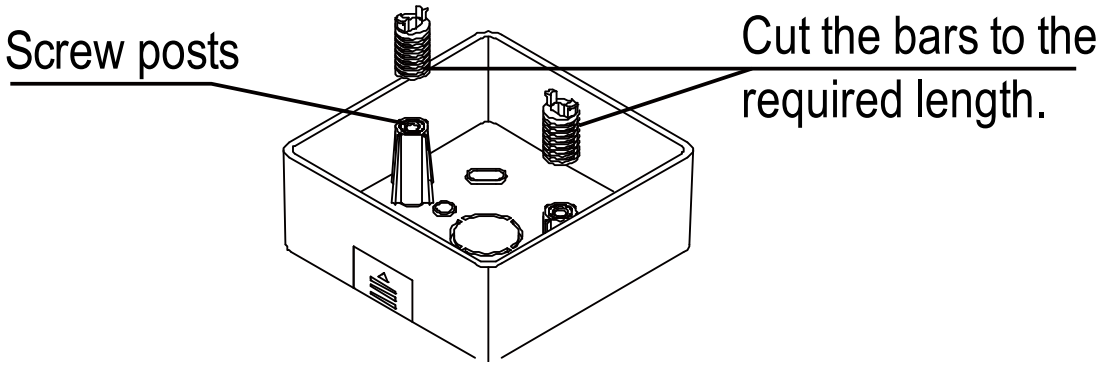
Item	Quantity	Remarks
Electric cabinet	1	Universal electric cabinet specification, pre-embed it into wall
core cable	1	0.5mm ×2 into wall
Wire configured tube (insulated sheath)	1	Pre-embed into wall, the longest length should not exceeding than 15m.
Phillips screwdriver	1	For install Cruciform slot screw.
Slotted head screwdriver	1	For unscrew the bottom cover of wire controller.

Installation:

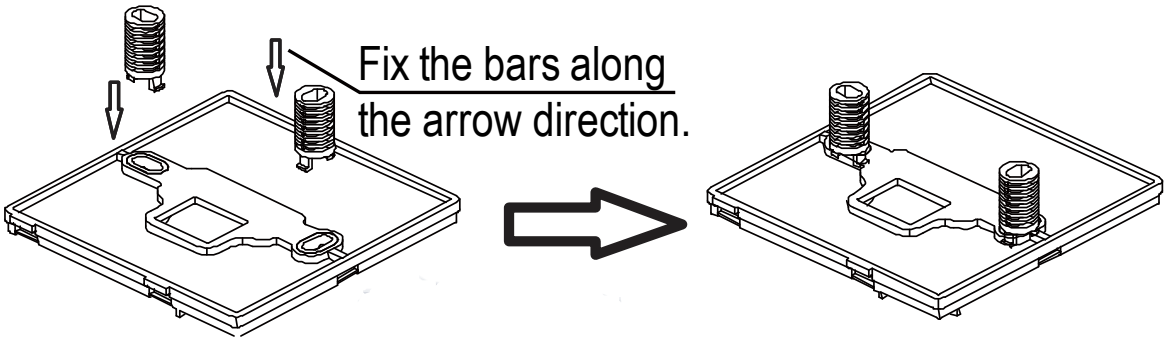
✧ Insert to the bottom cover to the electric cabinet by the accessory slotted head screws, and take down the bottom cover of wire controller, refers to the below.



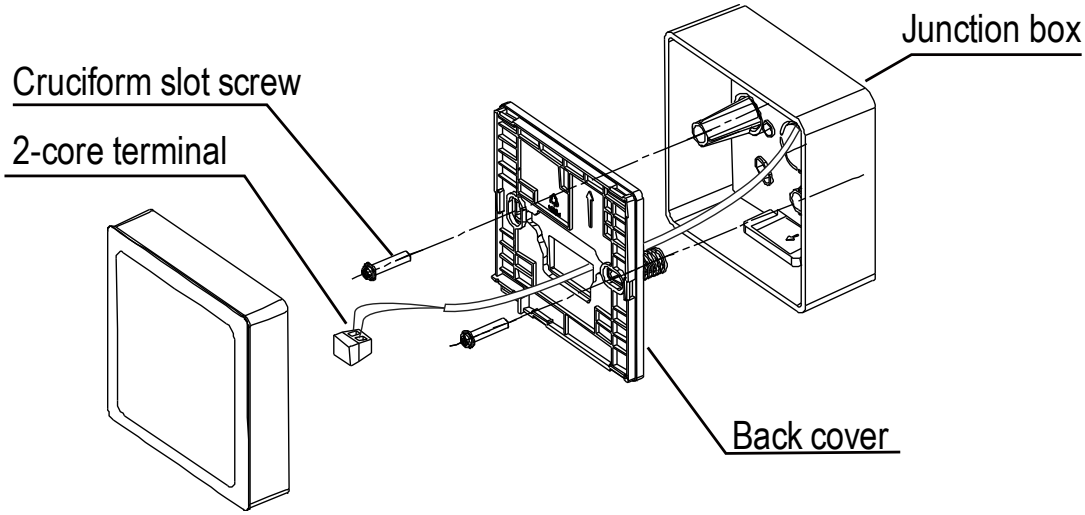
✧ Adjust the length of two plastic bolts base on the length of through out from standard electric cabinet to the wall. Confirm the two bolts fixing in the cabinet are in the same length and vertical to the wall surface.



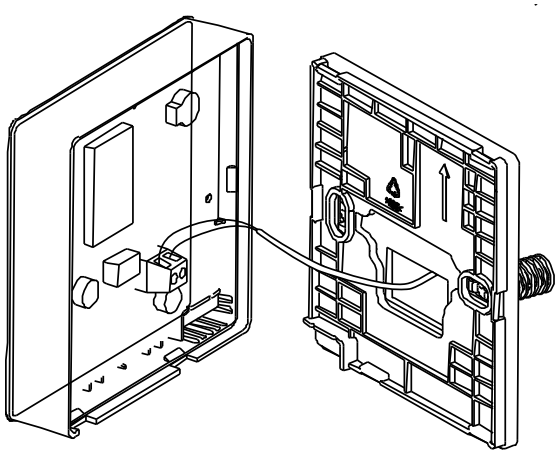
✧ Make the connecting wires of B part signal receiving panel to go through the hole of back cover, and use Make sure the back cover of wire controller in the same level, refers to the below.



✧ Insert the small 2-core connector of the B part signal receiving panel connecting wire group with the 2-core terminal of wire controller PCB panel one to one, and then cover the wire controller with the back cover, refers to the below.



✧ Finally, install the wire controller back to the back cover, refers to the below.



Note: 1. Over tighten the screw would cause rear cover deformed.

2. When installation, please maintain the screws and wire controller at the same height level without deformed.

3. When installation, please reserve a certain length of wire controller connective cable for future maintenance to take off the wire controller.

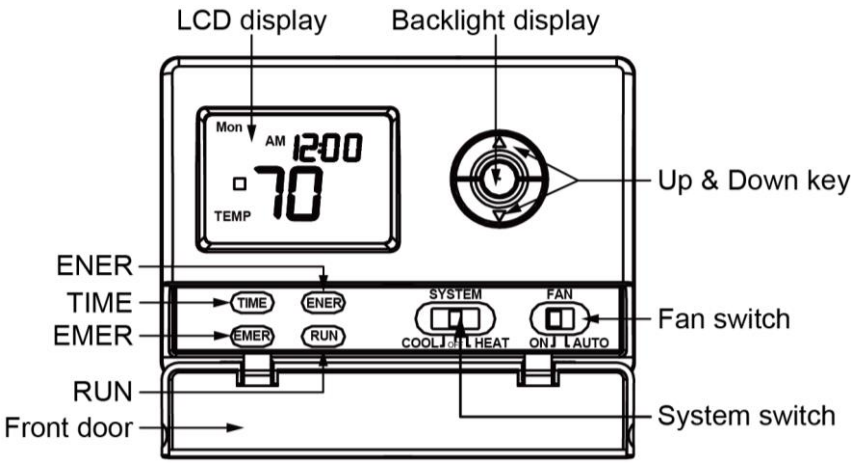
2. Wired Controller: SKJR-25B(Optional)

SKJR-25B

2.1 Wired controller specifications

Model	SKJR-25B
Power Supply Voltage	AC 24V
Temperature display range	0°C～37°C
Temperature control range	7°C～35°C
Temperature control accuracy	±0.5°C
Sensor	NTC 1%, B=3950

2.2 Introduction of button



TIME:

Be used to entering time.

ENER:

Measures and displays heating and cooling system operating time for today, yesterday, this week, last week or total. By monitoring energy usage, the thermostat can be programed to optimize energy savings.

EMER:

It is used to select operating under EMER mode.

RUN:

Returns display to current time and temperature.

Backlight display:

This key allows users to operate the device in a dark room. The device lights up when a button is pressed, and turns off when a given operation is completed. The display will remain illuminated for 8 seconds after the last key is pressed. If the controller is in low battery warning condition, this function will not operate. Replace with 2 AA alkaline batteries to restore the function.

