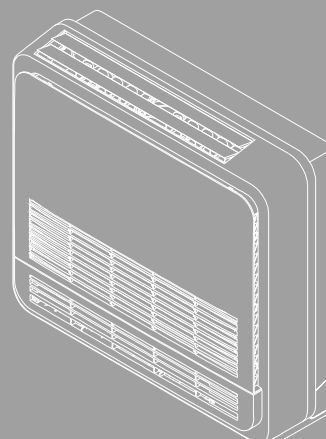
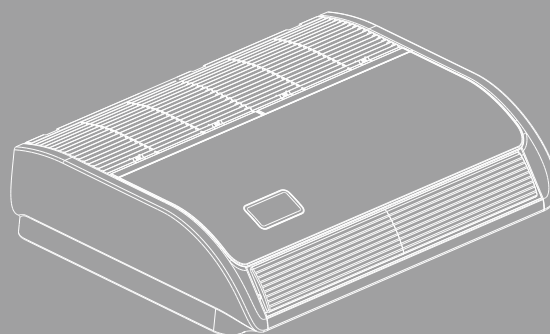
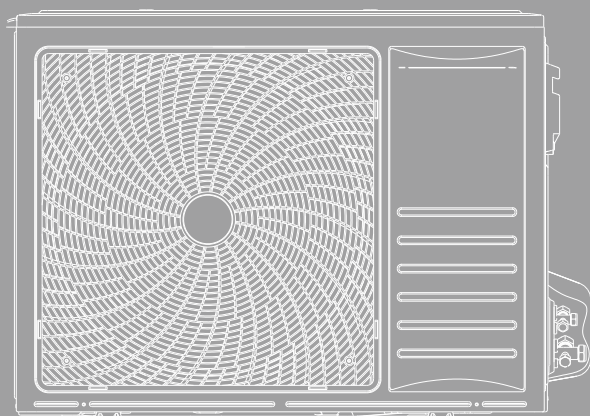
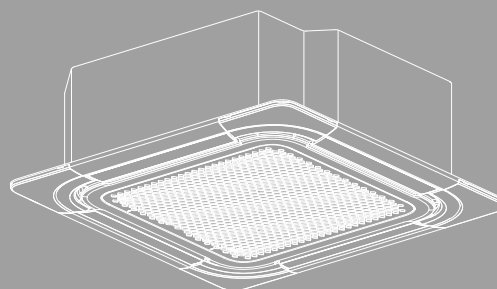
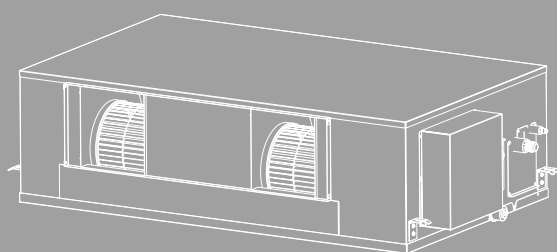


TECHNICAL & SERVICE MANUAL

LCAC HEAVY EU DC INVERTER R32 2025



Models

Heat pump type

< Indoor Units >

Duct

ADT-09UX4RBL8
ADT-12UX4RBL8
ADT-18UX4RCL8
AUD-24UX4RFM8
AUD-36UX4REH8
AUD-48UX4REH8
AUD-60UX4REH8
AUD-85UX4RPH8

Compact Cassette

ACT-12UR4RCC8
ACT-18UR4RCC8

Cassette

ACT-24UR4RJC8
AUC-36UR4RKC8
AUC-48UR4RKC8
AUC-60UR4RKC8

Ceiling & Floor

AVT-24UR4RB8
AUV-36UR4RC8
AUV-48UR4RC8
AUV-60UR4RC8

Console

AKT-09UR4RK8
AKT-12UR4RK8

< Outdoor Units >

Turbo Inverter:

AUW-09U4RS8
AUW-12U4RS8
AUW-48U6RN8
AUW-60U6RW8
AUW-85U6RZ8

Super Inverter

AUW-18U4RS7
AUW-24U4RJ7
AUW-36U4RK7

NOTE:

Heating function is not available for cooling only models.

SAFETY SUMMARY

IMPORTANT NOTICE

- We pursue a policy of continuing improvement in design and performance of products. The right is therefore reserved to vary specifications without notice.
- We cannot anticipate every possible circumstance that might involve a potential hazard.
- This air conditioner is designed for standard air conditioning only. Do not use this air conditioner for other purposes such as drying clothes, refrigerating foods or for any other cooling or heating process. Do not let the air-out face animals or plants, it might have an adverse effect on them.
- The installer and system specialist shall secure safety against leakage according to local regulations or standards.
- Signal words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

DANGER

: Immediate hazards which WILL result in severe personal injury or death.

WARNING

: Hazards or unsafe practices which COULD result in severe personal injury or death.

CAUTION

: Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.

NOTE

: Useful information for operation and/or maintenance.

- Installation should be performed by the dealer or other professional personnel. Improper installation may cause water leakage, electrical shock, or fire.

DANGER

- Do not perform installation work, refrigerant piping work, drain piping and electrical wiring connection without referring to our installation manual. If the instructions are not followed, it may result in a water leakage, electric shock or a fire.
- Use refrigerant R32 in the refrigerant cycle.
- Do not pour water into the indoor or outdoor unit. These products are equipped with electrical parts. If poured, it will cause a serious electrical shock.
- Do not open the service cover or access panel for the indoor or outdoor units without turning OFF the main power supply.
- Do not touch or adjust safety devices inside the indoor or outdoor units. If these devices are touched or readjusted, it may cause a serious accident.
- Refrigerant leakage can cause difficulty in breathing due to insufficient air. Turn OFF the main switch, extinguish any naked flames and contact your service contractor, if refrigerant leakage occurs.
- Do perform air-tight test. Do not charge oxygen, acetylene or other flammable and poisonous gases into the refrigerant cycle when performing a leakage test or an air-tight test. These types of gases are extremely dangerous and can cause an explosion. It is recommended that nitrogen be used for this test.
- The installer and system specialist shall secure safety against refrigerant leakage according to local regulations or standards.
- Use an ELB (Electric Leakage Breaker). In the event of a fault, there is danger of an electric shock or a fire if it is not used.

WARNING

- Do not use any sprays such as insecticide, lacquer, hair spray or other flammable gases within approximately one (1) meter from the system.

- If circuit breaker or fuse is often activated, stop the system and contact your service contractor.
- Check that the ground wire is securely connected. If the unit is not correctly grounded, it will lead to electric shock. Do not connect the ground wiring to gas piping, water piping, lightning conductor or ground wiring for telephone.
- Before performing any brazing work, check to ensure that there is no flammable material around when using refrigerant. Be sure to wear leather gloves to prevent cold injuries.
- Protect the wires, electrical parts, etc. from rats or other small animals.
If not protected, rats may gnaw at unprotected parts, which may lead to fire.
- Fix the cables securely. External forces on the terminals could lead to a fire.
- Install the air conditioner on a solid base that can support the unit weight. An inadequate base or incomplete installation may cause injury in the event the unit falls off the base. Incomplete connections or clamping may cause terminal overheating or fire.
- Make sure that the outdoor unit is not covered with snow or ice, before operation.

⚠ CAUTION

- Do not step or put any material on the product.
- Do not put any foreign material on the unit or inside the unit.

NOTE

- It is recommended that the room be ventilated every 3 to 4 hours.
- The air conditioner may not work properly under the following circumstances.
The power transformer provides the same power or power as the air conditioner. The electrical equipment is too close to the power supply of the air conditioner. With the sharp change of power consumption and switching action, the power supply of the air conditioner will generate a large induction surge voltage.

CHECKING PRODUCT RECEIVED

- Upon receiving this product, inspect it for any shipping damage. Claims for damage, either apparent or concealed, should be filed immediately with the shipping company.
- Check the model number, electrical characteristics (power supply, voltage and frequency) and accessories to determine if they are correct.
The standard utilization of the unit shall be explained in these instructions.
Therefore, the utilization of the unit other than those indicated in these instructions is not recommended.
Please contact your local agent, as the occasion arises.

- ☑ • *The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.*
- *Letter K in the manual stands for kBtu/h, for example 9K,12K,18K,24K,36K, which means model size, not real capacity.*

Table of Contents

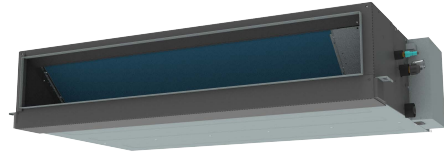
1. General	1
1.1 Features	1
1.6 Product appearance	5
2. Outlines and dimensions	10
2.1 Indoor units	10
2.2 Outdoor units	18
3. Electrical data	24
4. Capacities and selection data	25
4.1 Capacity characteristic charts	25
4.2 Piping length correction factor	53
4.3 Correction factors according to defrosting operation	55
5. Sound pressure data	56
6. Air flow distribution	66
7. ESP (External static pressure) chart (Duct type)	82
8. Fresh air intake function	90
9. Refrigerant cycle	93
10. Wiring diagram	97
10.1 Electrical wiring diagrams	97
10.2 Control board picture	107
10.3 Common wiring	119
11. Field setting	121
11.1 Indoor unit air flow DIP switch	121
11.2 Outdoor unit DIP switch	122
11.3 ESP setting	124
11.4 Indoor unit parameter revision	125
11.5 Running parameter query	129
11.6 Instructions for the function setting of access control, fire protection, ON/OFF	131
12. Piping work and refrigerant charge	135
12.1 MAX. length allowed	135
12.2 Oil trap	136
12.3 Air tight test	137
12.4 Additional refrigerant charge	137
13. Installation tools and installation flow chart	138
13.1 Necessary tools and instrument list for installation	138
13.2 Installation flow chart	139
14. Control mode	140
14.1 Indoor unit mode control	140
14.2 Outdoor unit mode control	143
15. Sensor parameter	144
16. Troubleshooting	153
16.1 Trouble guide	153
16.2 Fault codes	159
17. Checking components	171
17.1 Check refrigerant system	171
17.2 Check parts unit	172
18. Disassembly and assembly for compressor and motor	175
19. Control logic description	194

1. GENERAL

1. General

1.1 Features

Duct Type Air Conditioner



Features

➤ **Saving Installation Space**

The indoor unit can be installed inside the ceiling conveniently.

➤ **Optional Static Pressure**

Optional ESP, a variety of optional installation methods.

➤ **24-hour Timer ON and OFF**

This Timer can be set to automatically turn the unit on or off within a 24-hour period.

➤ **Mute Operation**

The excellent fan design enables smooth airflow with minimum noise.

➤ **Meeting Various Installation Requirements**

Both the back-air-inlet type and down-air-inlet type can be installed according to the actual installation space. Difference lies in that the noise of the down-air-inlet type increases by 5-6dB.

➤ **Auto Re-start from Power Failure**

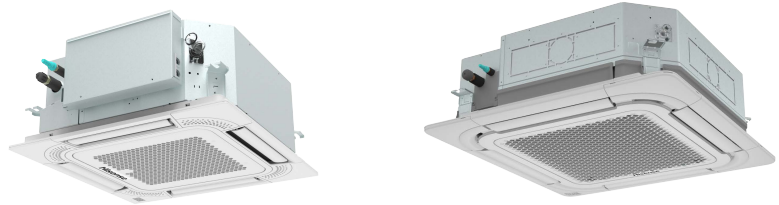
When the power supply is restored from power failure, all presets are still effective and the air-conditioner will run according to the previous setting.

➤ **Fault Self-diagnosis Function**

When there is a problem in the air conditioner, the microcomputer could diagnose the faults, which can be read from the display and is convenient for maintenance.

1. GENERAL

Cassette Type Air Conditioner



Features

➤ **Saving Installation Space**

The indoor unit can be installed inside the ceiling conveniently.

➤ **24-hour Timer ON and OFF**

This Timer can be set to automatically turn the unit on or off within a 24-hour period.

➤ **Mute Operation**

The excellent fan design enables smooth airflow with minimum noise.

➤ **Auto re-start from Power Break**

When the power supply is recovered after power break, all presets are still effective and the air-conditioner will run according to the previous setting.

➤ **Fault Self-diagnosis Function**

When there is a problem in the air-conditioner, the microcomputer can diagnose the faults, which can be read from the display and is convenient for maintenance.

1. GENERAL

Ceiling & Floor Air Conditioner



Features

➤ **Saving Installation Space**

The indoor unit is only 230mm high, so it can be installed inside the ceiling conveniently.

➤ **Flexible Installation Options**

According to the actual installation space, the indoor unit can be installed in the ceiling or on the floor. One unit, two installation methods.

➤ **24-hour Timer ON and OFF**

This Timer can be set to automatically turn the unit on or off within a 24-hour period.

➤ **Mute Operation**

The excellent fan design enables smooth airflow with minimum noise.

➤ **Various Refrigerant Pipe Connecting Methods**

The refrigerant pipe can be connected from 3 different directions (rear, right, or top).

➤ **Auto Re-start from Power Break**

When the power supply is recovered after power break, all presets are still effective and the air conditioner will run according to the previous setting.

➤ **Fault Self-diagnosis Function**

When there is a problem in the air conditioner, the microcomputer could diagnose the faults, which can be read from the display and is convenient for maintenance.

1. GENERAL

Console Type Air Conditioner

Features

➤ **Flexible Installation Options**

According to the actual installation space, the indoor unit can be installed in any of the three styles. One unit, three installation methods.



➤ **24-hour Timer ON and OFF**

This Timer can be set to automatically turn the unit on or off within a 24-hour period.

➤ **Mute Operation**

The excellent fan enables smooth airflow with minimum noise.

➤ **Various Refrigerant Pipe Connect Methods**

The refrigerant pipe can be connected from 6 different directions. More methods, more conveniently.

➤ **Auto Re-start from Power Break**

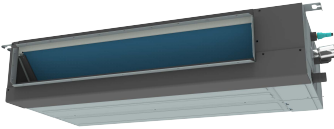
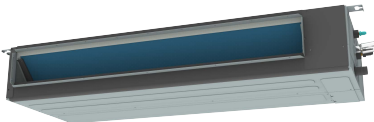
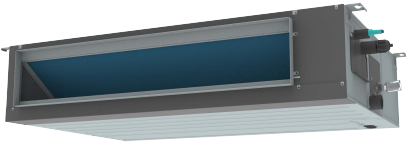
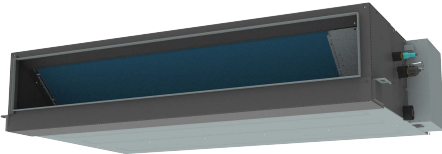
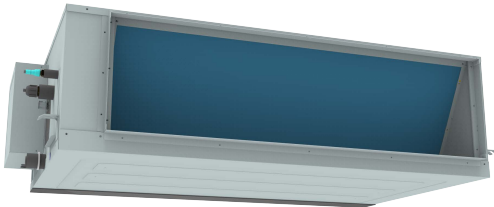
When the power supply is recovered after power break, all presets are still effective and the air-conditioner will run according to the previous setting.

➤ **Fault Self-diagnose Function**

When there is a problem in the air-conditioner, the microcomputer can diagnose the faults, which can be read from the display and is convenient for maintenance.