Up & Down key:

It is used to change the temperature setting. Also used for increasing and decreasing selections in the time, program and span functions.

Fan switch:

It is used to select automatic or continuous fan operation. It should normally be located in the **AUTO** position. The fan will be turned on along with normal operation of the unit. To run the fan on continuously, slide the FAN switch to the **ON** position.

System switch:

It can determine the operating mode of the wired controller. Select **COOL**, **OFF** and **HEAT**. Anytime you install or remove the controller from the wall plate, slide the system selector to the **OFF** position to prevent the possibility of a rapid system ON-OFF.

Front door:

Cover keys open with one finger from left or right.

2.3 Configuration

After installation and wiring connection of wired controller, it should be operated configuration first. Set **SYSTEM** switch to **OFF**, and then press both **UP** and **DOWN** keys for 5 seconds to enter configuration menu. The display will show the first item in the configuration menu.

Press button	Displayed (Factory default)	Press up or down button to select	Comments
Backlight button	MS 2	SS1	Single stage
		MS1	Multi-stage
		HP1	Heat Pump (Single stage)
		HP2	Heat Pump (2-stage)
Backlight button	(RECO)off	On	Recovery enable
		Off	Recovery disabled
Backlight button	(SPAN)2	1	Span(one stage)1
		2	Span(one stage)2
		3	Span(one stage)3
Backlight button	(BLIT)on	On	Backlight on
		Off	Backlight off
Backlight button	(SP2)2	1	Span(Two Stage) 1
		2	Span(Two Stage) 2
		3	Span(Two Stage)3
Backlight button	(TEMP)F	F	Selects temperature display °F
		C	Selects temperature display °C
Backlight button	HOUR(12)	12	Selects time format display 12hours
		24	Selects time format display 24hours
Backlight button	COMP(OFF)	OFF	Selects Compressor Lockout OFF
		ON	Selects Compressor Lockout ON
Backlight button	COOL(2)	2	This model must select 2
		1	Just use for one stage system
Backlight button	FACT(0)	0	Display normal
		1	Use for another model to go back to factory default
		2	All the setting will go back to factory default

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements.

The configuration menu table summarizes the configuration options. An explanation of each option follows. Press **Backlight** button to change to the next menu item.

Press **RUN** button to exit the menu and unit will return to the normal operation. If no keys are pressed within 15 seconds, the thermostat will revert to normal operation.

1) Single Stage, Multi-stage or Heat Pump System Configuration

This control can be configured for Heat Pump or two stage heat/one stage cool multi-stage operation. The display indicates ***MS2*** (default for multi-stage mode) in the display. The Multi-stage configuration can be toggled to ***SS1*** or ***HP1*** by pressing the up or down key. In Multi-stage configuration, EMER mode is useless.

2) Fast or Slow Cycle Selection (one stage)

3) Select Backlight function OFF or ON

4) Fast or Slow Cycle Selection (two stages)

5) Select °F or °C Readout. Changes the display readout to Centigrade or Fahrenheit as required

6) Selects time format display 12hours or 24hours

7) Select Compressor Lockout COMP OFF or ON.

Selecting ***COMP ON*** will cause the thermostat to wait 4 minutes before turning on the compressor if the heating and cooling system loses power. It will also wait 5 minutes minimum between cooling and heating cycles. This is intended to help protect the compressor from short cycling. Some newer compressors already have a time delay built in and do not require this feature. Your compressor manufacturer can tell you if the lockout feature is already present in their system. When the thermostat compressor time delay occurs it will flash the set point for about four minutes.

8) This model must select 1.

9) This model must select 1 to back factory Default.

2.4 Operation instructions

1) Fan operation:

Step 1: Turn on power supply to system.

Step 2: Move **FAN** switch to **ON** position. The fan of unit will begin to operate.

Step 3: Move **FAN** switch to **AUTO** position. The fan of unit will operate according to the setting of system immediately.

2) Cooling operation:

Step 1: Move **SYSTEM** switch to **COOL** position to select cool mode.

Step 2: Press to adjust the wired controller setting below room temperature. The fan of indoor side should come on immediately on high speed, followed by cold air circulation. The display should show ***STG1***.

Step 3: Adjust temperature setting to 2°C below room temperature. The second stage cooling should begin to operate and display should show ***STG1+2***.

Step 4: Press to adjust the temperature setting above room temperature. The cooling system should stop operating.

3) Heating operation (Only for heat pump unit):

Step 1: Move **SYSTEM** switch to heat mode. If the auxiliary heating system has a standing pilot, be sure to light it.

Step 2: Press to adjust the wired controller setting to 1°C above room temperature. The heating system should begin to operate. The display should show ***STG1***. However, if the set point temperature display is flashing, the compressor lockout feature is operating.

Step 3: Adjust temperature setting to 3°C above room temperature. If the system configuration is set at ***MS2***, ***HP2*** or ***HP1***, the auxiliary heat system should begin to operate and the display should show ***STG1+2***.

Step 4: Press to adjust the wired controller below room temperature. The heating system should stop operating.

4) Emergency operation (Only for heat pump unit)

EMER by passed the heat pump to use the heat source wired to terminal E on the wired controller. EMER is typically used when compressor operations is not desired, or prefer back-up heat only.

Step 1: Press **SYSTEM** switch to select heat mode, then press **EMER** key. ***EMER*** will show on the display.

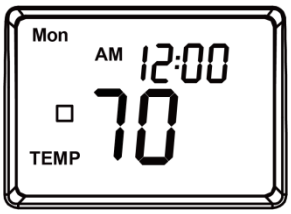
Step 2: Press to adjust wired controller setting above room temperature. The Aux. heating system will begin to operate. The display will show ***STG1***, ***EMMER*** to indicate that the Aux. heating system is operating.

Step 3: Adjust temperature setting to 2°C above room temperature. The auxiliary heat system should begin to operate and the display should show ***STG1+2***.

Step 4: Press to adjust the wired controller below room temperature. The Aux. heating system should stop operating.

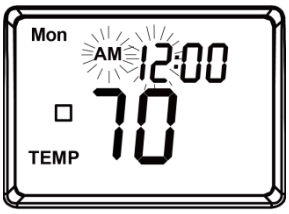
5) Day and time setting

The LCD will show this following figure information when batteries are first installed. The temperature will update after a few seconds. During time and day setting mode, the temperature displays will go blank.



Examples: Set the wired controller to the current time of 2:16 PM on Saturday.

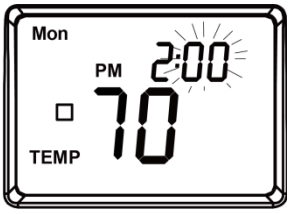
Step 1: Press **TIME** to enter time and day setting mode. The current hour and ***AM*** / ***PM*** indicator will be flashing.



Press **UP** or **DOWN** to change the hour up or down to the current hour.

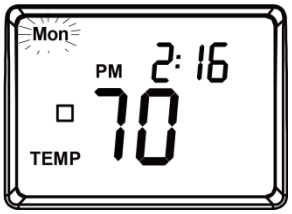
Notes: The ***AM*** / ***PM*** indicator, as the display will change at 12 AM and 12PM.

Step 2: Press **TIME** again to change from hour setting to minute setting. The current minute will be flashing.

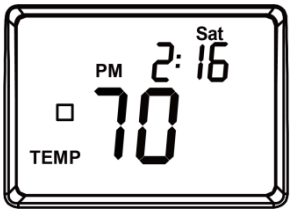


Press **UP** or **DOWN** to change the minute up or down to the current minute.

Step 3: Press **TIME** again to change from minute setting to day setting. The current days will be flashing. Press **UP** or **DOWN** to change the day up or down to the current day.

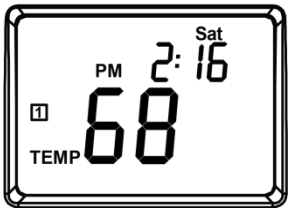


Step 4: Press **TIME** again to change back to the normal display.



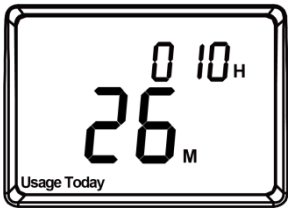
6) Reviewing the current temperature setting

Press **UP** and **DOWN** keys for less than 1 second. The setting temperature is shown above current room temperature.



7) Energy monitor

The energy monitor feature measures and stores the amount of time the heating and air conditioning system operates. Press **ENER** key, and the usage can be display for today (Since 12 AM), yesterday, this week (Since Monday), last week (Last Monday through Sunday), and total (Up to 999 hours). By monitoring energy usage, it is easy to know how much the set-back periods are saving. To review energy usage, press **ENER** to cycle through today, yesterday, this week, last week and total. Press it again to return to normal mode, or wait 15 seconds for display to return to normal mode. Also, return to normal mode at any time by pressing **RUN**.