1. GENERAL

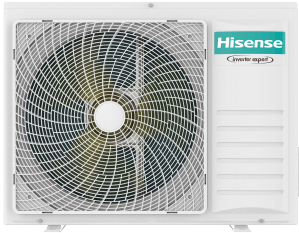
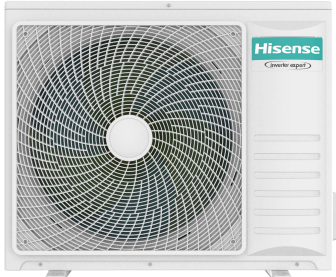
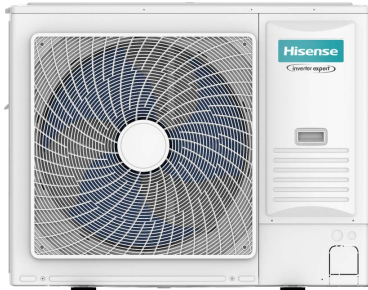
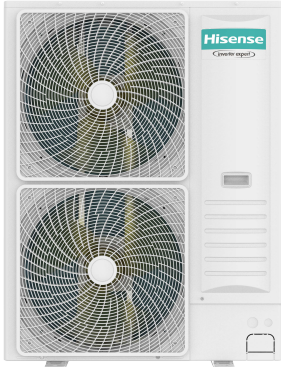
1.2 Product appearance

Duct type	Cassette type
ADT-09UX4RBL8 ADT-12UX4RBL8 	ACT-12UR4RCC8 ACT-18UR4RCC8 
ADT-18UX4RCL8 	ACT-24UR4RJC8 
AUD-24UX4RFM8 	
AUD-36UX4REH8 AUD-48UX4REH8 AUD-60UX4REH8 	AUC-36UR4RKC8 AUC-48UR4RKC8 AUC-60UR4RKC8 
AUD-85UX4RPH8 	

1. GENERAL

Ceiling & Floor type	Console type
AVT-24UR4RB8 AUV-36UR4RC8 AUV-48UR4RC8 AUV-60UR4RC8 	AKT-09UR4RK8 AKT-12UR4RK8 

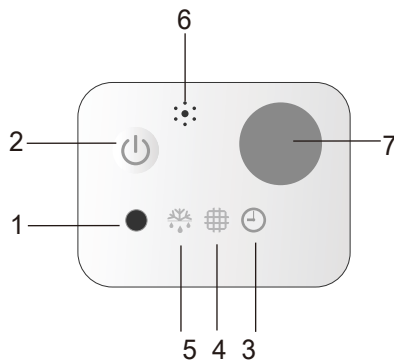
1. GENERAL

Outdoor unit	Outdoor unit
AUW-09U4RS8 AUW-12U4RS8 AUW-18U4RS7 	AUW-24U4RJ7 
AUW-36U4RK7 	AUW-60U6RW8 
AUW-48U6RN8 	AUW-85U6RZ8 

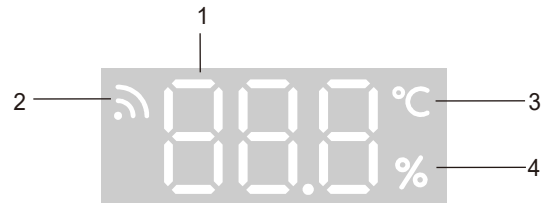
1. GENERAL

Display panel

Cassette & Console type



Compact Cassette



Cassette/Console

Description

Compact Cassette

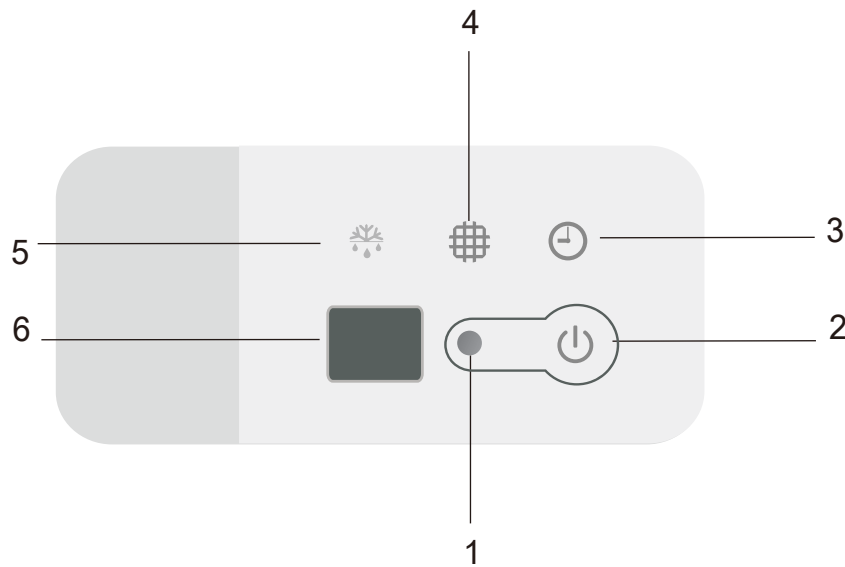
- 1 Run indicator (Red)**
It lights on during operation. It lights off during SLEEP mode.
- 2 Emergency switch**
The filter clean indicator is reset when the switch is pressed. The unit will be started or stopped when the switch is pressed. The unit will be operated in forced cooling mode if press the switch continuously for more than 5s when the unit is off.
- 3 Timer indicator (Green)**
It lights on when timer is in use. It lights off when timer completes.
- 4 Filter clean (Yellow)**
It lights on when the filter should be cleaned.
- 5 Defrost indicator (Green)**
It lights on during defrosting and it lights off when defrosting is complete.
- 6 Buzzer**
It rings when the signal from remote controller is received.
- 7 Infrared receiver**
Receives signal from the remote controller.

Cassette & Console

- 1 Temperature/humidity indicator**
Display indoor set temperature or indoor temperature; Display indoor humidity (models without a humidity sensor display "—").
- 2 Wi-Fi receiver**
It lights up when Wi-Fi is connected. It stops lighting when Wi-Fi is disconnected.
- 3 Temperature Unit (°C) indicator**
It lights up when the air conditioner displays with Celsius temperature, and stops lighting when it is displays with Fahrenheit temperature.
- 4 Humidity indicator**
It lights up when display humidity.

1. GENERAL

Ceiling & Floor type



Description

- 1 Run indicator (Red)**
It lights on in operation. It lights off in SLEEP mode.
- 2 Emergency switch**
The filter cleaning indicator is reset when the switch is pressed. The unit will be started or stopped once the switch is pressed. The unit will be operated in forced cooling mode if press the switch continuously for more than 5s when the unit is off.
- 3 Timer indicator (Green)**
It lights on when timer is in use. It lights off when timer completes.
- 4 Filter cleaning (Yellow)**
It lights on when the filter needs to be cleaned.
- 5 Defrosting indicator (Green)**
It lights on during defrosting and it lights off when defrosting is completed.
- 6 Infrared receiver**
Receives signal from the remote controller.

2. OUTLINES AND DIMENSIONS

2. Outlines and dimensions

2.1 Indoor units

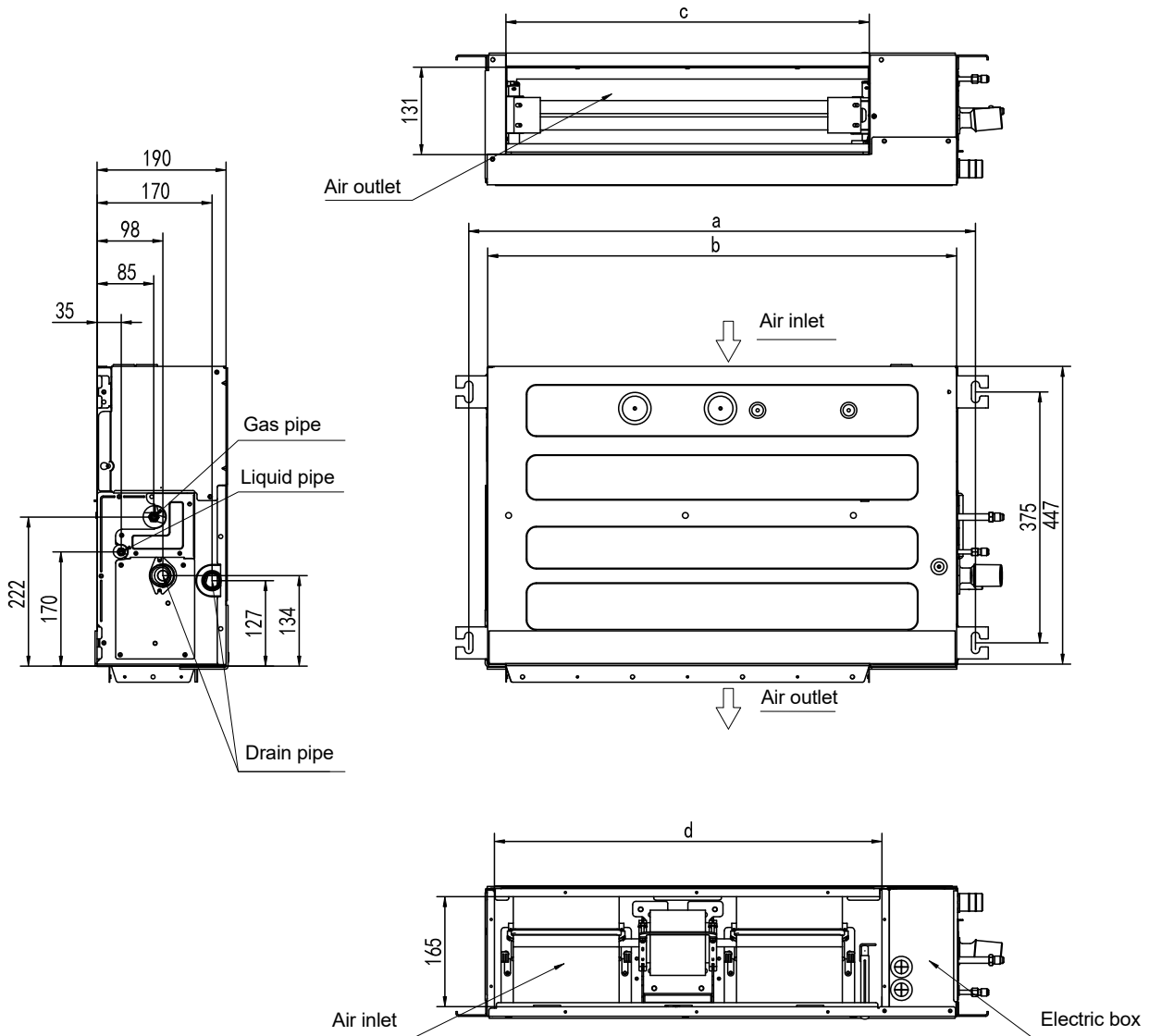
Duct type

ADT-09UX4RBL8

ADT-12UX4RBL8

ADT-18UX4RCL8

Unit: (mm)

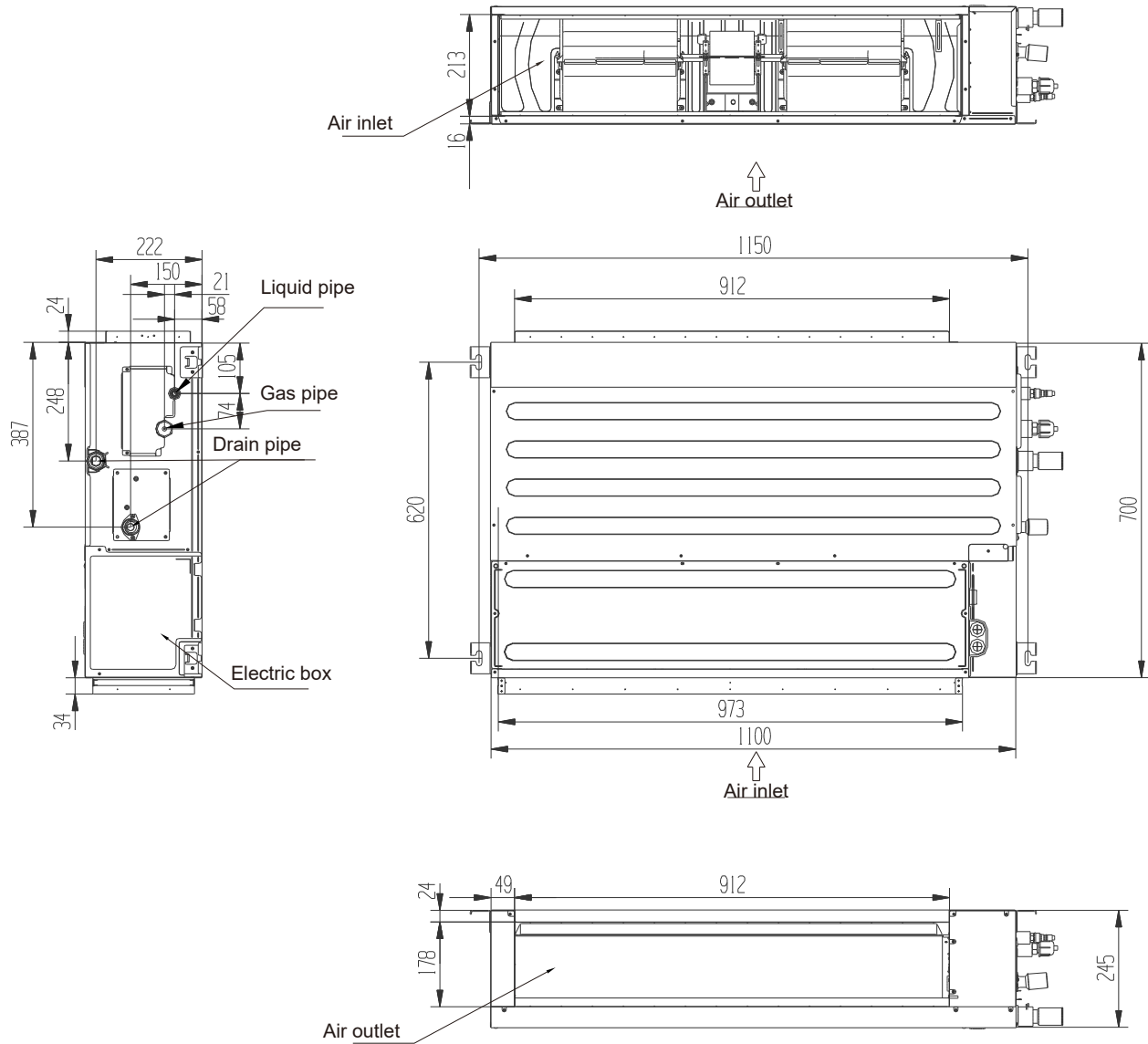


Model	a	b	c	d
9 / 12	961	910	749	786
18	1231	1180	1019	1056

2. OUTLINES AND DIMENSIONS

AUD-24UX4RFM8

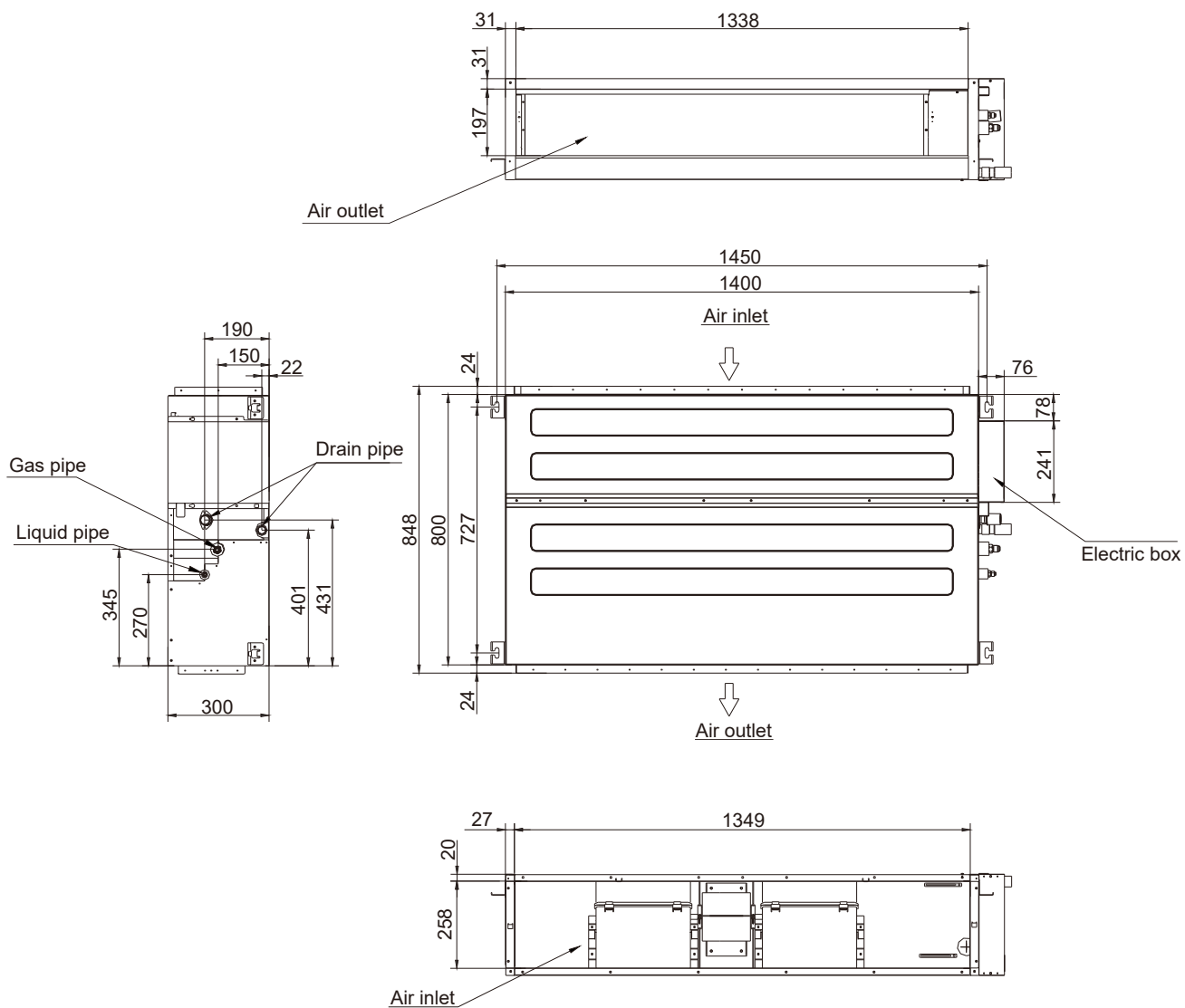
Unit: (mm)