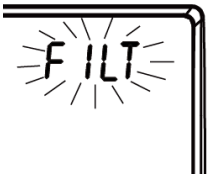


Example: this LCD display shows today's usage to be 10 hours, 26 minutes. Press **RUN** and hold for 3 seconds to reset the energy monitor's counters. The display will blink and counter will be cleared to zero.

Clearing the energy monitor counter will also clear the filter monitor counter, as filter usage and total energy usage are the same. Also, clearing the filter monitor counter will clear all energy monitor counters as well.

8) Filter monitor

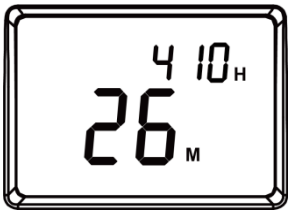
This controller also keeps a record of the number of hours filter has been in use. To maximize unit's performance and energy efficiency, changing or clearing filter regularly is necessary.



When the total system run-time for heat and cool reaches 500 hours, the filter is needed to clean or change, and the FILT will continue to flash until the counter is set back to zero.

Press **ENER** to review total filter usage. The display will blink FILT. Then show the filter monitor counter. After 15 seconds, the display will return to normal mode, or press **RUN** to exit immediately.

The filter monitor will display up to 999 hours and 59 minutes of usage. In this example ,the counter is at 410 hours and 26 minutes.



9) Keyboard lock

The keyboard can be locked to prevent unauthorized changes to the controller. To lock or unlock the keyboard, press and hold **RUN** key for 3 seconds. The keyboard is locked. When ***LOCK*** appears on the display, all keys are locked, and any time a key is pressed, ***LOCK*** will appear on the display for 1 second.

10) Low battery warning

The controller has a two-stage lower battery warning system. When the batteries are first detected to be weak, the first stage low battery warning is indicated by ***BATT*** flashing on the LCD display. At earliest convenience, the batteries with 2 new AA alkaline batteries should be replaced. When the batteries become too weak for normal operation, the controller enters the second stage low battery warning which shuts down the controller. In this condition, ***BATT*** flashes alone on the display screen and the thermostat will turn unit off. The unit will remain shut-off until the batteries are replaced.

The controller will still keep the current set temperature and filter run-time in memory until new batteries are installed. After confirming that new batteries have been inserted, the controller will return to normal operation.

2.5 Installation of wired controller

Caution:

- ✧ This controller cannot connect with 110/220 and 380V power.
- ✧ To prevent electrical shock and / or unit damage, disconnect electric power to unit at main fuse or circuit breaker box until installation is complete.

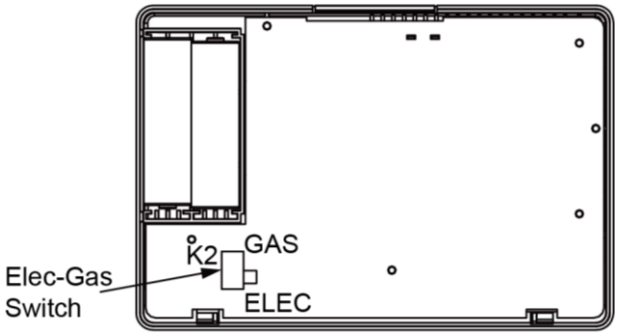
Electric / gas switch:

This controller is configured from the factory to operate a heat/ cool, fossil fuel (gas, oil, etc.), forced-air system. It is configured correctly for any system that DOES NOT requires the controller to energize the fan on a call for heat.

If the system is an electric heat or heat-pump system that requires the controller to turn on the fan on a call for heat, locate the **ELEC/GAS** switch on the back of the controller and switch it to the **ELEC** position.

This will allow the controller to energize the fan immediately on a call for heat. If it is unsure if the heating/ cooling system requires the thermostat to control the fan, contact a qualified heating and air conditioning service person. When the controller is configured for heat pump, the controller will always power the circulator fan on a call for heat in the heat mode. The **ELEC/GAS** switch must be set to match the type of auxiliary heat system uses for proper operation in the emergency mode.

All wiring diagrams are for typical systems only.

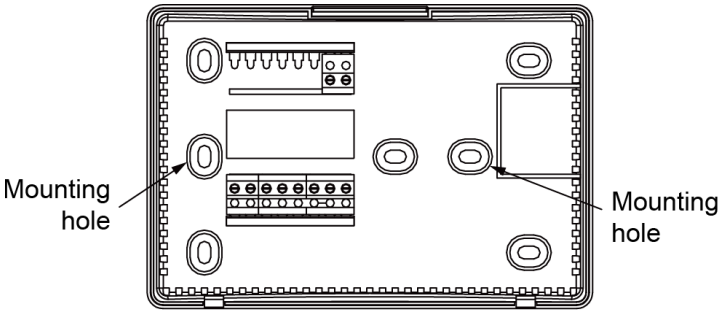


Installation:

Step 1: Remove the packing material from the controller. Gently pull the cover straight off the base. Forcing or prying on the controller will cause damage to the unit.

Step 2: Connect wires beneath terminal screws on base using appropriate wiring schematic.

Notes: The default setting value of the reminding function is 2,500 hours, and it can change to be 5,000 hours or 10,000 hours. The setting methods refer to the part of wired controller initial parameter setting.



Step 3: Place base over hole in wall and mark the locations of mounting hole on wall using base as a template.

Step 4: Move base out of the way. Drill mounting holes.

Step 5: Fasten base loosely to wall, using two mounting screws. Place a level against bottom of base, adjust until level, and then tighten screws. Leveling is for appearance only and will not affect the controller operation. If using existing mounting holes, or if holes drilled are too large and do not allow to tighten base snugly, use plastic screw anchors to secure sub-base.

Step 6: Push excess wire into wall and plug hole with a fire-resistant material (such as fiberglass insulation) to prevent drafts from affecting controller operation.

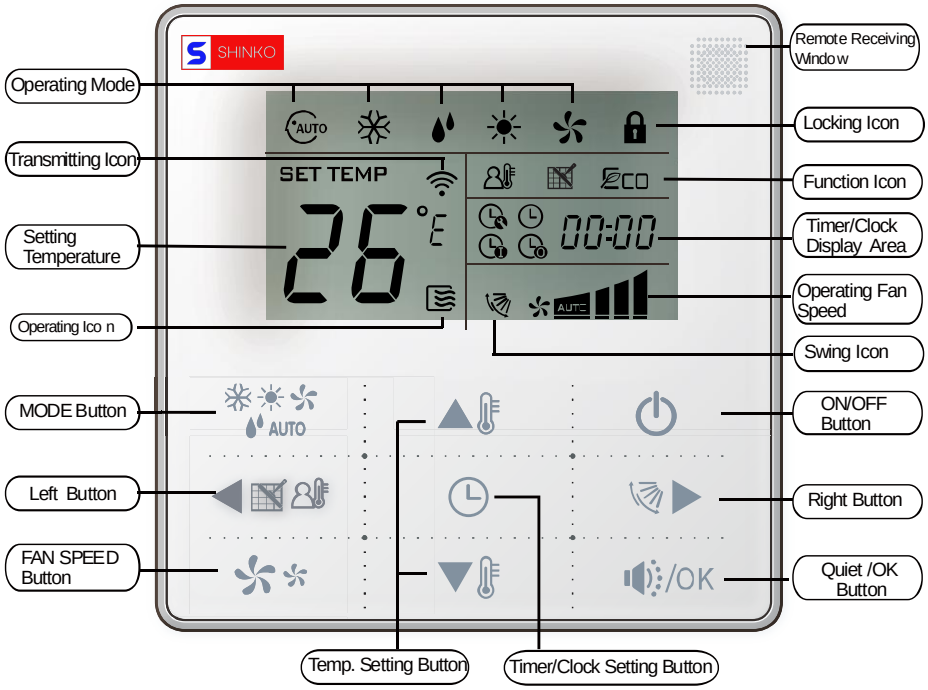
3. Wired Controller: SKJR-29B(Optional)

SKJR-29B

2.1 Wired controller specifications

Model	SKJR-25B
Power Supply Voltage	DC +5V
Ambient temperature	-5~43℃
Ambient humidity	RH40%~RH90%

2.2 Introduction of button



2.3 Operation instructions

1) On and Off the air-conditioner:

Press the On/Off button to control the indoor unit on and off status.

When the unit is turned off, press the ON/OFF button, the unit will be turned on and the operating  icon lights up.

When the unit is turned on, press the ON/OFF button, the unit will be turned off and the operating  icon lights off.

2) Set the operating mode:

Press the mode button to set the operating mode, after each button press the operation mode will circle as follow: AUTO→COOL→DRY→HEAT→FAN→AUTO

When the controller has been set to cool-only, then there is no HEAT mode.

3) Fan speed setting

Under COOL, HEAT and FAN modes, press the fan speed button can adjust the fan speed setting.

After each fan speed button press will circle as follow: AUTO→LOW→MID→HIGH→AUTO.