2. OUTLINES AND DIMENSIONS

AUD-36UX4REH8
AUD-48UX4REH8
AUD-60UX4REH8

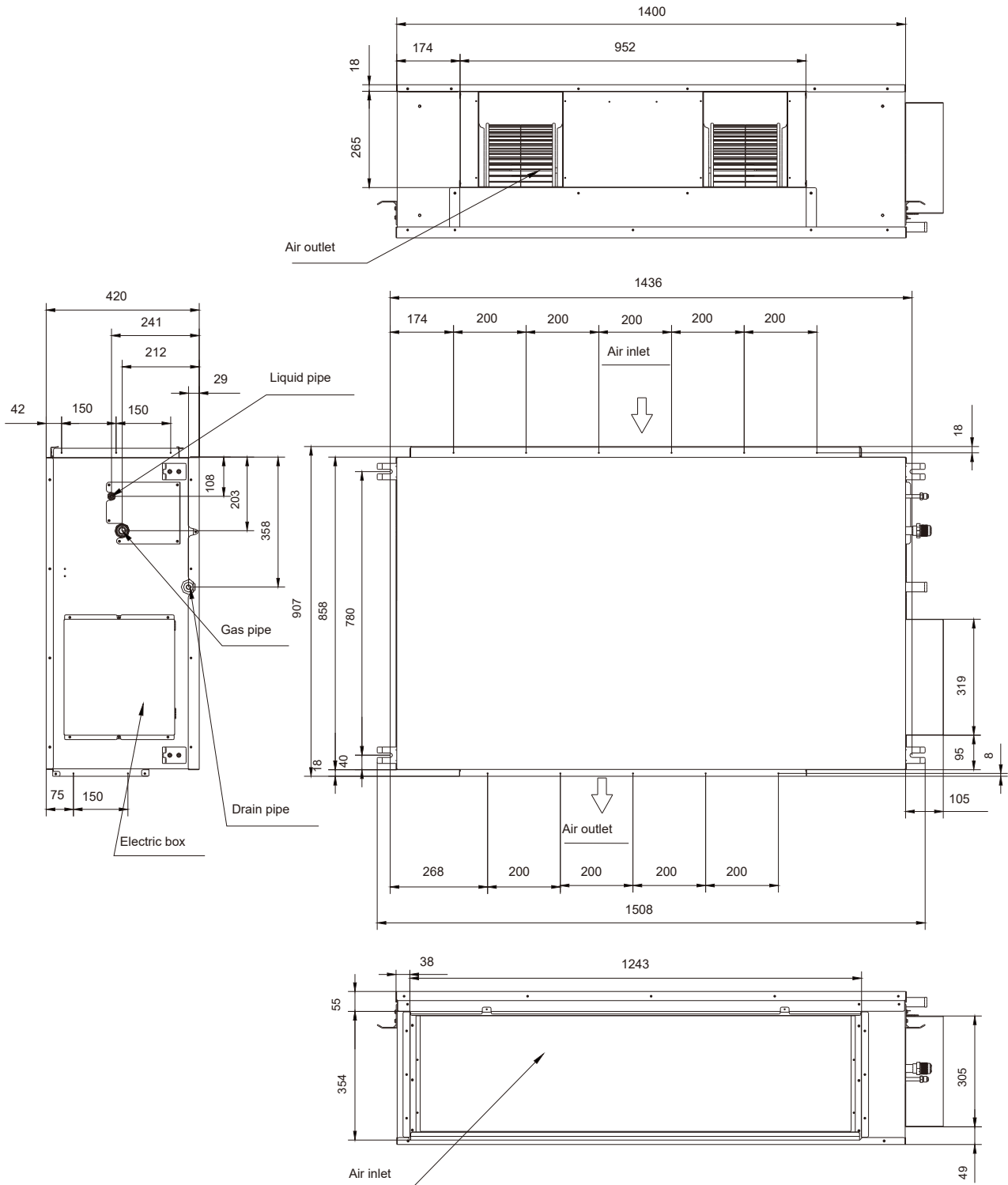
Unit: (mm)



2. OUTLINES AND DIMENSIONS

AUD-85UX4RPH8

Unit: (mm)



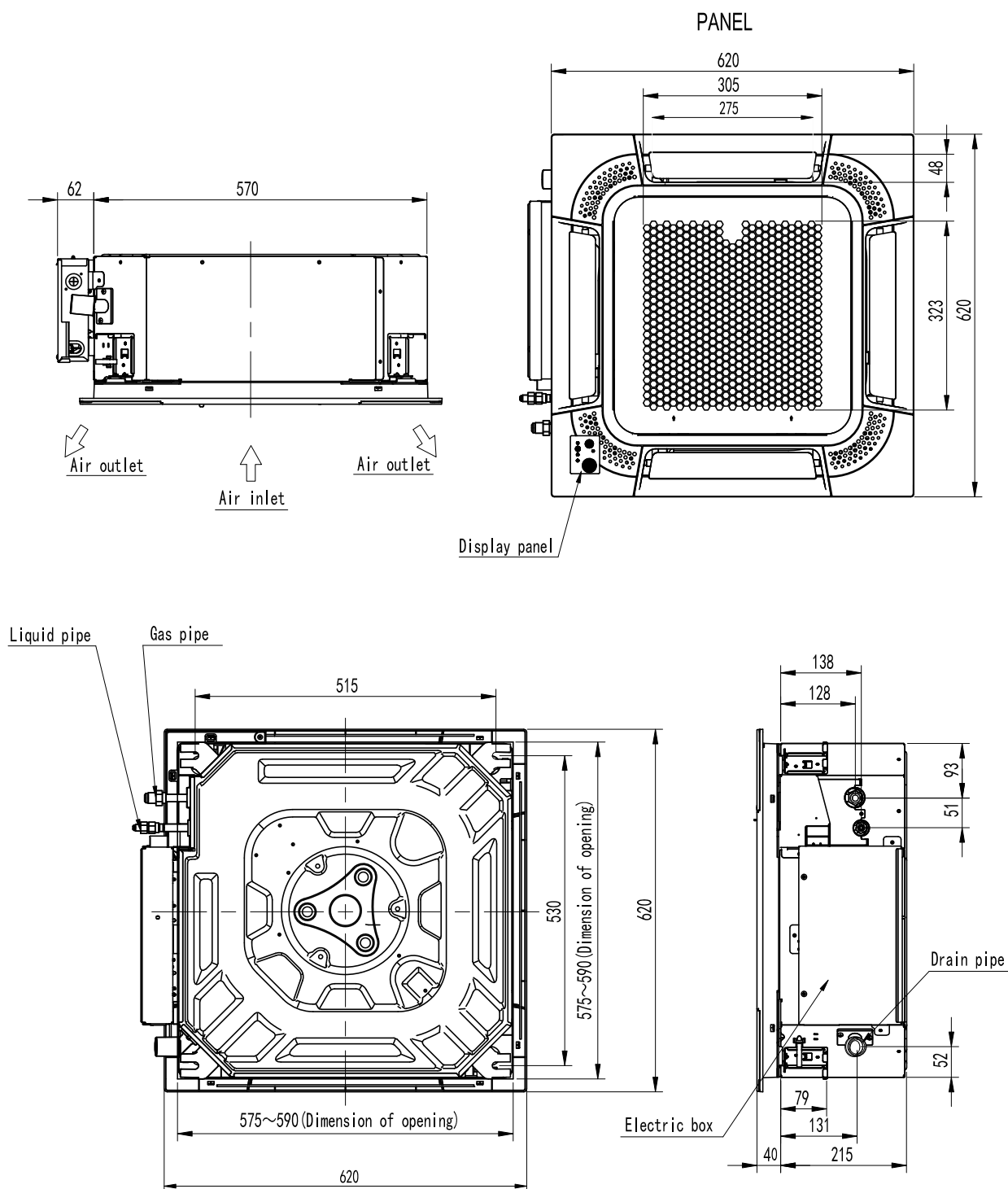
2. OUTLINES AND DIMENSIONS

Compact Cassette type

ACT-12UR4RCC8

ACT-18UR4RCC8

Unit: (mm)



2. OUTLINES AND DIMENSIONS

Cassette type

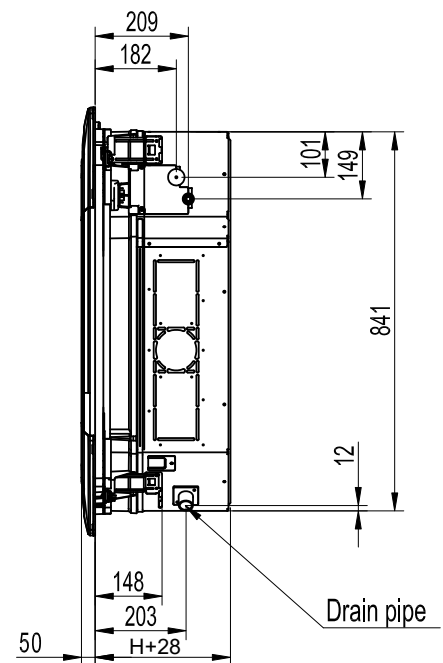
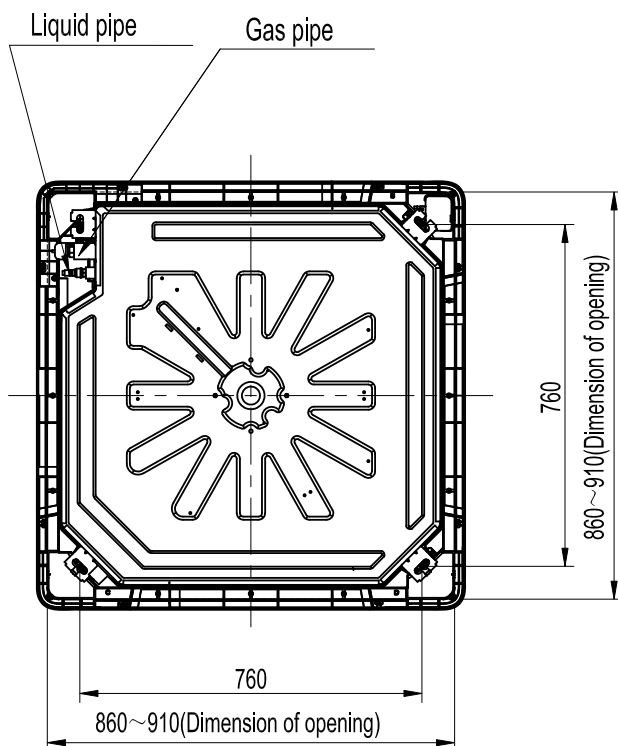
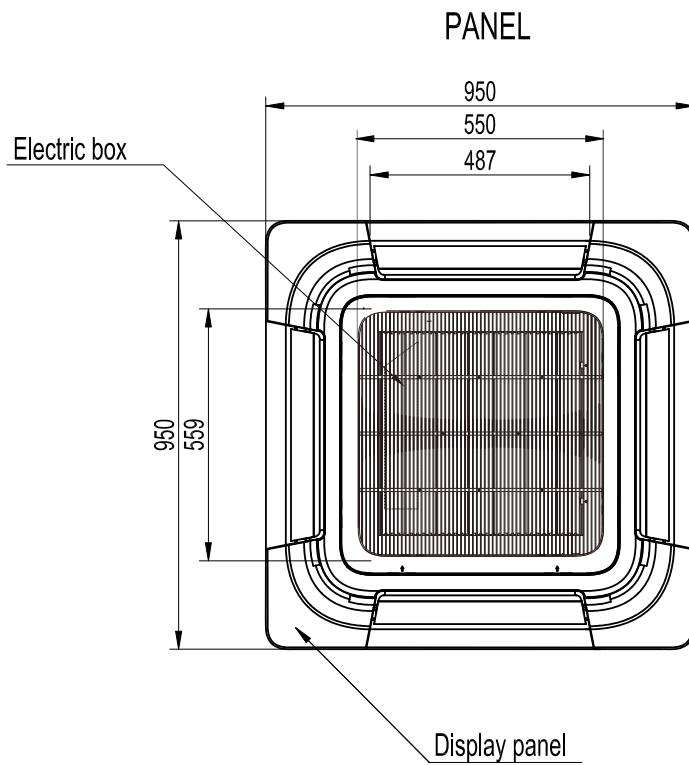
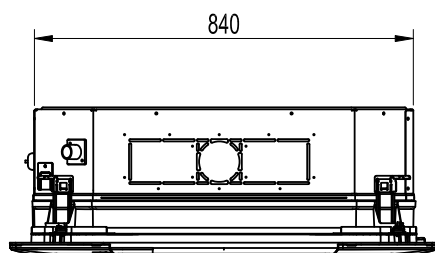
ACT-24UR4RJC8

AUC-36UR4RKC8

AUC-48UR4RKC8

AUC-60UR4RKC8

Unit: (mm)



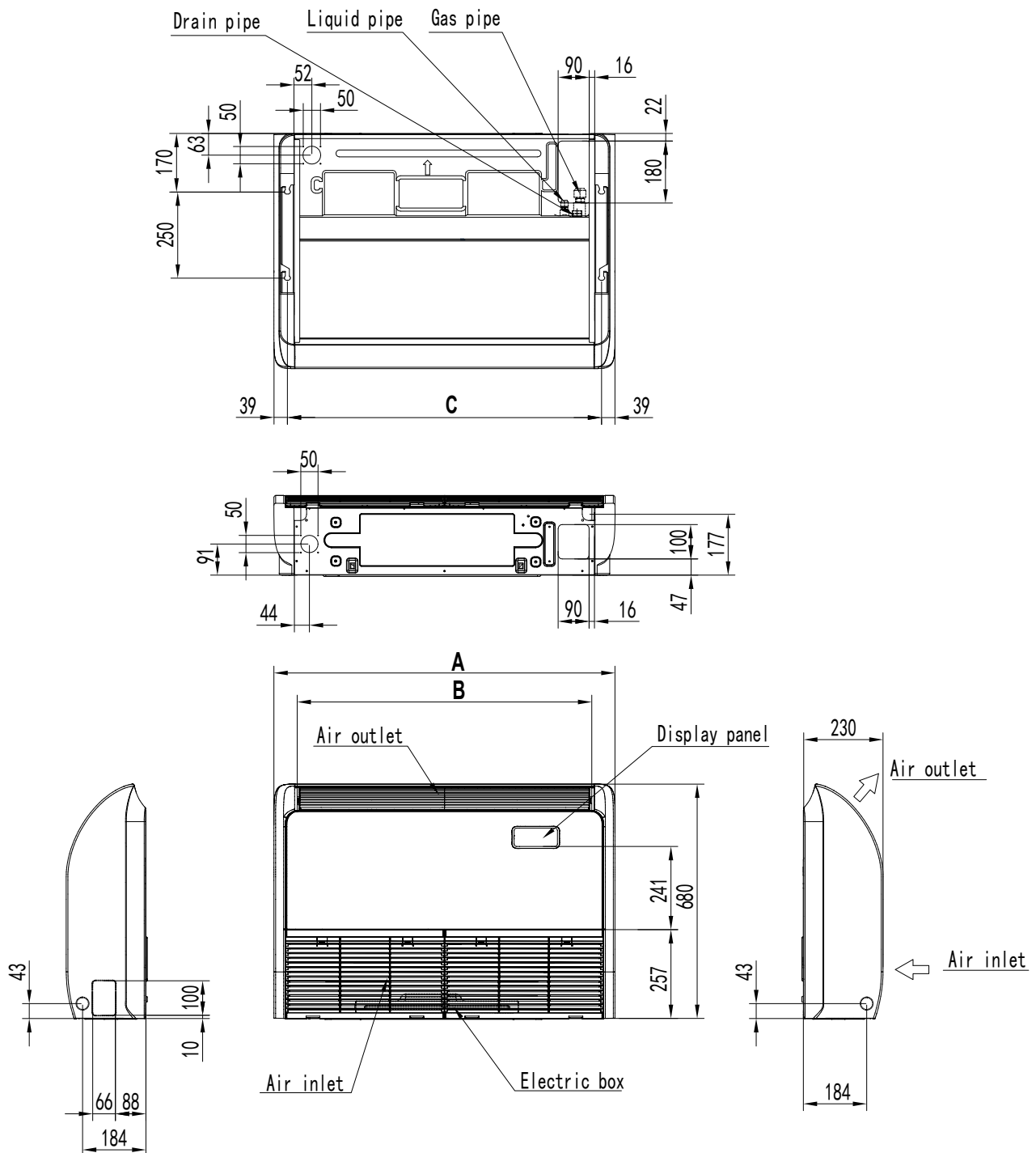
Model	a
24	236
36~60	272

2. OUTLINES AND DIMENSIONS

Ceiling & Floor type

AVT-24UR4RB8
AUV-36UR4RC8
AUV-48UR4RC8
AUV-60UR4RC8

Unit: (mm)