Under AUTO and DRY modes the fan speed is not adjustable and the default fan speed is auto.

4) Temperature setting

Under AUTO, COOL, DRY, HEAT modes, press the temperature setting buttons and to set the temperature, the adjusting range is 17˚C～30˚C(or 62℉～88℉).

The setting temperature cannot be adjusted under FAN mode.

5) Timer on and Timer off setting

Press the timer/clock setting button, then enter into the timer on setting status, and the screen will display  and  .

Press  and  buttons to adjust the timer. when the timer setting is less than 10 hours, each press  or  will increase or decrease 0.5 hour. When the timer setting is more than 10 hours, each press  or  will increase or decrease 1 hour, the maximum timer setting is 24 hours.

After finish adjusting the timer on setting, press the  button or wait for 5 seconds to confirm and exit the timer on setting.

6) Clock setting

Long press the timer/clock setting button for 3 seconds, then enter into the clock setting status. And press  and  to adjust the hour value and minute value.

7) Quiet operation

Under COOL, HEAT, FAN modes, press the  button to set into the quiet operation, it is used to reduce the running noise through setting the fan speed to low.

Under AUTO, DRY mode, the fan speed is auto and the  button doesn't work.

8) Air filter cleaning reminding function

The wired remote controller records the total running time of the indoor unit, when the accumulated running the air filter cleaning reminding icon  will be lighted up, to remind that the air filter of the indoor unit need to be cleaned.

Long press  for 3 seconds, and reset the reminding icon and the wired remote controller will re-accumulate the total running time of the indoor unit.

9) Swing Function

If the indoor unit supports swing function, press the right button  to adjust the air outlet direction of the indoor unit. Long press this button for 3 seconds can turn on or turn off the auto swing function, the swing icon  will be lighted up when the auto swing function is turned on.

10) Follow Me function

When the system is running and the operating mode is AUTO, COOL or HEAT, press the  button will activate the Follow Me function, press this button again to deactivate the function. Switching the operating mode will also disable the function.

2.5 Installation of wired controller

Caution:

- ✧ **Do not install the unit in a place vulnerable to leakage of flammable gases.**

  Once flammable gases are leaked and left around the wire controller, fire may occur.

- ✧ **The wiring should adapt to the wire controller current.**

  Otherwise, electric leakage or heating may occur and result in fire.

- **The specified cables shall be applied in the wiring. No external force may be applied to the terminal.**

  Otherwise, wire cut and heating may occur and result in fire.

- **Do not place the wired remote controller near the lamps, to avoid the remote signal of the controller to be disturbed.**

Warning:

- **Please entrust the distributor or professionals to install the unit.**

  Installation by other persons may lead to imperfect installation, electric shock or fire.

- **Strictly follow this manual.**

  Improper installation may lead to electric shock or fire.

- **Reinstallation must be performed by professionals.**

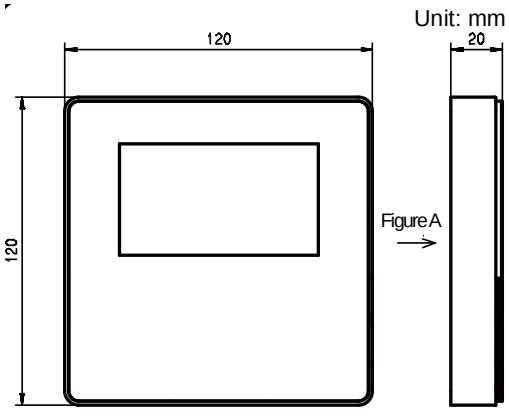
  Improper installation may lead to electric shock or fire.

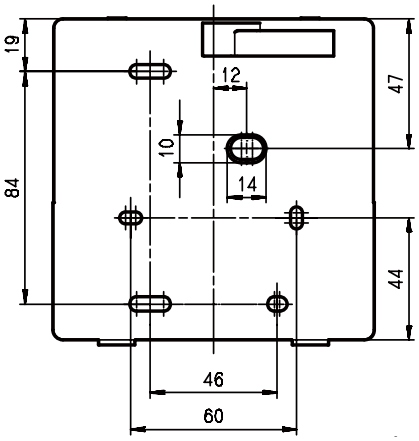
- **Do not disassemble your air conditioner.**

  A random disassembly may cause abnormal operation or heating, which may result in fire.

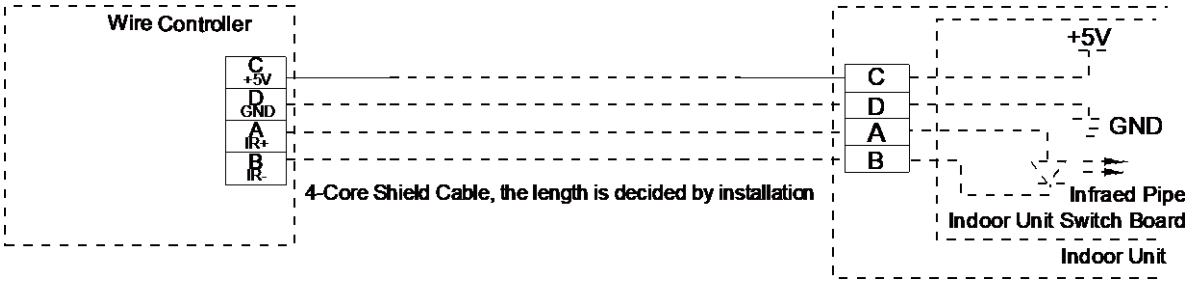
Installation:

1.Wired remote controller structure size figure：

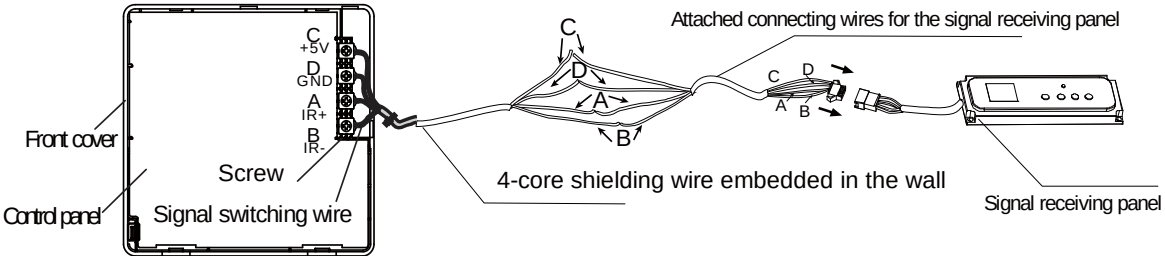


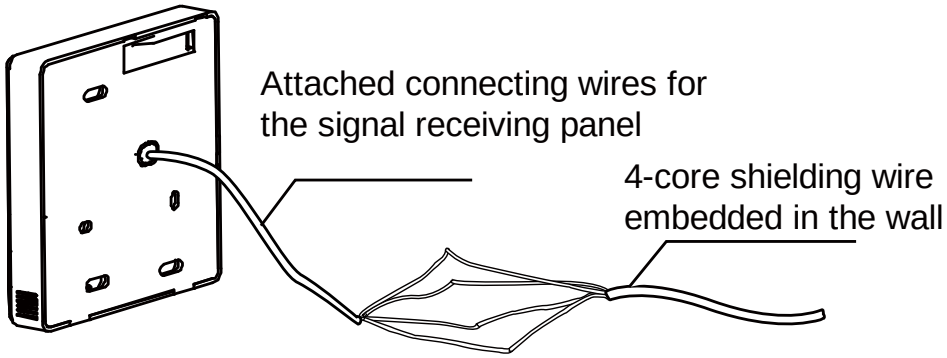


2.Wiring Principle Sketch:

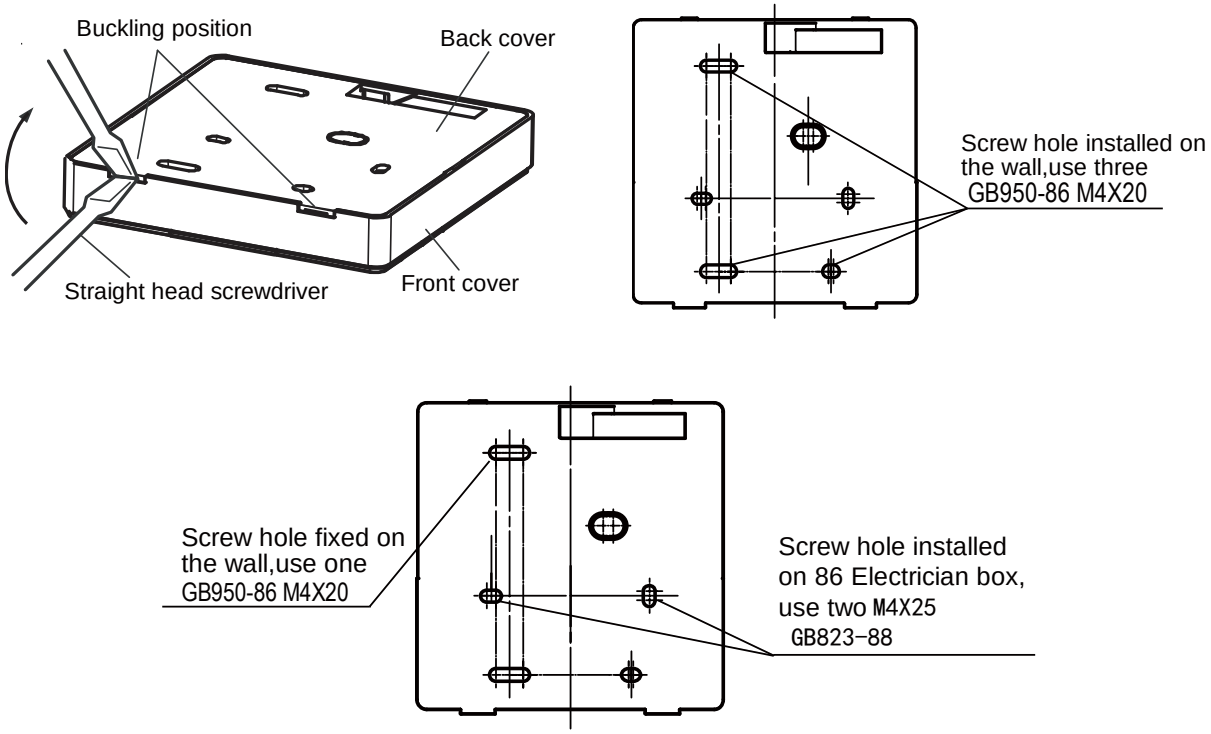


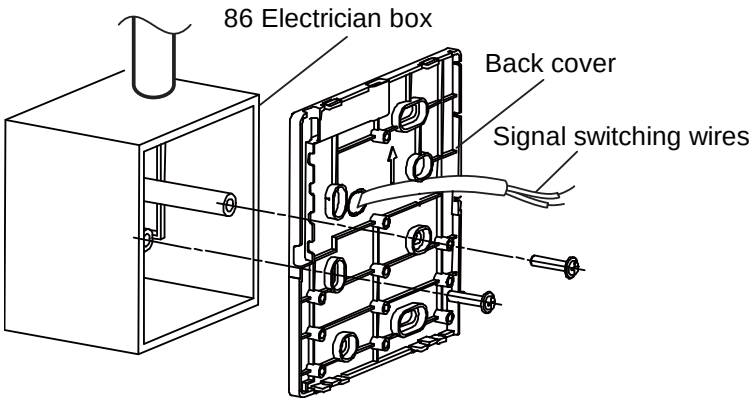
3.Wiring figure



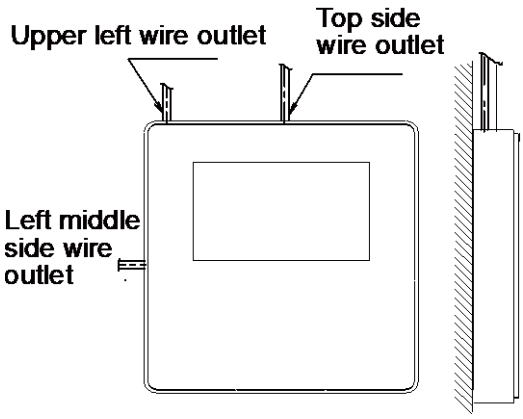


4.Back cover installation

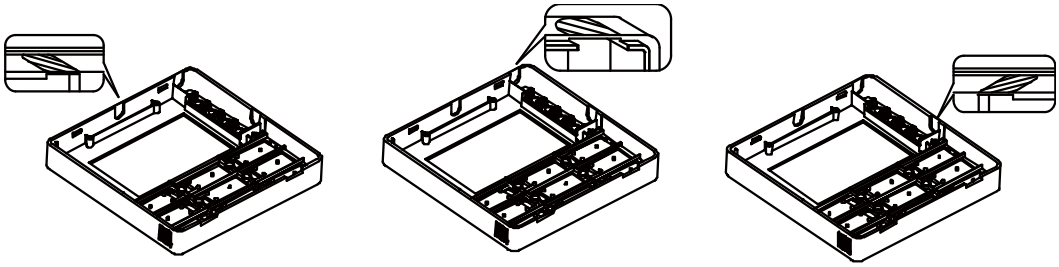




5.Wiring



A. Wiring, three outlet positions

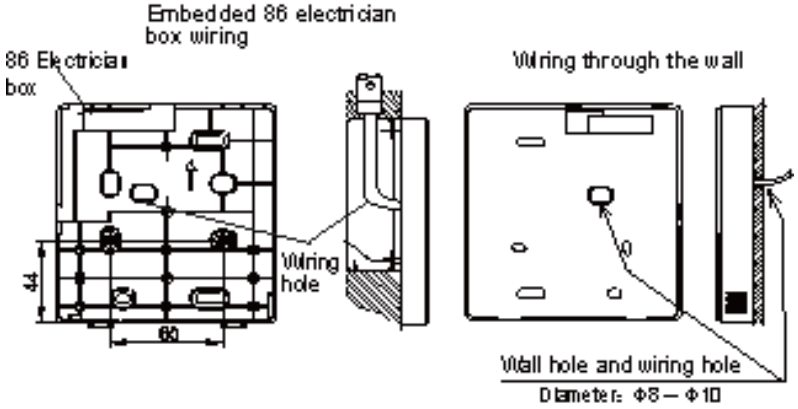


Cutting place of top side wire outlet

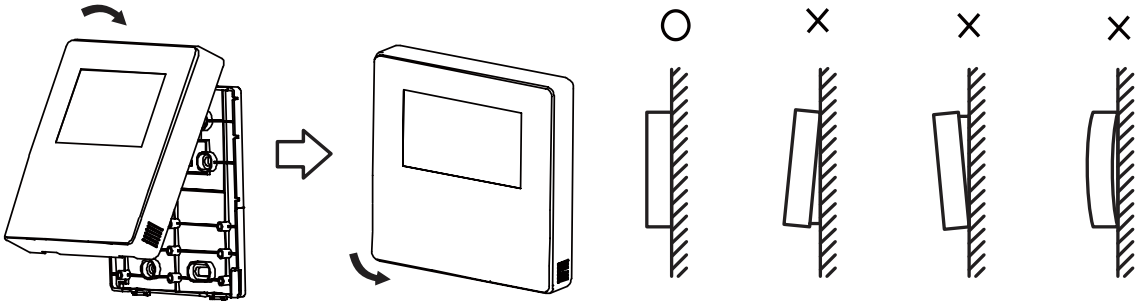
Cutting place of upper left wire outlet

Cutting place of left middle side wire outlet

B. Shielded wiring



6. Front cover installation



2.6 Initial Parameter Setting

- ✧ **Change the related functions of the controller through adjusting the initial parameters, details refer to table 1.**
- ✧ **The wired controller initial parameter include two codes "XY", the first code "X" means function class, the second code "Y" means detailed configuration of this function.**
- ✧ **Setting method:**

  1. Simultaneously long press "Mode" and "Fan" button of the wired controller for 5 seconds to enter the parameter setting state;

  2. The value of this first code "X" is "0", press the temperature setting button  and  to adjust the second code value;

  3. After setting the second code value, press button  to switch the first code to the next value;

  4. When the first code value is "6", press button  again to exit the parameters setting.

- ✧ **The parameters setting function only under the situation which need to adjust the default functions' setting states; otherwise there is no need to do the setting.**

First code	Function	Second code				
		0	1	2	3	4
0	Cool-only/ Cool-Heat selection	Cool-Heat (Default)	Cool-only	/	/	/
1	Indoor unit communication address setting	Yes (Default)	None	/	/	/
2	Power-off memory	Yes (Default)	None	/	/	/
3	Filter cleaning reminding	Cancel the reminding function	1250 hours	2500 hours (Default)	5000 hours	10000 hours
5	Remote receiving function	Yes (Default)	None	/	/	/
6	Centigrade/ Fahrenheit display	Centigrade (Default)	Fahrenheit	/	/	/

4. Centralized Controller: SD-CCM30 (Optional)

Notes: For some model, the products with factory default cannot be connected with centralized controller.

3.1 Centralized controller specifications

Model	SD-CCM03(A)
Power Supply Voltage	220~240V 50Hz 1Ph
Ambient Temperature Range	-15°C～43°C
Ambient Humidity Range	RH40%~RH90%

Performance Features

1. System composition, centralized control.
2. Keywords and general function description.
3. Technical indices and requirements.
4. Indoor unit working status display.
5. Locking remote controller, locking keyboard of centralized controller and locking running mode.