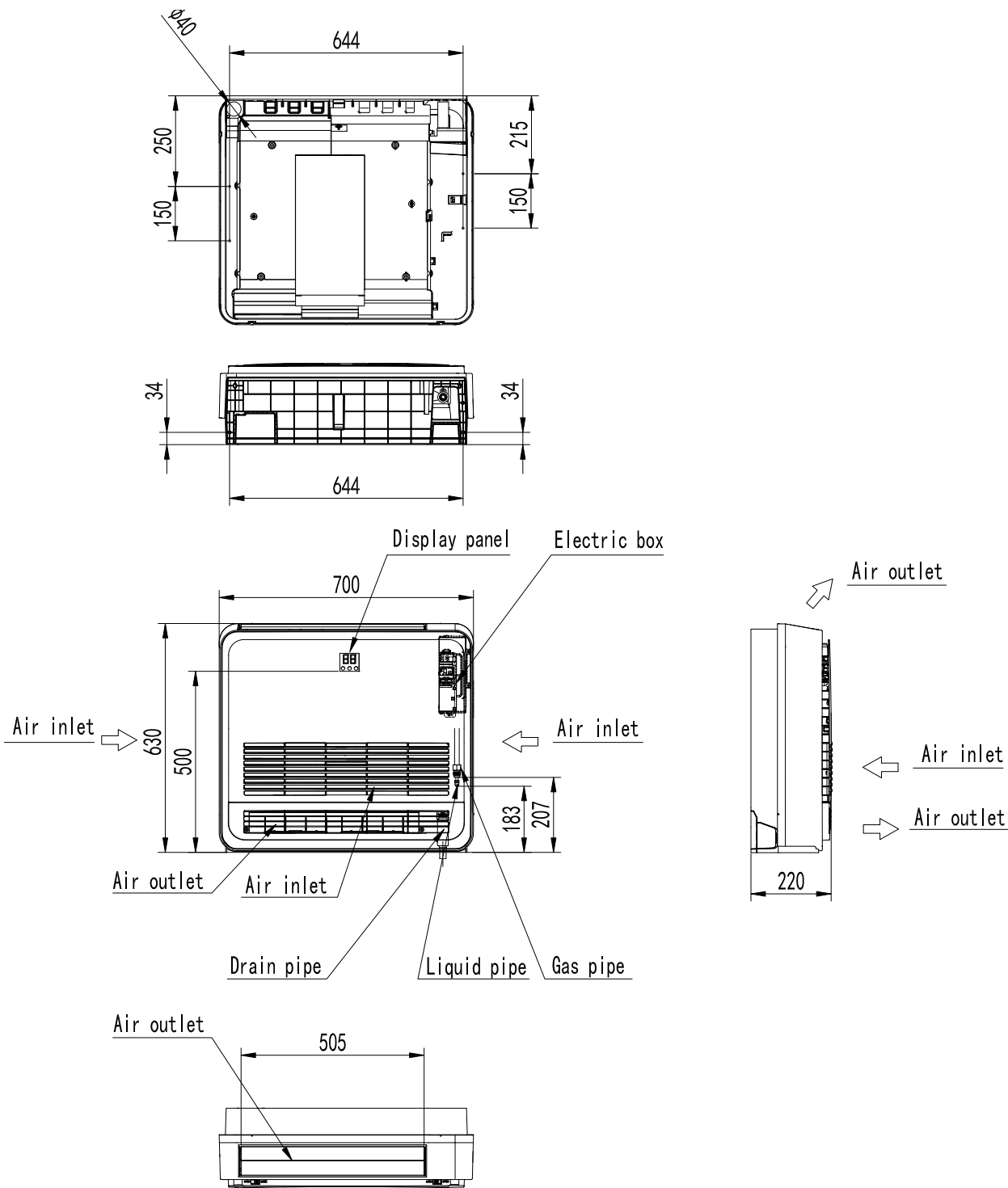
Model	a	b	c
24	1285	1150	1207
36~60	1580	1445	1502

3. OUTLINES AND DIMENSIONS

Console type

AKT-09UR4RK8
AKT-12UR4RK8

Unit: (mm)



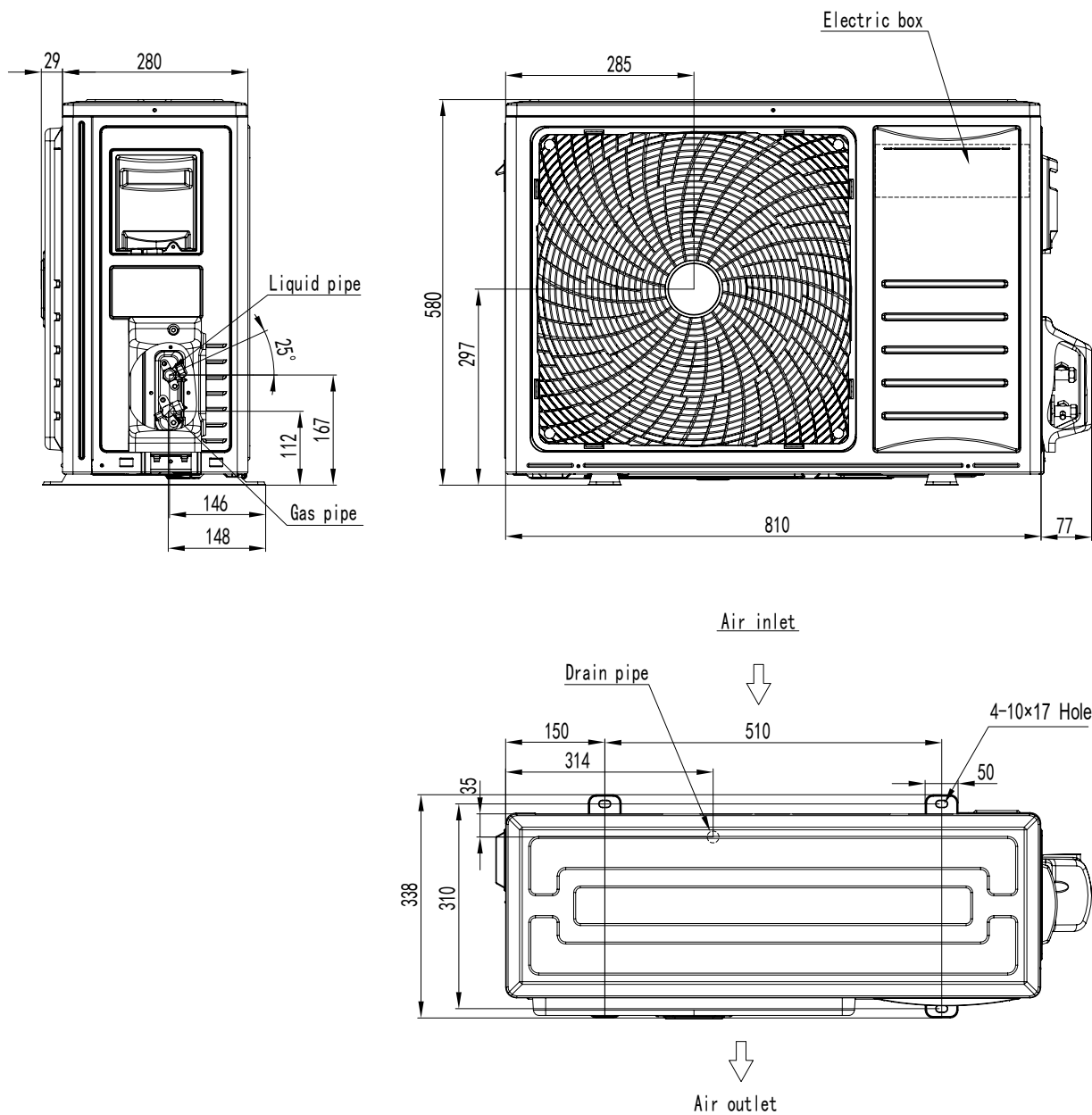
3. OUTLINES AND DIMENSIONS

2.2 Outdoor units

Turbo Inverter
AUW-09U4RS8
AUW-12U4RS8

Super Inverter
AUW-18U4RS7

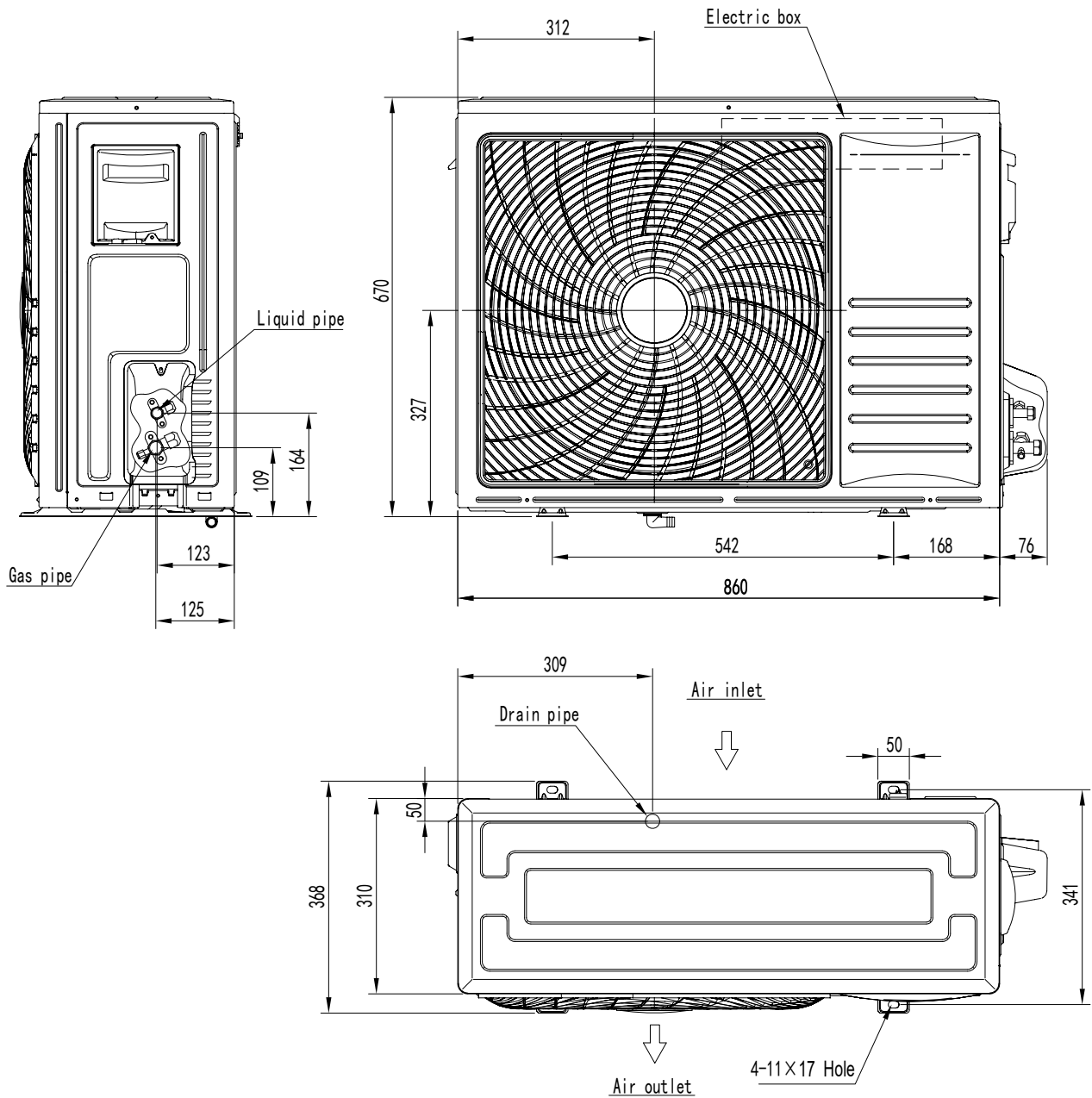
Unit: (mm)



2. OUTLINES AND DIMENSIONS

Super Inverter
AUW-24U4RJ7

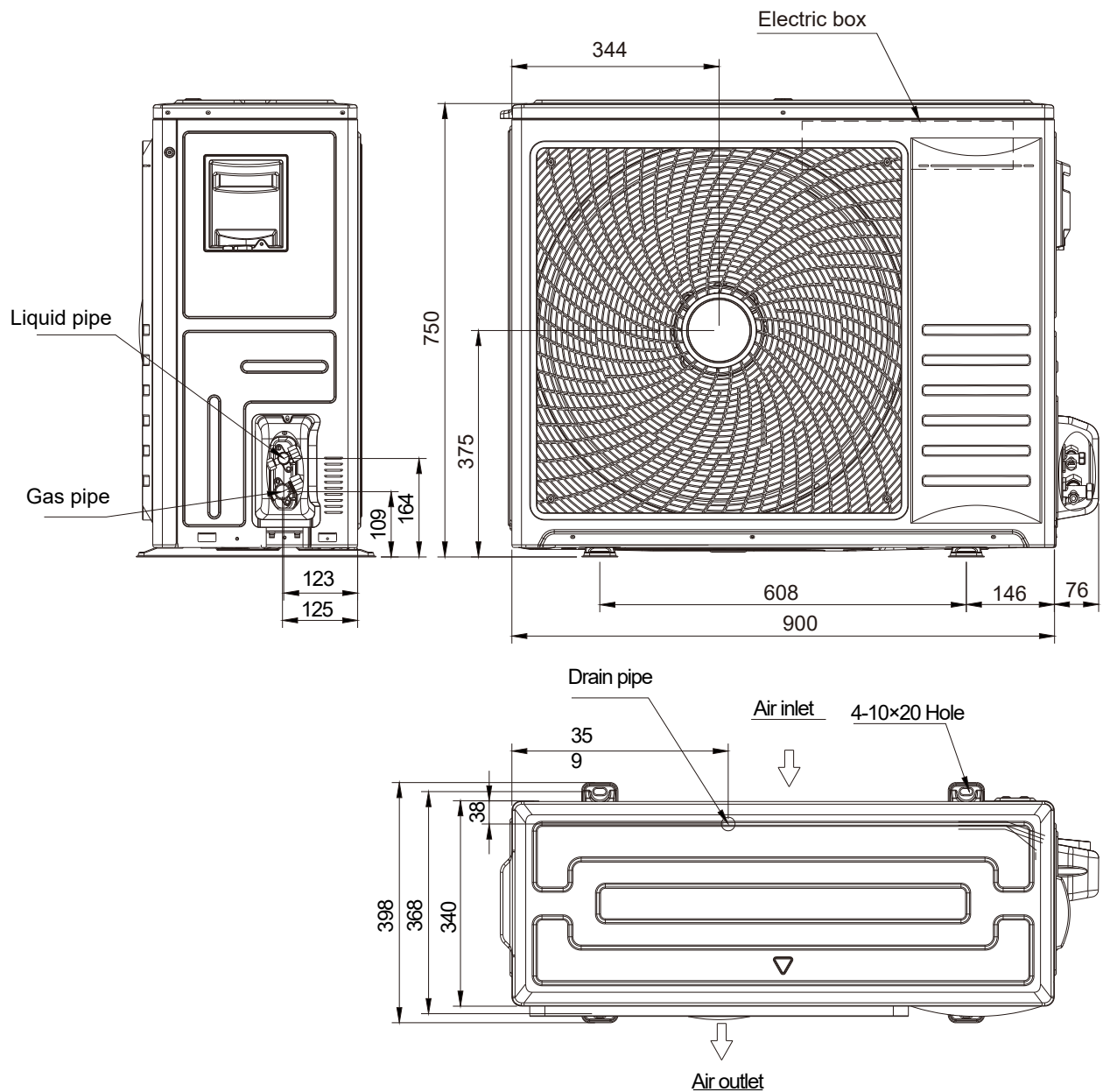
Unit: (mm)



2. OUTLINES AND DIMENSIONS

Super Inverter
AUW-36U4RK7

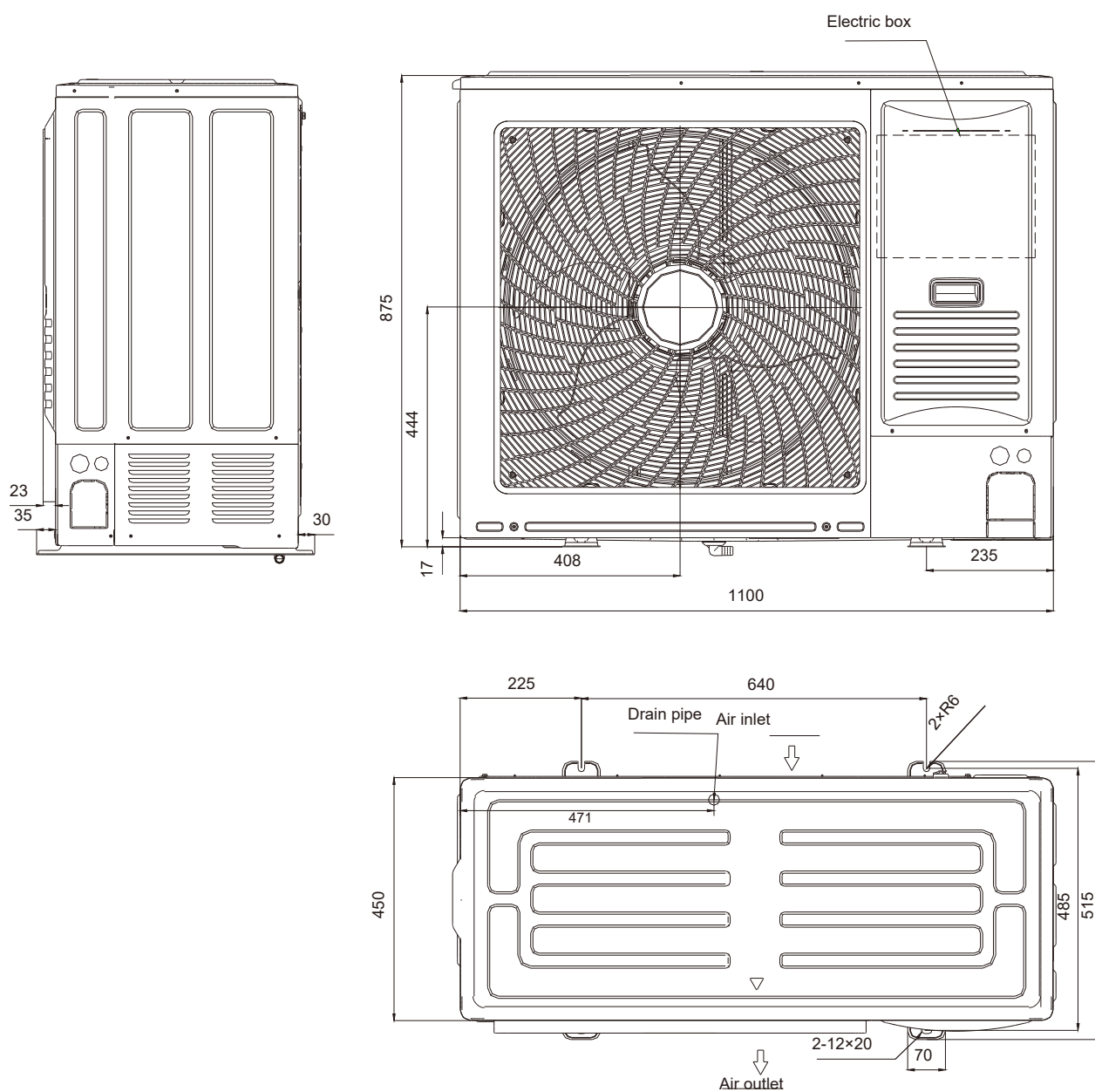
Unit: (mm)



2. OUTLINES AND DIMENSIONS

Turbo Inverter
AUW-60U6RW8

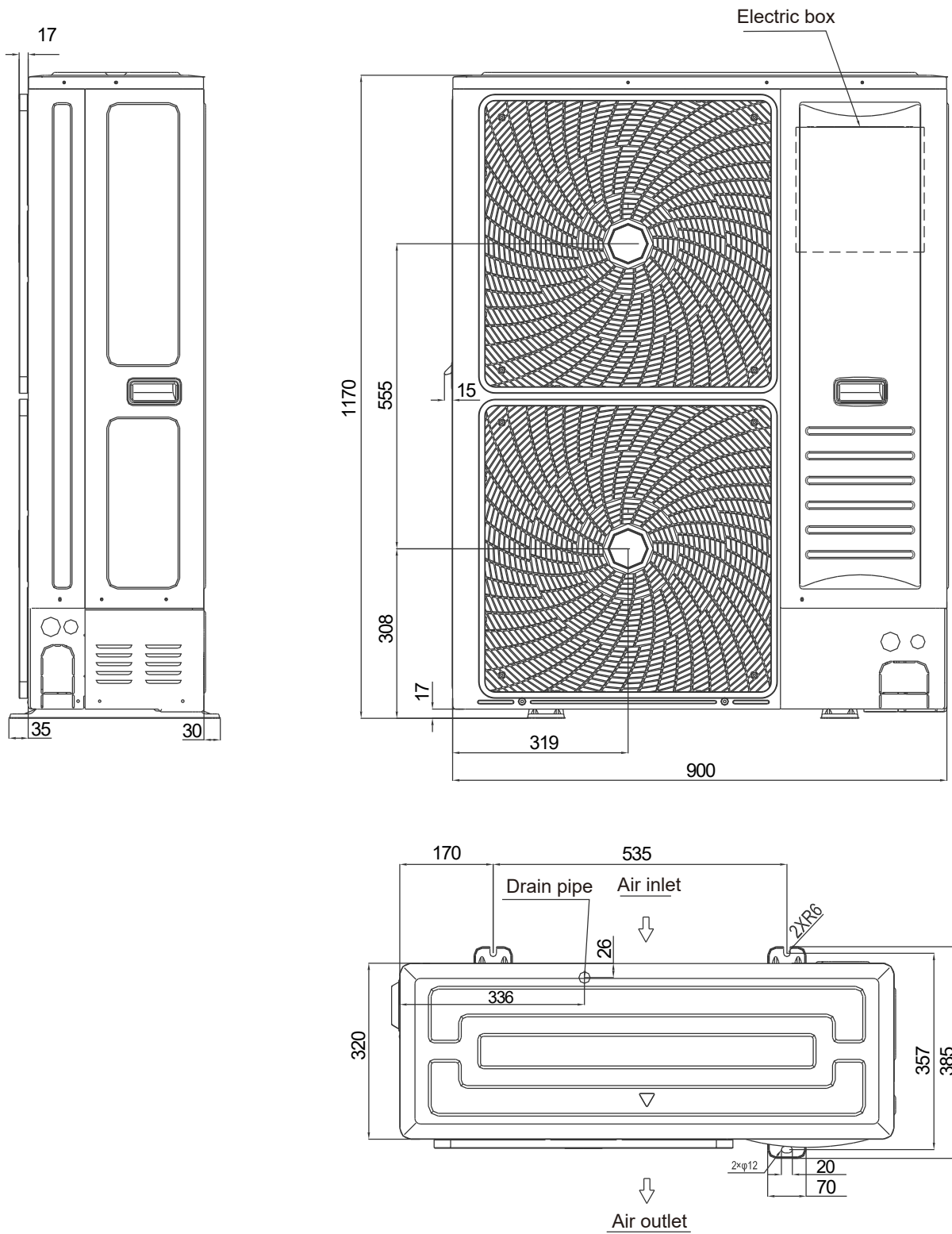
Unit: (mm)



2. OUTLINES AND DIMENSIONS

Turbo Inverter
AUW-48U6RN8

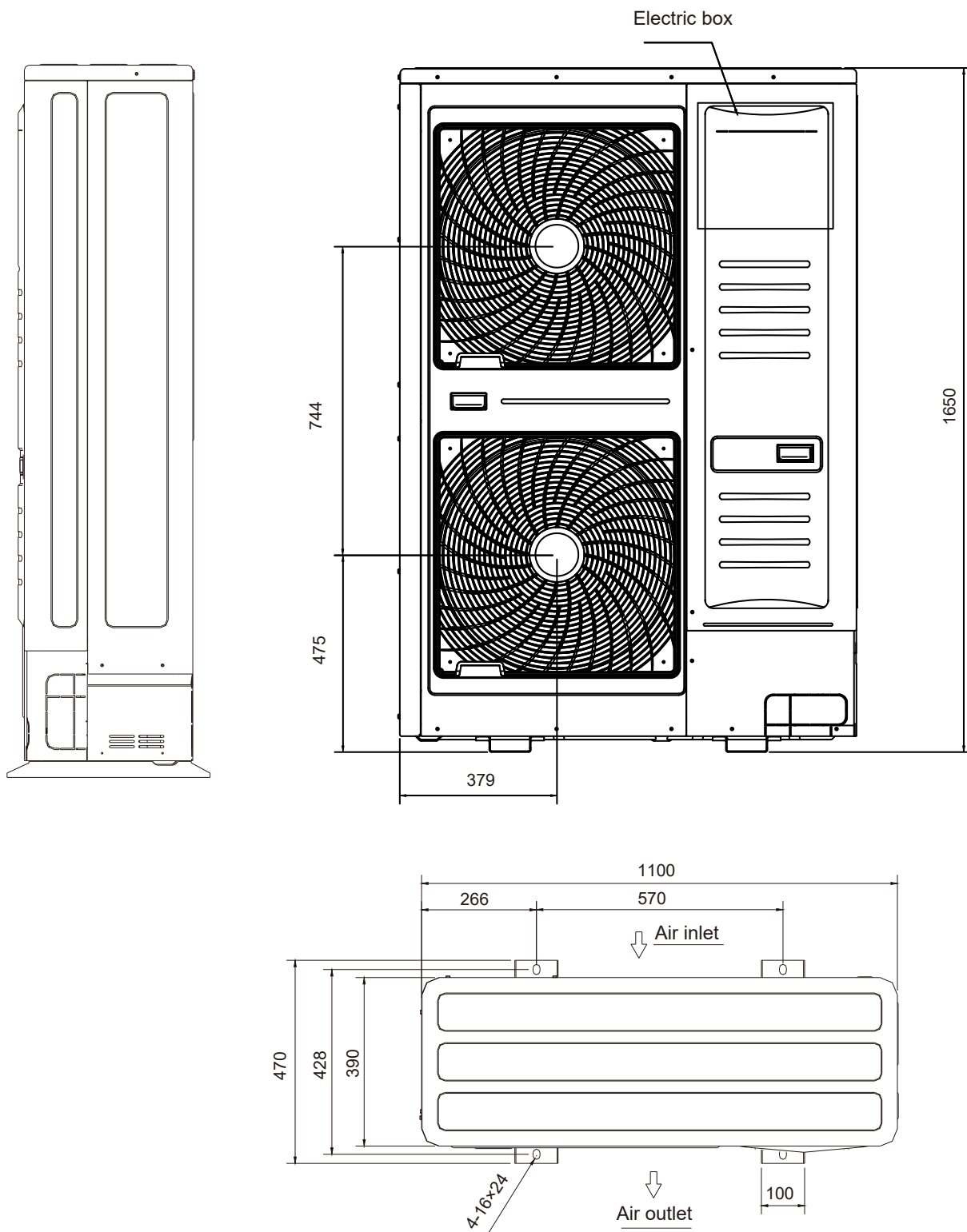
Unit: (mm)



2. OUTLINES AND DIMENSIONS

Turbo Inverter
AUW-85U6RZ8

Unit: (mm)



3. ELECTRICAL DATA

3. Electrical data

Outdoor unit		Power supply			Applicable voltage		ELB
series	model	Voltage(V)	PH	Frequency (Hz)	Umin(V)	Umax(V)	Nominal Current(A)
Turbo Inverter	9 / 12	220-240	1	50	176	253	10
	48	380-415	3	50	342	438	16
	60	380-415	3	50	342	438	20
	85	380-415	3	50	342	438	25
Super Inverter	18	220-240	1	50	176	253	16
	24	220-240	1	50	176	253	20
	36	220-240	1	50	176	253	25

NOTE:

1. The above compressor data is based on 100% capacity combination of indoor units at the rated operating frequency.
2. This data is based on the same conditions as the nominal cooling capacities.

4. CAPACITIES AND SELECTION DATA

4. Capacities and selection data

4.1 Capacity characteristic charts

The following charts show the characteristics of outdoor unit capacity, which corresponds with the operating ambient temperature of outdoor unit.

Conditions:

- ① Pipe length/height difference:

Model		Pipe length	height difference
Turbo Inverter	9~12	5m	0m
	48~85	7.5m	
Super Inverter	18~36	5m	

- ② Compressor at rated inverter frequency
- ③ Indoor fan speed at high fan speed
- ④ Capacity loss due to white frost and defrost operation is not included.