3.2 Keypad of centralized controller

1) LOCK: In the mode setting mode, press the lock key, and the remote controller of the currently selected air conditioner will be locked or unlocked. The operation mode is: If the single-machine setting is selected, the operation is performed for the air conditioner of the current address only. If the remote controller of the air conditioner is locked currently, issue the lock command; otherwise, send the lock command. If the single-machine mode is not selected, and the remote controller of one or more currently selected air conditioners is locked, issue the unlock command; if the remote controllers of all currently selected air conditioners are in the non-locked status, issue the remote controller lock command.

When the remote controller of the air conditioner is locked, the air conditioner does not receive remote control signals from the remote controller or wired controller until the remote controller is unlocked. Press THE **QUERY** key and then press the **LOCK** key, and the keys of the centralized controller will be locked or unlocked. If the keys are currently locked, press the **LOCK** and ▲ keys concurrently again, and the keys will be unlocked; if the keys are currently unlocked, press the **LOCK** and ▲ keys concurrently, and the keys will be locked. If the keys are locked, pressing any key will be ineffective, except unlock operation. In the unified setting page, press the ▲ key and the **LOCK** key concurrently to lock all air conditioner modules in the network. The mode locking is cancelled when the key is pressed again.

Note: When locking or cancelling lock, the corresponding icon indication appears or disappears only after all the attached air conditioners are set completely, so it takes a time period. When there are many attached air conditioners, please wait patiently.

2) OK: In the setting page, press it to send the currently selected mode status and the auxiliary function status to the selected air conditioner, and display the mode setting operation results. After select the operation mode and auxiliary function status information of the air conditioner, if do not press the **OK** key, the selected information will not be sent to the air conditioner, and will not affect the current operation of the air conditioner.

The operations of remote controller locking and unlocking need no pressing of the **OK** key. The command information is sent directly after the **LOCK** key is pressed.

3) SET: In other display mode, press this key to enter the setting mode. By default, it is single setting, and the first in-service air conditioner is displayed. In setting operation mode, press

the key again, and the operation will be performed for all air conditioners in the network. Press it repeatedly to shift between single setting and global setting.

4) QUERY: Any time when pressing the key, the selected operation mode is to query the operation status of the air conditioner. By default, the first in-service air conditioner will be queried. Through the **ADD** and **REDUCE** keys, the parameter page can be changed to be queried. Through the ▲, ▼, ◀ and ▶ keys, the query status of other air conditioners can be changed.

5) ▲: In the query mode, every time when pressing the key, the operation status data of the air conditioner corresponding to the previous row of the matrix will be displayed. If it is currently in the first row, press the key, and the data of the air conditioner corresponding to the last row will be displayed. If this key was held down, the row will decrease one by one. In the setting mode, every time when press the key, if it is in the single operation mode, the air conditioner corresponding to the last row will be selected. If it is in the global operation mode, no effect will result after the key is pressed. In the main page, press the key to enter the query mode. By default, it is the first in-service air conditioner.

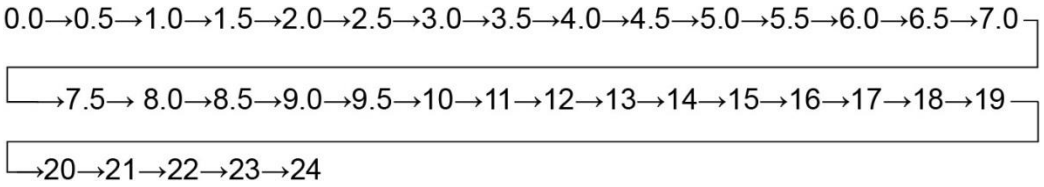
6) ▼: In the query mode, every time when pressing the key, the operation status data of the air conditioner corresponding to the next row of the matrix will be displayed. If it is currently in the last row, press the key, and the data of the air conditioner corresponding to the first row will be displayed. If this key was held down, the row will increase one by one. In the setting mode, every time when press the key, if it is in the single operation mode, the air conditioner corresponding to the last row will be selected. If it is in the global operation mode, no effect will result after the key is pressed. In the main page, press the key to enter the query mode. By default, it is the first in-service air conditioner.

7) ◀: In the query mode, every time when pressing the key, the operation status data of the previous air conditioner will be displayed. If it is currently on the first machine, press it again, and the data of the last machine will be displayed. If this key was held down, the address will decrease one by one. In the setting mode, every time when pressing the key, if it is in single operation mode, the air conditioner of previous in-service address number will be selected.

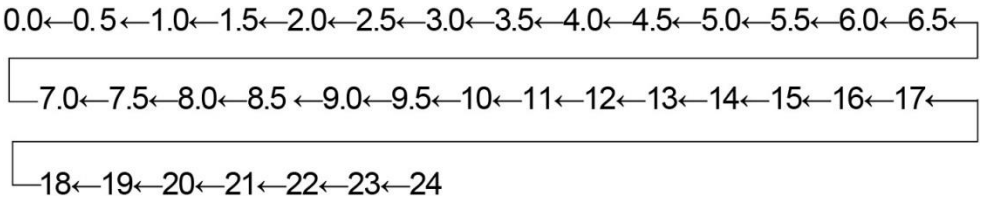
If it is in the global operation mode, no effect will result after the key is pressed. In the main page, press it to enter the query mode. By default, it is the first in-service air conditioner.

8) ▶: In the query mode, every time when pressing the key, the operation status data of the last air conditioner will be displayed. If it is currently on the last machine, press it again, and the data of the first machine will be displayed. If this key was held down, the address will increase one by one. In the setting mode, every time when pressing the key, if it is in single operation mode, the air conditioner of previous in-service address number will be selected. If it is in the global operation mode, no effect will result after the key is pressed. In the main page, press it to enter the query mode. By default, it is the first in-service air conditioner.

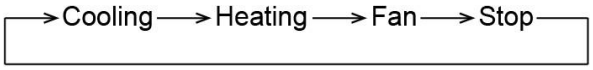
9) ADD: In the main page or the query mode, every time when pressing the key, the data of the current page will be displayed. If it is now in the last page, press the key again, and the first page will be displayed. In the setting mode, every time when pressing the key, if it is in the temperature regulation mode, the set temperature will decrease by 1°C (or 2°C) until the highest allowed set temperature. If it is in the timing startup/shutdown time setting mode, select the upper-level set time, if no time is set, 0.0 will be displayed, if hold down the key, the upper-level data will be selected consecutively. The specific change mode is as follows:



10) REDUCE: In the main page or the query mode, every time when pressing the key, the data of the current page will be displayed. If it is now in the first page, press the key again, and the last page will be displayed. In the setting mode, every time when pressing the key, if it is in the temperature regulation mode, the set temperature will decrease by 1°C (or 2°C) until the lowest allowed set temperature. If it is in the timing startup/shutdown time setting mode, select the upper-level set time, if no time is set, 0.0 will be displayed, if hold down the key, the upper-level data will be selected consecutively. The specific change mode is as follows:

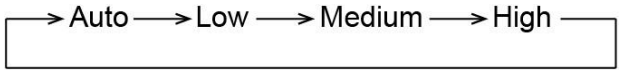


11) MODE: In setting operation mode, press this key to set the operation.

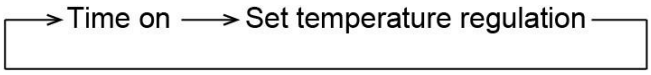


In other display mode, press this key to enter the setting mode. By default, it is single-machine setting, and the first in-service air conditioner is displayed.

12) FAN: In setting operation mode, press this key to set the fan of the indoor unit of the air conditioner to run in the following picture: (For rooftop packages, it is not available.)



13) TIME ON/TIME OFF: In setting operation mode, press them to set the timing startup of air conditioner. Press them again to exit the timing setting, and restore the normal temperature regulation operation mode.



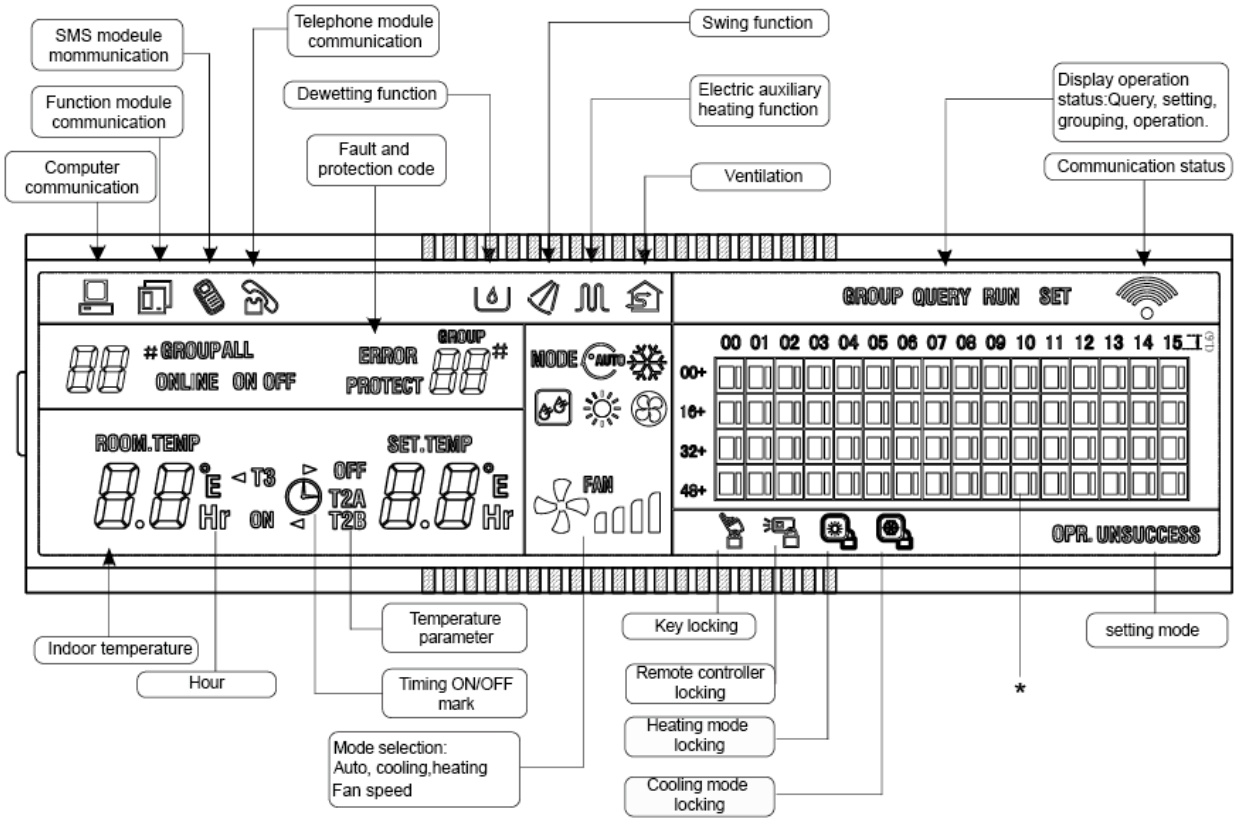
14) SWING: In the setting operation mode, press this key to enable or disable the swing function. If all currently selected air conditioner have no swing function, no effect will result after pressing the key. (For rooftop packages, it is not available.)

15) RESET: Anytime when the **RESET** key is pressed, the centralized controller will reset. The result is the same as the result of restoring power-on after power failure.

16) ON/OFF: Any time when pressing the key, the centralized startup/shutdown operation is performed for all current in-service air conditioners in the centralized controller network. If all in-service air conditioners in the network are in the power-off status, press the key to perform the startup operation. If it is in the mode setting page currently, and the parameters such as startup mode, temperature and air speed are selected, the air conditioner will be started according to the selected parameters. If no mode is selected currently, and the air conditioner is powered off or it is in other display page currently, and the default startup mode is: cooling, high speed fan air, set temperature 24°C, swing function enabled. The default startup mode is locked according to the system mode or judged according to other constraint conditions. If any conflict exists, the next conflict-free mode will apply automatically. If conflict exists for all modes, startup will be impossible. If one or more in-service air conditioners in the network (including in the timing process of timing startup/shutdown), pressing this key will shut down all air conditioners. When performing the shutdown operation, the shutdown command is

issued to the air conditioners in the startup status only, and is not issued to those in the shutdown status.

3.3 Display of the centralized controller



*: The matrix is composed of 4×16 grids and each grid is composed of two blocks of different sizes. The matrix include horizontal coordinates 00-15 and vertical coordinates 00+, 16+, 32+ and 48+, which indicate the address of the indoor unit. The sum of the horizontal coordinate and vertical coordinate of the grid is the address of the grid. Each grid corresponds to an indoor unit of this address.

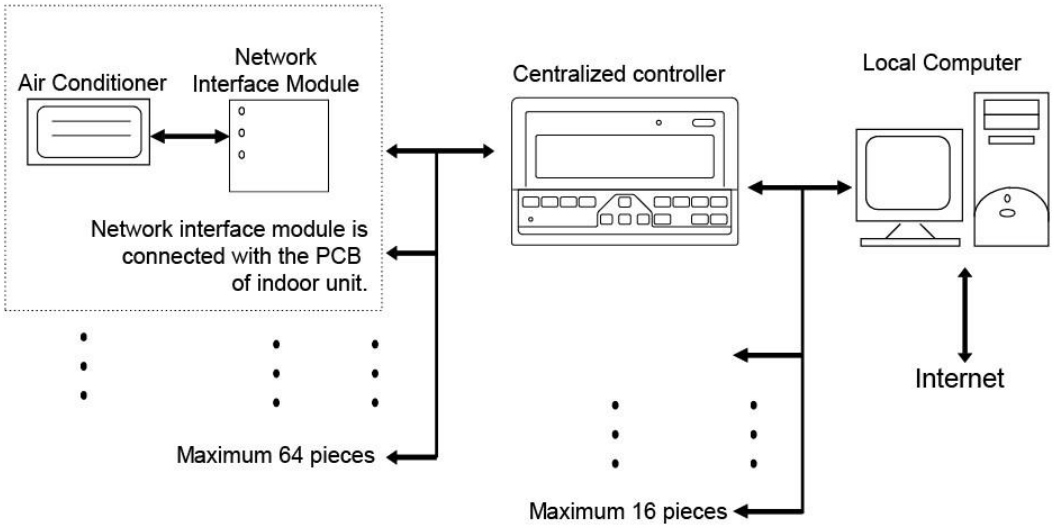
3.4 Operation instructions

1) System composition:

✓ The centralized controller is used to perform centralized control and data query for the network air conditioner. Each centralized controller can communicate with a maximum of 64

air conditioners to make up an air conditioner LAN, and implement centralized monitoring for the air conditioners in the network.

- ✓ The centralized controller can be interfaced with computer or gateway to implement centralized control and status query for all air conditioners in the network. It can be connected with WAN via computer or gateway to implement remote computerized control (with support of computer software). Each local computer or gateway can be connected to 16 centralized controllers as a maximum.
- ✓ The master or slave answer mode is implemented for communication between the centralized controller and the air conditioner, between the computer and the centralized controller. In the LAN composed of centralized controller and air conditioner, the centralized controller is a master, and the air conditioner is a slave. In the LAN composed of computer and centralized controller, the computer or gateway is a master, and the centralized controller is a slave.
- ✓ The schematic diagram of network control system composition of air conditioner:



2) **Keywords and general function description:**

- ✓ Power on or reset:

When the centralized controller is powered on or reset, all display segments of the LCD are luminous for 2 seconds and then goes off. 1 second later, the system enters the normal

display status. The centralized controller is in the main page display status and displays the first page, and searches the in-service air conditioners in the network. Once the search is finished, the centralized controller enters the mode setting page, and sets the first in-service air conditioner by default.

- ✓ Network area address of centralized controller:

  The local computer or gateway can be connected with 16 centralized controllers for communication. Each centralized controller serves as an area of the air conditioner network. The centralized controllers are differentiated by bit selection address. The configurable range is 0~15.

- ✓ State indication:

  If any local keypad operation is setting the operation status of the air conditioner, the indicator is on when the signals are sent. Upon completion of the setting process, the indicator goes off. If an in-service air conditioner in the network is faulty, or the centralized controller network itself is faulty, the indicator will blink at 2Hz.

  If one or more in-service air conditioners in the network are running, including under setting of timing start or shutdown, the indicator will be luminous. Otherwise, the indicator is off.

- ✓ Locking of centralized controller:

  After receiving the centralized controller locking command sent from the computer, the centralized controller disables the startup or shutdown and setting or the air conditioner, and sends commands to lock remote controllers of all air conditioners in the network of the centralized controller. After receiving the unlocking command, the centralized controller enables the startup or shutdown operation, and sends commands to unlock the remote controller of all air conditioners.

  The locking status of the remote controller can be locked or unlocked by the computer or centralized controller separately. The locking status of the centralized controller is memorized after power failure of the centralized controller, and will not vanish after the power supply is restored, unless the command of unlocking is received.

- ✓ Mode locking function:

  After the mode locking command is received, the command is forwarded to the air conditioner, and the centralized controller displays the mode locking flag. After the command of unlocking

is received, the non-conflict mode can be selected freely. The centralized controller can also lock modes of all indoor units.

- ✓ Emergent shutdown and compulsory startup:

  If the emergent switch of the centralized controller was switch off, all air conditioners in the network of the centralized controller will be shut down compulsorily. The centralized controller and computer and all functional modules are disabled from startup and shutdown until the foregoing switch is turned off. If the switch was turned on, all air conditioners in the network of the centralized controller will be start up compulsorily. By default, they will run in the cooling mode. The startup and shut-down operations of the centralized controller and the computer and all functional modules will be disabled (Only the command of startup is sent to the air conditioner, without affecting operation of the remote controller after startup) until the foregoing switch is turned off. If the foregoing two switches are turned on concurrently, the emergent shutdown switch shall have preference.