4. CAPACITIES AND SELECTION DATA

Turbo Inverter type
Duct type
ADT-09UX4RBL8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
ADT-09UX4RBL8 & AUW-09U4RS8																																																	
CAPACITY: 2.60 kW SHF: 0.70 INPUT: 590 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT				
21	18	2.52	1.31	0.52	422	2.49	1.30	0.52	426	2.46	1.28	0.52	430	2.43	1.27	0.52	433	2.41	1.25	0.52	435	2.38	1.24	0.52	450	2.35	1.22	0.52	470	2.31	1.20	0.52	503	2.25	1.17	0.52	526	2.19	1.14	0.52	546	2.01	1.04	0.52	580	1.66	0.86	0.52	603
21	20	2.62	1.05	0.40	445	2.59	1.04	0.40	449	2.57	1.03	0.40	453	2.53	1.01	0.40	457	2.51	1.00	0.40	459	2.48	0.99	0.40	474	2.45	0.98	0.40	494	2.40	0.96	0.40	526	2.35	0.94	0.40	550	2.28	0.91	0.40	570	2.09	0.84	0.40	604	1.73	0.69	0.40	626
22	18	2.59	1.45	0.56	426	2.57	1.44	0.56	430	2.54	1.42	0.56	434	2.51	1.40	0.56	438	2.48	1.39	0.56	440	2.46	1.38	0.56	455	2.42	1.36	0.56	475	2.38	1.33	0.56	508	2.32	1.30	0.56	531	2.26	1.26	0.56	552	2.07	1.16	0.56	586	1.71	0.96	0.56	609
22	20	2.67	1.18	0.44	450	2.65	1.16	0.44	454	2.62	1.15	0.44	458	2.59	1.14	0.44	461	2.56	1.13	0.44	464	2.53	1.11	0.44	478	2.50	1.10	0.44	499	2.45	1.08	0.44	531	2.40	1.05	0.44	555	2.33	1.02	0.44	575	2.13	0.94	0.44	610	1.76	0.77	0.44	633
22	22	2.72	0.87	0.32	466	2.69	0.86	0.32	470	2.66	0.85	0.32	474	2.63	0.84	0.32	477	2.60	0.83	0.32	480	2.57	0.82	0.32	495	2.54	0.81	0.32	515	2.49	0.80	0.32	548	2.44	0.78	0.32	571	2.37	0.76	0.32	592	2.17	0.69	0.32	626	1.79	0.57	0.32	649
23	18	2.65	1.59	0.60	430	2.62	1.57	0.60	434	2.59	1.56	0.60	438	2.56	1.54	0.60	442	2.53	1.52	0.60	444	2.51	1.50	0.60	459	2.47	1.48	0.60	480	2.43	1.46	0.60	513	2.37	1.42	0.60	537	2.30	1.38	0.60	557	2.11	1.27	0.60	592	1.74	1.05	0.60	615
23	20	2.73	1.31	0.48	454	2.70	1.30	0.48	458	2.67	1.28	0.48	462	2.64	1.27	0.48	466	2.61	1.25	0.48	468	2.58	1.24	0.48	483	2.55	1.22	0.48	504	2.50	1.20	0.48	537	2.44	1.17	0.48	561	2.37	1.14	0.48	581	2.18	1.05	0.48	616	1.80	0.86	0.48	639
23	22	2.78	1.00	0.36	471	2.75	0.99	0.36	475	2.72	0.98	0.36	479	2.68	0.97	0.36	482	2.66	0.96	0.36	485	2.63	0.95	0.36	500	2.59	0.93	0.36	520	2.55	0.92	0.36	553	2.49	0.89	0.36	577	2.41	0.87	0.36	597	2.22	0.80	0.36	633	1.83	0.66	0.36	656
24	18	2.70	1.73	0.64	435	2.68	1.71	0.64	439	2.65	1.69	0.64	443	2.61	1.67	0.64	446	2.59	1.66	0.64	449	2.56	1.64	0.64	464	2.52	1.61	0.64	485	2.48	1.59	0.64	518	2.42	1.55	0.64	542	2.35	1.50	0.64	563	2.16	1.38	0.64	598	1.78	1.14	0.64	621
24	20	2.78	1.45	0.52	459	2.76	1.43	0.52	463	2.73	1.42	0.52	467	2.69	1.40	0.52	471	2.67	1.39	0.52	473	2.64	1.37	0.52	488	2.60	1.35	0.52	509	2.55	1.33	0.52	542	2.49	1.30	0.52	566	2.42	1.26	0.52	587	2.22	1.16	0.52	623	1.83	0.95	0.52	646
24	22	2.83	1.13	0.40	475	2.80	1.12	0.40	479	2.77	1.11	0.40	484	2.74	1.10	0.40	487	2.71	1.08	0.40	489	2.68	1.07	0.40	505	2.64	1.06	0.40	525	2.60	1.04	0.40	559	2.54	1.01	0.40	583	2.46	0.99	0.40	604	2.26	0.90	0.40	639	1.87	0.75	0.40	662
24	24	2.87	0.80	0.28	495	2.84	0.80	0.28	499	2.81	0.79	0.28	503	2.78	0.78	0.28	507	2.75	0.77	0.28	509	2.72	0.76	0.28	524	2.68	0.75	0.28	545	2.63	0.74	0.28	578	2.57	0.72	0.28	602	2.50	0.70	0.28	623	2.29	0.64	0.28	658	1.89	0.53	0.28	682
25	18	2.79	1.89	0.68	439	2.76	1.88	0.68	443	2.73	1.85	0.68	447	2.69	1.83	0.68	451	2.67	1.81	0.68	453	2.64	1.79	0.68	469	2.60	1.77	0.68	490	2.55	1.74	0.68	523	2.49	1.70	0.68	548	2.42	1.65	0.68	568	2.22	1.51	0.68	604	1.83	1.25	0.68	628
25	20	2.87	1.61	0.56	464	2.84	1.59	0.56	468	2.81	1.57	0.56	472	2.78	1.55	0.56	475	2.75	1.54	0.56	478	2.72	1.52	0.56	493	2.68	1.50	0.56	514	2.63	1.47	0.56	548	2.57	1.44	0.56	572	2.50	1.40	0.56	593	2.29	1.28	0.56	629	1.89	1.06	0.56	652
25	22	2.92	1.28	0.44	480	2.89	1.27	0.44	484	2.86	1.26	0.44	488	2.82	1.24	0.44	492	2.79	1.23	0.44	494	2.76	1.22	0.44	510	2.73	1.20	0.44	531	2.68	1.18	0.44	564	2.61	1.15	0.44	589	2.54	1.12	0.44	610	2.33	1.03	0.44	645	1.92	0.85	0.44	669
25	24	2.96	0.95	0.32	500	2.93	0.94	0.32	504	2.90	0.93	0.32	508	2.86	0.92	0.32	512	2.83	0.91	0.32	514	2.80	0.90	0.32	529	2.76	0.88	0.32	550	2.72	0.87	0.32	584	2.65	0.85	0.32	608	2.57	0.82	0.32	629	2.36	0.76	0.32	665	1.95	0.62	0.32	688
26	18	2.87	2.07	0.72	444	2.84	2.05	0.72	448	2.81	2.02	0.72	452	2.78	2.00	0.72	455	2.75	1.98	0.72	458	2.72	1.96	0.72	473	2.68	1.93	0.72	494	2.63	1.90	0.72	528	2.57	1.85	0.72	553	2.50	1.80	0.72	574	2.29	1.65	0.72	610	1.89	1.36	0.72	634
26	20	2.96	1.78	0.60	468	2.93	1.76	0.60	472	2.90	1.74	0.60	477	2.86	1.72	0.60	480	2.83	1.70	0.60	483	2.80	1.68	0.60	498	2.76	1.66	0.60	519	2.71	1.63	0.60	553	2.65	1.59	0.60	578	2.57	1.54	0.60	599	2.36	1.42	0.60	635	1.95	1.17	0.60	659
26	22	3.01	1.44	0.48	485	2.98	1.43	0.48	489	2.95	1.41	0.48	493	2.91	1.40	0.48	497	2.88	1.38	0.48	499	2.85	1.37	0.48	515	2.81	1.35	0.48	536	2.76	1.33	0.48	570	2.70	1.29	0.48	595	2.62	1.26	0.48	616	2.40	1.15	0.48	652	1.98	0.95	0.48	676
26	24	3.05	1.10	0.36	505	3.02	1.09	0.36	509	2.99	1.08	0.36	513	2.95	1.06	0.36	517	2.92	1.05	0.36	519	2.89	1.04	0.36	535	2.85	1.03	0.36	556	2.80	1.01	0.36	590	2.73	0.98	0.36	615	2.65	0.96	0.36	636	2.22	0.92	0.36	672	2.01	0.72	0.36	695
26	26	3.10	0.74	0.24	528	3.07	0.74	0.24	532	3.04	0.73	0.24	536	3.00	0.72	0.24	540	2.97	0.71	0.24	542	2.94	0.70	0.24	557	2.90	0.69	0.24	579	2.84	0.68	0.24	613	2.78	0.67	0.24	637	2.70	0.65	0.24	658	2.48	0.59	0.24	695	2.04	0.49	0.24	718
27	18	2.93	2.23	0.76	448	2.90	2.20	0.76	452	2.87	2.18	0.76	456	2.83	2.15	0.76	460	2.80	2.13	0.76	462	2.77	2.11	0.76	478	2.74	2.08	0.76	499	2.69	2.04	0.76	534	2.62	1.99	0.76	559	2.55	1.94	0.76	580	2.34	1.78	0.76	617	1.93	1.47	0.76	640
27	20	2.99	2.09	0.70	458	2.96	2.07	0.70	462	2.93	2.05	0.70	466	2.89	2.02	0.70	470	2.86	2.00	0.70	472	2.83	1.98	0.70	488	2.79	1.95	0.70	509	2.74	1.92	0.70	544	2.68	1.87	0.70	569	2.60	1.82	0.70	590	2.39	1.67	0.70	627	1.97	1.38	0.70	650
27	22	3.02	1.93	0.64	473	2.99	1.91	0.64	477	2.96	1.89	0.64	481	2.92	1.87	0.64	485	2.89	1.85	0.64	487	2.86	1.83	0.64	503	2.82	1.80	0.64	524	2.77	1.77	0.64	559	2.70	1.73	0.64	584	2.63	1.68	0.64	605	2.41	1.54	0.64	642	1.99	1.27	0.64	665
27	24	3.07	1.60	0.52	490	3.04	1.58	0.52	494	3.01	1.56	0.52	498	2.97	1.54	0.52	502	2.94	1.53	0.52	504	2.91	1.51	0.52	520	2.87	1.49	0.52	541	2.82	1.46	0.52	576	2.75	1.43	0.52	601	2.67	1.39	0.52	625	2.45	1.27	0.52	659	2.02	1.05	0.52	682
27	26	3.11	1.25	0.40	510	3.08	1.23	0.40	514	3.05	1.22	0.40	518	3.01	1.20	0.40	522	2.98	1.19	0.40	524	2.95	1.18	0.40	540	2.91	1.16																						

4. CAPACITIES AND SELECTION DATA

ADT-12UX4RBL8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
ADT-12UX4RBL8 & AUW-12U4RS8																																																	
CAPACITY: 3.50 kW SHF: 0.70 INPUT: 870 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
21	18	3.39	1.76	0.52	626	3.35	1.74	0.52	632	3.32	1.73	0.52	638	3.28	1.70	0.52	643	3.24	1.69	0.52	646	3.21	1.67	0.52	668	3.16	1.65	0.52	698	3.11	1.62	0.52	745	3.03	1.58	0.52	780	2.95	1.53	0.52	810	2.70	1.41	0.52	860	2.23	1.16	0.52	894
21	20	3.53	1.41	0.40	650	3.49	1.40	0.40	656	3.45	1.38	0.40	662	3.41	1.36	0.40	667	3.38	1.35	0.40	670	3.34	1.34	0.40	692	3.29	1.32	0.40	721	3.24	1.29	0.40	769	3.16	1.26	0.40	804	3.07	1.23	0.40	833	2.82	1.13	0.40	884	2.32	0.93	0.40	917
22	18	3.49	1.96	0.56	633	3.46	1.94	0.56	639	3.42	1.92	0.56	644	3.38	1.89	0.56	650	3.34	1.87	0.56	653	3.31	1.85	0.56	675	3.26	1.83	0.56	705	3.20	1.79	0.56	753	3.13	1.75	0.56	788	3.04	1.70	0.56	818	2.79	1.56	0.56	869	2.30	1.29	0.56	903
22	20	3.60	1.58	0.44	656	3.56	1.57	0.44	662	3.53	1.55	0.44	668	3.48	1.53	0.44	673	3.45	1.52	0.44	677	3.41	1.50	0.44	699	3.36	1.48	0.44	729	3.30	1.45	0.44	777	3.22	1.42	0.44	812	3.13	1.38	0.44	842	2.87	1.26	0.44	893	2.37	1.04	0.44	926
22	22	3.66	1.17	0.32	673	3.62	1.16	0.32	678	3.59	1.15	0.32	684	3.54	1.13	0.32	690	3.50	1.12	0.32	693	3.47	1.11	0.32	715	3.42	1.09	0.32	745	3.36	1.07	0.32	793	3.28	1.05	0.32	828	3.18	1.02	0.32	858	2.92	0.94	0.32	909	2.41	0.77	0.32	942
23	18	3.56	2.14	0.60	639	3.53	2.12	0.60	645	3.49	2.09	0.60	651	3.45	2.07	0.60	656	3.41	2.05	0.60	660	3.37	2.02	0.60	682	3.33	2.00	0.60	712	3.27	1.96	0.60	761	3.19	1.92	0.60	796	3.10	1.86	0.60	826	2.85	1.71	0.60	878	2.35	1.41	0.60	912
23	20	3.67	1.76	0.48	663	3.64	1.75	0.48	669	3.60	1.73	0.48	675	3.55	1.70	0.48	680	3.52	1.69	0.48	684	3.48	1.67	0.48	706	3.43	1.65	0.48	736	3.37	1.62	0.48	785	3.29	1.58	0.48	820	3.19	1.53	0.48	850	2.93	1.41	0.48	902	2.42	1.16	0.48	936
23	22	3.74	1.34	0.36	679	3.70	1.33	0.36	685	3.66	1.32	0.36	691	3.61	1.30	0.36	697	3.58	1.29	0.36	700	3.54	1.27	0.36	722	3.49	1.26	0.36	752	3.43	1.23	0.36	801	3.35	1.20	0.36	836	3.25	1.17	0.36	866	2.98	1.07	0.36	918	2.46	0.89	0.36	952
24	18	3.64	2.33	0.64	646	3.60	2.30	0.64	652	3.56	2.28	0.64	658	3.52	2.25	0.64	663	3.48	2.23	0.64	666	3.44	2.20	0.64	689	3.40	2.17	0.64	719	3.34	2.13	0.64	768	3.26	2.08	0.64	804	3.16	2.02	0.64	834	2.90	1.86	0.64	887	2.40	1.53	0.64	921
24	20	3.75	1.95	0.52	670	3.71	1.93	0.52	676	3.67	1.91	0.52	682	3.62	1.88	0.52	687	3.59	1.87	0.52	691	3.55	1.85	0.52	713	3.50	1.82	0.52	744	3.44	1.79	0.52	793	3.36	1.75	0.52	828	3.26	1.69	0.52	859	2.99	1.56	0.52	911	2.47	1.28	0.52	945
24	22	3.81	1.52	0.40	686	3.77	1.51	0.40	692	3.73	1.49	0.40	698	3.69	1.47	0.40	704	3.65	1.46	0.40	707	3.61	1.44	0.40	729	3.56	1.42	0.40	760	3.50	1.40	0.40	809	3.41	1.37	0.40	845	3.31	1.33	0.40	875	3.04	1.22	0.40	928	2.51	1.00	0.40	962
24	24	3.87	1.08	0.28	706	3.83	1.07	0.28	712	3.79	1.06	0.28	718	3.74	1.05	0.28	723	3.70	1.04	0.28	726	3.66	1.02	0.28	749	3.61	1.01	0.28	779	3.55	0.99	0.28	828	3.46	0.97	0.28	864	3.36	0.94	0.28	895	3.09	0.86	0.28	947	2.55	0.71	0.28	981
25	18	3.75	2.55	0.68	652	3.71	2.52	0.68	658	3.67	2.50	0.68	664	3.62	2.46	0.68	670	3.59	2.44	0.68	673	3.55	2.41	0.68	696	3.50	2.38	0.68	727	3.44	2.34	0.68	776	3.36	2.28	0.68	812	3.26	2.22	0.68	843	2.99	2.04	0.68	896	2.47	1.68	0.68	930
25	20	3.86	2.16	0.56	677	3.83	2.14	0.56	683	3.78	2.12	0.56	689	3.74	2.09	0.56	694	3.70	2.07	0.56	698	3.66	2.05	0.56	720	3.61	2.02	0.56	751	3.54	1.98	0.56	801	3.46	1.94	0.56	837	3.36	1.88	0.56	867	3.08	1.73	0.56	920	2.54	1.43	0.56	955
25	22	3.93	1.73	0.44	693	3.89	1.71	0.44	699	3.85	1.69	0.44	705	3.80	1.67	0.44	711	3.76	1.66	0.44	714	3.72	1.64	0.44	737	3.67	1.61	0.44	768	3.60	1.59	0.44	817	3.52	1.55	0.44	853	3.42	1.50	0.44	884	3.14	1.38	0.44	937	2.59	1.14	0.44	971
25	24	3.98	1.28	0.32	713	3.95	1.26	0.32	719	3.90	1.25	0.32	725	3.85	1.23	0.32	730	3.81	1.22	0.32	734	3.77	1.21	0.32	756	3.72	1.19	0.32	787	3.65	1.17	0.32	837	3.57	1.14	0.32	873	3.47	1.11	0.32	904	3.18	1.02	0.32	957	2.62	0.84	0.32	991
26	18	3.87	2.78	0.72	659	3.83	2.76	0.72	665	3.79	2.73	0.72	671	3.74	2.69	0.72	676	3.70	2.66	0.72	680	3.66	2.63	0.72	703	3.61	2.60	0.72	734	3.55	2.55	0.72	784	3.46	2.49	0.72	820	3.36	2.42	0.72	851	3.09	2.22	0.72	905	2.55	1.83	0.72	940
26	20	3.98	2.39	0.60	683	3.94	2.37	0.60	689	3.90	2.34	0.60	696	3.85	2.31	0.60	701	3.81	2.29	0.60	705	3.77	2.26	0.60	727	3.72	2.23	0.60	759	3.65	2.19	0.60	809	3.57	2.14	0.60	845	3.46	2.08	0.60	876	3.18	1.91	0.60	930	2.62	1.57	0.60	964
26	22	4.05	1.94	0.48	700	4.01	1.93	0.48	706	3.97	1.90	0.48	712	3.92	1.88	0.48	718	3.88	1.86	0.48	721	3.84	1.84	0.48	744	3.78	1.82	0.48	775	3.72	1.78	0.48	825	3.63	1.74	0.48	862	3.52	1.69	0.48	893	3.23	1.55	0.48	946	2.67	1.28	0.48	981
26	24	4.11	1.48	0.36	720	4.07	1.46	0.36	726	4.02	1.45	0.36	732	3.97	1.43	0.36	738	3.93	1.42	0.36	741	3.89	1.40	0.36	764	3.84	1.38	0.36	795	3.77	1.36	0.36	845	3.68	1.32	0.36	882	3.57	1.29	0.36	913	3.28	1.18	0.36	966	2.71	0.97	0.36	1001
26	26	4.17	1.00	0.24	743	4.13	0.99	0.24	749	4.09	0.98	0.24	755	4.04	0.97	0.24	761	4.00	0.96	0.24	764	3.95	0.95	0.24	787	3.90	0.94	0.24	818	3.83	0.92	0.24	868	3.74	0.90	0.24	905	3.63	0.87	0.24	936	3.33	0.80	0.24	989	2.75	0.66	0.24	1024
27	18	3.94	3.00	0.76	665	3.91	2.97	0.76	671	3.86	2.94	0.76	678	3.81	2.90	0.76	683	3.78	2.87	0.76	687	3.73	2.84	0.76	710	3.68	2.80	0.76	741	3.62	2.75	0.76	792	3.53	2.69	0.76	829	3.43	2.61	0.76	860	3.15	2.39	0.76	914	2.60	1.97	0.76	949
27	20	4.02	2.82	0.70	675	3.98	2.79	0.70	681	3.94	2.76	0.70	688	3.89	2.72	0.70	693	3.85	2.70	0.70	697	3.81	2.67	0.70	720	3.76	2.63	0.70	751	3.69	2.58	0.70	802	3.61	2.52	0.70	839	3.50	2.45	0.70	870	3.21	2.25	0.70	924	2.65	1.86	0.70	959
27	22	4.07	2.60	0.64	690	4.02	2.58	0.64	696	3.98	2.55	0.64	703	3.93	2.52	0.64	708	3.89	2.49	0.64	712	3.85	2.46	0.64	735	3.80	2.43	0.64	766	3.73	2.39	0.64	817	3.64	2.33	0.64	854	3.54	2.26	0.64	885	3.25	2.08	0.64	939	2.68	1.71	0.64	974
27	24	4.13	2.15	0.52	707	4.09	2.13	0.52	713	4.05	2.11	0.52	720	4.00	2.08	0.52	725	3.96	2.06	0.52	729	3.91	2.04	0.52	752	3.86	2.01	0.52	783	3.79	1.97	0.52	834	3.70	1.93	0.52	871	3.60	1.87	0.52	902	3.30	1.72	0.52	956	2.72	1.42	0.52	991
27	26	4.19	1.68	0.40	727	4.15	1.66	0.40	733	4.11	1.64	0.40	740	4.05	1.62	0.40	745	4.01	1.61	0.40	749	3.97	1.59	0.40	772	3.91	1.57	0.40	803	3.84	1.54	0.40	854	3.75	1.50	0.40	891	3.65	1.46	0.40	922	3.35	1.34	0.40	976	2.76	1.10	0.40	1011
27	26	4.26	1.19	0.2.																																													