3.5 General display data entries

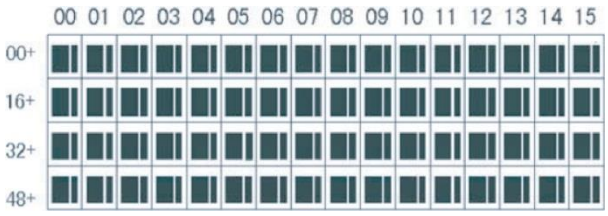
1) General display data is displayed in all display pages.

- ✓ Under the interconnected control of the computer or gateway, the data is displayed in graphic ( ). Otherwise, no data is displayed.
- ✓ If the centralized controller is connected with the functional module for communication, the data is displayed in graphics ( ). Otherwise, no data is displayed.
- ✓ If the centralized controller is connected with the SMS remote control module for communication, the data is displayed in graphics ( ). Otherwise, no data is displayed.
- ✓ If the centralized controller is connected with the telephone remote control module for communication, the data is displayed in graphics ( ). Otherwise, no data is displayed.
- ✓ In normal operation of the centralized controller, the periodical cycle module communicates with the network interface module, and the data is displayed dynamically and cyclically: (blank), ◦ , , .
- ✓ In the centralized control locked status or the keypad locked status, the locking flag ( ) is displayed. After unlocking, it is not displayed. In the centralized controller locked status or the keypad locked status, the locking flag is displayed constantly. If both of them are locked concurrently, the locking flag is displayed constantly.

- ✓ In the setting page, if the selected air conditioner is in the remote controller locked status (in case of non-single machine operation, as long as one machine is in the remote controller locked status, it is deemed the locked status), the flag ( ) is displayed constantly.
- ✓ If all indoor units lock the cooling mode, this flag ( ) will display, and if all indoor units lock the heating mode, the flag ( ) will display.

2) Data display handling

- ✓ Indoor unit code (address) display: display range: 00~63, and with # being luminous concurrently.
- ✓ Indoor temperature display: display range: 00~99°C. The indoor temperature is displayed concurrently. If the temperature is higher than 99°C, 99°C will be displayed. If the temperature value is invalid, '--' will be displayed.
- ✓ If timing startup or shutdown is set, the flag ( ) is displayed.
- ✓ T3, T2A and T2B display: in the single-machine query page, display can shift between T3, T2A and T2B; by the way, the temperature value is displayed concurrently, with the corresponding °C being luminous.
- ✓ In case of air conditioner fault or protection, the corresponding fault code or protection, the corresponding fault code or protection code can be displayed.
- ✓ Liquid crystal matrix display description:



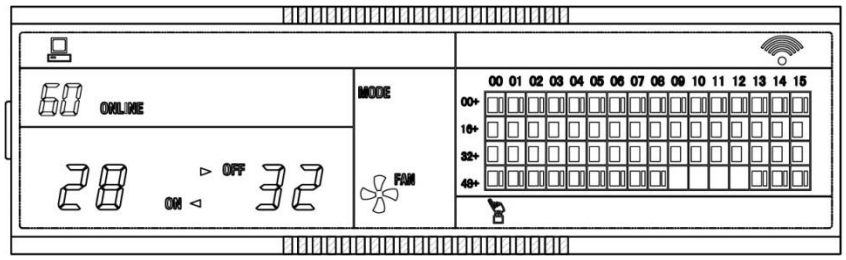
The liquid crystal matrix is composed of 4×16 grids, and each grid is composed of two blocks of different sizes. The matrix includes horizontal coordinates 00~15 on the upper side and vertical coordinates 00+, 16+, 32+ and 48+ on the left side, which indicate the address of the indoor unit. The sum of the horizontal coordinate and the vertical coordinate of the grid is the address of the grid. Each grid corresponds to an indoor unit of this address. One grid is composed of two blocks of different sizes. The status indication table is as follows;

	Constantly on	Slow blink		Fast blink
Big black block	In-service	Selected		Out of service
Small black block	Power on		Fault of indoor or outdoor unit	Power off

3) LCD display description

✓ Description of the standby page

The LCD displays the standby page, 60 air conditioners are in service, of which 28 are powered on and 32 off.



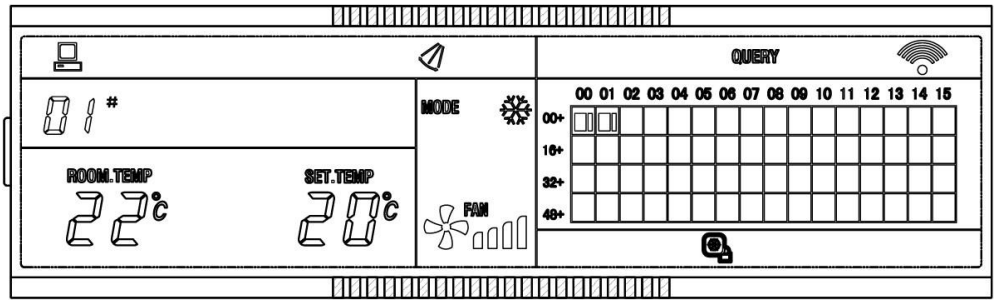
In the matrix, the bid dots from (00, 16+) to (15, 32+) are luminous, and the small dots are not luminous. It indicates the 32 air conditioners with the addresses from 16 to 47 are powered off.

In the matrix, the big and small dots from (09, 48+) to (12, 48+) are not luminous. It indicates the four air conditioners with the address from 57 to 60 are outside the network. All other big and small dots in the matrix are luminous. It indicates all other air conditioners are in the network and powered on.

The address of the air conditioner is sum of the coordinates. For example, the address of (09, 48+) is 09+48=57.

The centralized controller keypad is locked, and the centralized controller communicates with the computer normally.

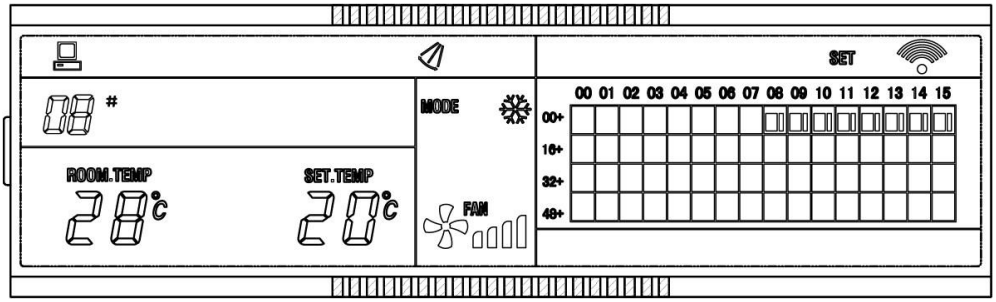
✓ Description of the query page



The LCD displays the query page, and the air conditioner with the address of 08 is being queried. Mode of the air conditioner with the address 01 is cooling, high speed air supply, swing on, indoor temperature 22°C, setting temperature 20°C and cooling mode locked. In the matrix, only the big and small black dots at (00, 00+) and (01, 00+) are luminous. It indicates the in-service and power-on status of the air conditioners with the addresses of 00 and 01.

The centralized controller communicates with the computer normally.

✓ Description of the setting page

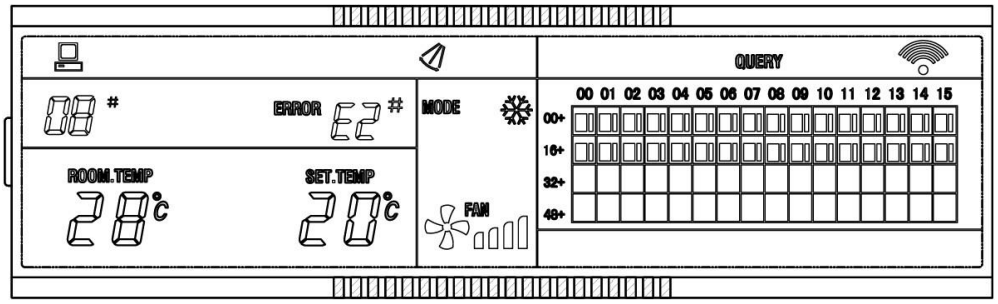


The LCD displays the setting page, and queries the air conditioner with the address of 08. The mode of the air conditioner with the address 08 is: cooling, high speed air supply, swing on, indoor temperature 28°C, setting temperature 22°C and cooling.

In the matrix, only the big black dots from (08, 00+) to (15, 00+) are luminous. It indicates the air conditioners with the addresses from 08 to 15 are in service.

The centralized controller communicates with the computer normally.

✓ Fault page display description



Query the air conditioner with the address of 08 in the query page. The air conditioner with the address of 08 is faulty, and the fault code is E2. The big black dot below (08, 00+) blinks.

In the matrix, only the big and small black dots from (00, 00+) to (15, 16+) illuminate. It indicates the in-service status of the air conditioners with the addresses from 00 to 31.

The centralized controller communicates with the computer normally.

SHINKO

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