4. CAPACITIES AND SELECTION DATA

AUD-36UX4REH8 & AUW-36U6RN8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AUD-36UX4REH8 & AUW-36U6RN8																																																	
CAPACITY: 10.00 kW SHF: 0.75 INPUT: 2632 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT				
21	18	9.68	5.52	0.57	1964	9.58	5.46	0.57	1982	9.48	5.40	0.57	2000	9.36	5.33	0.57	2016	9.27	5.28	0.57	2026	9.17	5.22	0.57	2093	9.04	5.15	0.57	2186	8.88	5.06	0.57	2333	8.67	4.94	0.57	2441	8.42	4.80	0.57	2533	7.73	4.40	0.57	2690	6.38	3.63	0.57	2793
21	20	10.08	4.54	0.45	1987	9.98	4.49	0.45	2005	9.87	4.44	0.45	2023	9.74	4.39	0.45	2040	9.65	4.34	0.45	2050	9.54	4.29	0.45	2117	9.41	4.24	0.45	2209	9.24	4.16	0.45	2357	9.03	4.06	0.45	2465	8.77	3.94	0.45	2556	8.05	3.62	0.45	2714	6.64	2.99	0.45	2816
22	18	9.98	6.09	0.61	1984	9.88	6.03	0.61	2002	9.77	5.96	0.61	2020	9.65	5.89	0.61	2036	9.55	5.83	0.61	2047	9.45	5.76	0.61	2115	9.32	5.68	0.61	2208	9.15	5.58	0.61	2357	8.94	5.45	0.61	2466	8.68	5.29	0.61	2558	7.97	4.86	0.61	2717	6.57	4.01	0.61	2821
22	20	10.29	5.04	0.49	2007	10.18	4.99	0.49	2026	10.07	4.94	0.49	2044	9.94	4.87	0.49	2060	9.85	4.82	0.49	2070	9.74	4.77	0.49	2138	9.60	4.71	0.49	2232	9.43	4.62	0.49	2381	9.21	4.51	0.49	2490	8.94	4.38	0.49	2582	8.21	4.02	0.49	2741	6.77	3.32	0.49	2845
22	22	10.46	3.87	0.37	2024	10.36	3.83	0.37	2042	10.24	3.79	0.37	2060	10.11	3.74	0.37	2076	10.01	3.70	0.37	2087	9.90	3.66	0.37	2155	9.77	3.61	0.37	2248	9.59	3.55	0.37	2397	9.37	3.47	0.37	2506	9.10	3.37	0.37	2598	8.35	3.09	0.37	2757	6.89	2.55	0.37	2861
23	18	10.18	6.62	0.65	2004	10.08	6.55	0.65	2022	9.97	6.48	0.65	2040	9.85	6.40	0.65	2057	9.75	6.34	0.65	2067	9.64	6.27	0.65	2136	9.51	6.18	0.65	2230	9.34	6.07	0.65	2381	9.12	5.93	0.65	2491	8.86	5.76	0.65	2584	8.13	5.28	0.65	2745	6.71	4.36	0.65	2849
23	20	10.50	5.56	0.53	2028	10.39	5.51	0.53	2046	10.28	5.45	0.53	2064	10.15	5.38	0.53	2081	10.05	5.32	0.53	2091	9.94	5.27	0.53	2160	9.80	5.19	0.53	2254	9.63	5.10	0.53	2405	9.40	4.98	0.53	2515	9.13	4.84	0.53	2608	8.38	4.44	0.53	2769	6.91	3.66	0.53	2873
23	22	10.67	4.38	0.41	2044	10.57	4.33	0.41	2062	10.45	4.29	0.41	2081	10.32	4.23	0.41	2097	10.22	4.19	0.41	2108	10.11	4.14	0.41	2176	9.97	4.09	0.41	2270	9.79	4.01	0.41	2421	9.56	3.92	0.41	2531	9.28	3.81	0.41	2624	8.52	3.49	0.41	2785	7.03	2.88	0.41	2890
24	18	10.39	7.17	0.69	2024	10.29	7.10	0.69	2042	10.18	7.02	0.69	2061	10.05	6.93	0.69	2078	9.95	6.86	0.69	2088	9.84	6.79	0.69	2158	9.70	6.69	0.69	2253	9.53	6.58	0.69	2405	9.31	6.42	0.69	2516	9.04	6.24	0.69	2610	8.30	5.72	0.69	2773	6.84	4.72	0.69	2878
24	20	10.71	6.10	0.57	2048	10.60	6.04	0.57	2067	10.49	5.98	0.57	2085	10.35	5.90	0.57	2102	10.25	5.84	0.57	2112	10.14	5.78	0.57	2182	10.00	5.70	0.57	2277	9.82	5.60	0.57	2429	9.59	5.47	0.57	2540	9.31	5.31	0.57	2634	8.55	4.87	0.57	2797	7.05	4.02	0.57	2903
24	22	10.89	4.90	0.45	2065	10.78	4.85	0.45	2083	10.67	4.80	0.45	2102	10.53	4.74	0.45	2118	10.43	4.69	0.45	2129	10.31	4.64	0.45	2198	10.17	4.58	0.45	2293	9.99	4.50	0.45	2445	9.76	4.39	0.45	2557	9.47	4.26	0.45	2651	8.69	3.91	0.45	2813	7.17	3.23	0.45	2919
24	24	11.04	3.64	0.33	2084	10.93	3.61	0.33	2103	10.82	3.57	0.33	2121	10.68	3.52	0.33	2138	10.57	3.49	0.33	2148	10.46	3.45	0.33	2218	10.31	3.40	0.33	2313	10.13	3.34	0.33	2465	9.89	3.26	0.33	2576	9.60	3.17	0.33	2670	8.82	2.91	0.33	2833	7.27	2.40	0.33	2938
25	18	10.71	7.82	0.73	2044	10.61	7.74	0.73	2063	10.49	7.66	0.73	2082	10.36	7.56	0.73	2099	10.25	7.49	0.73	2109	10.14	7.40	0.73	2179	10.00	7.30	0.73	2275	9.83	7.17	0.73	2429	9.60	7.00	0.73	2541	9.32	6.80	0.73	2636	8.55	6.24	0.73	2801	7.06	5.15	0.73	2907
25	20	11.04	6.73	0.61	2069	10.93	6.67	0.61	2088	10.81	6.60	0.61	2106	10.67	6.51	0.61	2123	10.57	6.45	0.61	2134	10.45	6.38	0.61	2204	10.31	6.29	0.61	2300	10.13	6.18	0.61	2453	9.89	6.03	0.61	2566	9.60	5.86	0.61	2661	8.81	5.38	0.61	2825	7.27	4.44	0.61	2932
25	22	11.23	5.50	0.49	2086	11.12	5.45	0.49	2104	11.00	5.39	0.49	2123	10.86	5.32	0.49	2140	10.75	5.27	0.49	2150	10.63	5.21	0.49	2221	10.48	5.14	0.49	2316	10.30	5.05	0.49	2470	10.06	4.93	0.49	2582	9.76	4.78	0.49	2678	8.96	4.39	0.49	2842	7.39	3.62	0.49	2948
25	24	11.39	4.21	0.37	2105	11.27	4.17	0.37	2124	11.15	4.13	0.37	2143	11.01	4.07	0.37	2159	10.90	4.03	0.37	2170	10.78	3.99	0.37	2240	10.63	3.93	0.37	2336	10.44	3.86	0.37	2490	10.20	3.77	0.37	2602	9.90	3.66	0.37	2697	9.09	3.36	0.37	2861	7.50	2.77	0.37	2968
26	18	11.04	8.50	0.77	2065	10.93	8.42	0.77	2084	10.82	8.33	0.77	2103	10.68	8.22	0.77	2120	10.57	8.14	0.77	2131	10.46	8.05	0.77	2201	10.31	7.94	0.77	2298	10.13	7.80	0.77	2453	9.89	7.62	0.77	2567	9.60	7.40	0.77	2663	8.82	6.79	0.77	2829	7.27	5.60	0.77	2937
26	20	11.38	7.40	0.65	2090	11.27	7.33	0.65	2109	11.15	7.25	0.65	2128	11.00	7.15	0.65	2145	10.89	7.08	0.65	2155	10.78	7.00	0.65	2226	10.63	6.91	0.65	2323	10.44	6.79	0.65	2478	10.19	6.63	0.65	2592	9.90	6.43	0.65	2688	9.09	5.91	0.65	2854	7.50	4.87	0.65	2961
26	22	11.58	6.14	0.53	2107	11.46	6.07	0.53	2125	11.34	6.01	0.53	2144	11.19	5.93	0.53	2161	11.08	5.87	0.53	2172	10.96	5.81	0.53	2243	10.81	5.73	0.53	2340	10.62	5.63	0.53	2495	10.37	5.50	0.53	2608	10.07	5.34	0.53	2705	9.24	4.90	0.53	2870	7.62	4.04	0.53	2978
26	24	11.74	4.81	0.41	2126	11.62	4.76	0.41	2145	11.50	4.71	0.41	2164	11.35	4.65	0.41	2181	11.24	4.61	0.41	2192	11.11	4.56	0.41	2263	10.96	4.49	0.41	2360	10.77	4.41	0.41	2515	10.51	4.31	0.41	2628	10.21	4.18	0.41	2724	9.37	3.84	0.41	2890	7.73	3.17	0.41	2998
26	26	11.93	3.46	0.29	2149	11.81	3.42	0.29	2168	11.68	3.39	0.29	2187	11.53	3.34	0.29	2204	11.41	3.31	0.29	2215	11.29	3.27	0.29	2286	11.13	3.23	0.29	2382	10.94	3.17	0.29	2538	10.68	3.10	0.29	2651	10.37	3.01	0.29	2747	9.52	2.76	0.29	2913	7.85	2.28	0.29	3021
27	18	11.27	9.13	0.81	2086	11.16	9.04	0.81	2105	11.04	8.94	0.81	2124	10.89	8.82	0.81	2141	10.79	8.74	0.81	2152	10.67	8.64	0.81	2224	10.52	8.52	0.81	2322	10.34	8.37	0.81	2478	10.09	8.18	0.81	2593	9.80	7.94	0.81	2690	9.00	7.29	0.81	2857	7.42	6.01	0.81	2966
27	19	11.50	8.62	0.75	2096	11.39	8.54	0.75	2115	11.26	8.45	0.75	2134	11.12	8.34	0.75	2151	11.01	8.26	0.75	2162	10.89	8.17	0.75	2234	10.74	8.05	0.75	2332	10.55	7.91	0.75	2488	10.30	7.73	0.75	2603	10.00	7.50	0.75	2700	9.18	6.89	0.75	2867	7.57	5.68	0.75	2976
27	20	11.61	8.01	0.69	2111	11.50	7.93	0.69	2130	11.37	7.85	0.69	2149	11.23	7.75	0.69	2166	11.12	7.67	0.69	2177	11.00	7.59	0.69	2249	10.84	7.48	0.69	2347	10.65	7.35	0.69	2503	10.40	7.18	0.69	2618	10.10	6.97	0.69	2715	9.27	6.40	0.69	2882	7.65	5.28	0.69	2991
27	22	11.81	6.73	0.57	2128	11.69	6.67	0.57	2147	11.57	6.59	0.57	2166	11.42	6.51	0.57	2183	11.31	6.44	0.57	2194	11.18	6.37	0.57	2266	11.03	6.29	0.57	2364	10.83																			

4. CAPACITIES AND SELECTION DATA

AUD-48UX4REH8 & AUW-48U6RN8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AUD-48UX4REH8 & AUW-48U6RN8																																																	
CAPACITY: 13.50 kW SHF: 0.70 INPUT: 4730 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT				
21	18	13.07	6.80	0.52	3447	12.94	6.73	0.52	3479	12.80	6.66	0.52	3510	12.63	6.57	0.52	3539	12.51	6.50	0.52	3557	12.37	6.43	0.52	3675	12.20	6.35	0.52	3836	11.99	6.23	0.52	4095	11.71	6.09	0.52	4283	11.36	5.91	0.52	4444	10.43	5.42	0.52	4720	8.61	4.48	0.52	4900
21	20	13.61	5.44	0.40	3471	13.47	5.39	0.40	3502	13.33	5.33	0.40	3534	13.16	5.26	0.40	3562	13.02	5.21	0.40	3580	12.88	5.15	0.40	3698	12.71	5.08	0.40	3860	12.48	4.99	0.40	4118	12.19	4.88	0.40	4307	11.83	4.73	0.40	4467	10.86	4.35	0.40	4743	8.96	3.58	0.40	4923
22	18	13.47	7.54	0.56	3482	13.34	7.47	0.56	3514	13.19	7.39	0.56	3546	13.02	7.29	0.56	3575	12.90	7.22	0.56	3593	12.76	7.14	0.56	3712	12.58	7.04	0.56	3875	12.36	6.92	0.56	4136	12.07	6.76	0.56	4327	11.72	6.56	0.56	4489	10.76	6.02	0.56	4768	8.87	4.97	0.56	4949
22	20	13.89	6.11	0.44	3506	13.75	6.05	0.44	3538	13.60	5.98	0.44	3570	13.42	5.91	0.44	3598	13.29	5.85	0.44	3616	13.15	5.78	0.44	3735	12.96	5.70	0.44	3899	12.74	5.60	0.44	4160	12.44	5.47	0.44	4351	12.07	5.31	0.44	4512	11.08	4.88	0.44	4791	9.14	4.02	0.44	4973
22	22	14.12	4.52	0.32	3522	13.98	4.47	0.32	3554	13.83	4.43	0.32	3586	13.65	4.37	0.32	3614	13.52	4.33	0.32	3633	13.37	4.28	0.32	3752	13.19	4.22	0.32	3915	12.95	4.14	0.32	4176	12.65	4.05	0.32	4367	12.28	3.93	0.32	4529	11.27	3.61	0.32	4808	9.30	2.98	0.32	4989
23	18	13.75	8.25	0.60	3517	13.61	8.17	0.60	3549	13.46	8.08	0.60	3582	13.29	7.97	0.60	3611	13.16	7.90	0.60	3629	13.02	7.81	0.60	3749	12.84	7.70	0.60	3914	12.61	7.57	0.60	4178	12.31	7.39	0.60	4370	11.96	7.17	0.60	4534	10.97	6.58	0.60	4816	9.05	5.43	0.60	4999
23	20	14.17	6.80	0.48	3541	14.03	6.73	0.48	3573	13.88	6.66	0.48	3606	13.70	6.57	0.48	3635	13.56	6.51	0.48	3653	13.41	6.44	0.48	3773	13.23	6.35	0.48	3938	13.00	6.24	0.48	4202	12.69	6.09	0.48	4394	12.32	5.91	0.48	4558	11.31	5.43	0.48	4840	9.33	4.48	0.48	5023
23	22	14.41	5.19	0.36	3558	14.27	5.14	0.36	3590	14.11	5.08	0.36	3622	13.93	5.01	0.36	3651	13.79	4.97	0.36	3669	13.64	4.91	0.36	3789	13.45	4.84	0.36	3954	13.22	4.76	0.36	4218	12.91	4.65	0.36	4411	12.53	4.51	0.36	4574	11.50	4.14	0.36	4856	9.49	3.42	0.36	5039
24	18	14.03	8.98	0.64	3553	13.89	8.89	0.64	3585	13.74	8.79	0.64	3618	13.56	8.68	0.64	3647	13.43	8.59	0.64	3666	13.28	8.50	0.64	3787	13.10	8.38	0.64	3953	12.87	8.23	0.64	4220	12.57	8.04	0.64	4415	12.20	7.81	0.64	4580	11.20	7.17	0.64	4864	9.24	5.91	0.64	5050
24	20	14.46	7.52	0.52	3577	14.31	7.44	0.52	3609	14.16	7.36	0.52	3642	13.98	7.27	0.52	3671	13.84	7.20	0.52	3690	13.69	7.12	0.52	3811	13.50	7.02	0.52	3978	13.26	6.90	0.52	4244	12.95	6.73	0.52	4439	12.57	6.54	0.52	4604	11.54	6.00	0.52	4889	9.52	4.95	0.52	5074
24	22	14.70	5.88	0.40	3594	14.56	5.82	0.40	3626	14.40	5.76	0.40	3659	14.21	5.69	0.40	3688	14.07	5.63	0.40	3706	13.92	5.57	0.40	3828	13.73	5.49	0.40	3994	13.49	5.39	0.40	4261	13.17	5.27	0.40	4455	12.79	5.11	0.40	4621	11.74	4.70	0.40	4905	9.68	3.87	0.40	5090
24	24	14.91	4.17	0.28	3613	14.76	4.13	0.28	3645	14.60	4.09	0.28	3678	14.41	4.04	0.28	3707	14.27	4.00	0.28	3726	14.12	3.95	0.28	3847	13.92	3.90	0.28	4014	13.67	3.83	0.28	4280	13.35	3.74	0.28	4475	12.97	3.63	0.28	4640	11.90	3.33	0.28	4925	9.82	2.75	0.28	5110
25	18	14.46	9.83	0.68	3589	14.32	9.74	0.68	3621	14.16	9.63	0.68	3654	13.98	9.51	0.68	3684	13.84	9.41	0.68	3703	13.69	9.31	0.68	3825	13.50	9.18	0.68	3993	13.26	9.02	0.68	4263	12.95	8.81	0.68	4459	12.58	8.55	0.68	4626	11.55	7.85	0.68	4913	9.52	6.48	0.68	5101
25	20	14.90	8.35	0.56	3613	14.76	8.26	0.56	3646	14.60	8.17	0.56	3679	14.41	8.07	0.56	3708	14.27	7.99	0.56	3727	14.11	7.90	0.56	3850	13.92	7.79	0.56	4018	13.67	7.66	0.56	4287	13.35	7.48	0.56	4484	12.96	7.26	0.56	4651	11.90	6.66	0.56	4938	9.82	5.50	0.56	5125
25	22	15.16	6.67	0.44	3630	15.01	6.60	0.44	3663	14.84	6.53	0.44	3696	14.65	6.45	0.44	3725	14.51	6.38	0.44	3744	14.35	6.31	0.44	3866	14.15	6.23	0.44	4035	13.90	6.12	0.44	4304	13.58	5.97	0.44	4500	13.18	5.80	0.44	4667	12.10	5.32	0.44	4955	9.98	4.39	0.44	5142
25	24	15.37	4.92	0.32	3650	15.22	4.87	0.32	3682	15.05	4.82	0.32	3715	14.86	4.76	0.32	3745	14.71	4.71	0.32	3763	14.55	4.66	0.32	3886	14.35	4.59	0.32	4054	14.10	4.51	0.32	4323	13.77	4.41	0.32	4520	13.37	4.28	0.32	4687	12.27	3.93	0.32	4974	10.12	3.24	0.32	5161
26	18	14.91	10.73	0.72	3625	14.76	10.63	0.72	3658	14.60	10.51	0.72	3691	14.41	10.38	0.72	3721	14.27	10.28	0.72	3740	14.12	10.16	0.72	3864	13.92	10.02	0.72	4034	13.67	9.85	0.72	4306	13.35	9.62	0.72	4504	12.97	9.34	0.72	4673	11.90	8.57	0.72	4963	9.82	7.07	0.72	5152
26	20	15.37	9.22	0.60	3650	15.21	9.13	0.60	3683	15.05	9.03	0.60	3716	14.86	8.91	0.60	3746	14.71	8.82	0.60	3765	14.55	8.73	0.60	3889	14.35	8.61	0.60	4058	14.09	8.46	0.60	4330	13.76	8.26	0.60	4529	13.36	8.02	0.60	4698	12.27	7.36	0.60	4988	10.12	6.07	0.60	5177
26	22	15.63	7.50	0.48	3667	15.47	7.43	0.48	3700	15.30	7.35	0.48	3733	15.11	7.25	0.48	3763	14.96	7.18	0.48	3782	14.80	7.10	0.48	3905	14.59	7.00	0.48	4075	14.33	6.88	0.48	4347	14.00	6.72	0.48	4546	13.59	6.52	0.48	4714	12.48	5.99	0.48	5005	10.29	4.94	0.48	5194
26	24	15.85	5.70	0.36	3686	15.69	5.65	0.36	3719	15.52	5.59	0.36	3753	15.32	5.51	0.36	3783	15.17	5.46	0.36	3801	15.00	5.40	0.36	3925	14.80	5.33	0.36	4095	14.53	5.23	0.36	4367	14.19	5.11	0.36	4566	13.78	4.96	0.36	4734	12.65	4.55	0.36	5025	10.44	3.76	0.36	5213
26	26	16.10	3.86	0.24	3709	15.94	3.83	0.24	3742	15.77	3.78	0.24	3775	15.56	3.74	0.24	3805	15.41	3.70	0.24	3824	15.24	3.66	0.24	3948	15.03	3.61	0.24	4118	14.77	3.54	0.24	4390	14.42	3.46	0.24	4588	14.00	3.36	0.24	4757	12.85	3.08	0.24	5047	10.60	2.54	0.24	5236
27	18	15.21	11.56	0.76	3662	15.06	11.45	0.76	3695	14.90	11.32	0.76	3729	14.71	11.18	0.76	3759	14.56	11.07	0.76	3788	14.40	10.95	0.76	3903	14.21	10.80	0.76	4074	13.95	10.60	0.76	4343	13.63	10.36	0.76	4510	13.23	10.23	0.76	4677	12.19	9.23	0.76	5013	10.02	7.62	0.76	5204
27	20	15.52	10.87	0.70	3672	15.37	10.76	0.70	3705	15.20	10.64	0.70	3739	15.01	10.51	0.70	3769	14.86	10.40	0.70	3798	14.70	10.29	0.70	3913	14.50	10.15	0.70	4084	14.24	10.04	0.70	4359	13.91	9.73	0.70	4560	13.50	9.45	0.70	4730	12.59	8.68	0.70	5023	10.22	7.16	0.70	5214
27	22	15.68	10.03	0.64	3687	15.52	9.94	0.64	3720	15.36	9.83	0.64	3754	15.16	9.70	0.64	3784	15.01	9.61	0.64	3803	14.84	9.50	0.64	3928	14.64	9.37	0.64	4099	14.38	9.20	0.64	4374	14.04	8.99	0.64	4575	13.64	8.73	0.64	4745	12.52	8.01	0.64	5038	10.33	6.61	0.64	5229
27	24	15.95	8.29	0.52	3704	15.79	8.21	0.52	3737	15																																							

4. CAPACITIES AND SELECTION DATA

AUD-60UX4REH8 & AUW-60U6RW8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
AUD-60UX4REH8 & AUW-60U6RW8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CAPACITY: 16.0 kW SHF: 0.70 INPUT: 5300 W																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		-15												-5												0												5												10												15												20												25												30												35												40												45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC

4. CAPACITIES AND SELECTION DATA

AUD-85UX4RPH8 & AUW-85U6RZ8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AUD-85UX4RPH8 & AUW-85U6RZ8																																																	
CAPACITY: 23.0 KW SHF: 0.82 INPUT: 9780 W																																																	
INDOOR DB(°C)		INDOOR WB(°C)		OUTDOOR DB (°C)																																													
				-15				-5				0				5				10				15				20				25				30				35				40				45	
Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT		
21	18	22.27	14.25	0.64	7138	22.04	14.11	0.64	7203	21.80	13.96	0.64	7268	21.52	13.78	0.64	7327	21.31	13.64	0.64	7364	21.08	13.49	0.64	7608	20.79	13.30	0.64	7942	20.42	13.07	0.64	8476	19.94	12.76	0.64	8867	19.36	12.39	0.64	9198	17.77	11.38	0.64	9769	14.66	9.38	0.64	10141
21	20	23.18	12.06	0.52	7162	22.95	11.94	0.52	7226	22.70	11.81	0.52	7292	22.41	11.65	0.52	7351	22.19	11.54	0.52	7387	21.95	11.41	0.52	7631	21.65	11.26	0.52	7965	21.26	11.06	0.52	8500	20.77	10.80	0.52	8890	20.16	10.48	0.52	9222	18.51	9.62	0.52	9793	15.27	7.94	0.52	10164
22	18	22.95	15.61	0.68	7210	22.73	15.45	0.68	7276	22.48	15.29	0.68	7342	22.19	15.09	0.68	7401	21.97	14.94	0.68	7438	21.73	14.78	0.68	7685	21.43	14.57	0.68	8022	21.05	14.32	0.68	8562	20.56	13.98	0.68	8956	19.96	13.57	0.68	9291	18.32	12.46	0.68	9868	15.12	10.28	0.68	10243
22	20	23.66	13.25	0.56	7234	23.42	13.12	0.56	7299	23.17	12.97	0.56	7366	22.87	12.81	0.56	7425	22.64	12.68	0.56	7462	22.40	12.54	0.56	7708	22.09	12.37	0.56	8046	21.70	12.15	0.56	8586	21.19	11.87	0.56	8980	20.57	11.52	0.56	9315	18.88	10.58	0.56	9892	15.58	8.72	0.56	10267
22	22	24.06	10.59	0.44	7250	23.82	10.48	0.44	7316	23.56	10.37	0.44	7382	23.26	10.23	0.44	7441	23.03	10.13	0.44	7478	22.78	10.02	0.44	7724	22.46	9.88	0.44	8062	22.07	9.71	0.44	8602	21.55	9.48	0.44	8996	20.92	9.21	0.44	9331	19.21	8.45	0.44	9908	15.84	6.97	0.44	10283
23	18	23.42	16.86	0.72	7283	23.19	16.70	0.72	7349	22.94	16.52	0.72	7416	22.64	16.30	0.72	7476	22.42	16.14	0.72	7513	22.18	15.97	0.72	7762	21.87	15.75	0.72	8103	21.48	15.47	0.72	8648	20.98	15.10	0.72	9047	20.37	14.66	0.72	9385	18.70	13.46	0.72	9967	15.43	11.11	0.72	10347
23	20	24.14	14.48	0.60	7307	23.90	14.34	0.60	7373	23.64	14.18	0.60	7440	23.34	14.00	0.60	7500	23.11	13.86	0.60	7537	22.85	13.71	0.60	7786	22.54	13.52	0.60	8127	22.14	13.28	0.60	8672	21.62	12.97	0.60	9071	20.99	12.59	0.60	9409	19.27	11.56	0.60	9992	15.90	9.54	0.60	10371
23	22	24.55	11.78	0.48	7323	24.31	11.67	0.48	7389	24.04	11.54	0.48	7456	23.73	11.39	0.48	7516	23.50	11.28	0.48	7554	23.24	11.16	0.48	7803	22.92	11.00	0.48	8143	22.52	10.81	0.48	8689	21.99	10.55	0.48	9087	21.35	10.25	0.48	9425	19.60	9.41	0.48	10008	16.17	7.76	0.48	10387
24	18	23.90	18.16	0.76	7356	23.66	17.98	0.76	7423	23.41	17.79	0.76	7491	23.11	17.56	0.76	7551	22.88	17.39	0.76	7589	22.63	17.20	0.76	7841	22.32	16.96	0.76	8185	21.92	16.66	0.76	8736	21.41	16.27	0.76	9138	20.78	15.80	0.76	9480	19.08	14.50	0.76	10068	15.74	11.96	0.76	10451
24	20	24.63	15.76	0.64	7381	24.39	15.61	0.64	7448	24.12	15.44	0.64	7515	23.81	15.24	0.64	7576	23.58	15.09	0.64	7614	23.32	14.93	0.64	7865	23.00	14.72	0.64	8209	22.59	14.46	0.64	8760	22.06	14.12	0.64	9162	21.42	13.71	0.64	9504	19.66	12.58	0.64	10092	16.22	10.38	0.64	10475
24	22	25.05	13.03	0.52	7397	24.80	12.90	0.52	7464	24.53	12.76	0.52	7532	24.22	12.59	0.52	7592	23.98	12.47	0.52	7630	23.72	12.33	0.52	7881	23.39	12.16	0.52	8225	22.98	11.95	0.52	8776	22.44	11.67	0.52	9179	21.78	11.33	0.52	9521	20.00	10.40	0.52	10109	16.50	8.58	0.52	10492
24	24	25.40	10.16	0.40	7417	25.15	10.06	0.40	7484	24.88	9.95	0.40	7551	24.56	9.82	0.40	7612	24.31	9.73	0.40	7650	24.05	9.62	0.40	7901	23.72	9.49	0.40	8245	23.30	9.32	0.40	8796	22.75	9.10	0.40	9198	22.09	8.84	0.40	9540	20.28	8.11	0.40	10128	16.73	6.69	0.40	10511
25	18	24.64	19.71	0.80	7431	24.40	19.52	0.80	7498	24.13	19.30	0.80	7567	23.82	19.06	0.80	7628	23.58	18.87	0.80	7666	23.33	18.66	0.80	7920	23.01	18.40	0.80	8267	22.60	18.08	0.80	8824	22.07	17.66	0.80	9231	21.43	17.14	0.80	9576	19.67	15.74	0.80	10170	16.23	12.98	0.80	10557
25	20	25.39	17.27	0.68	7455	25.14	17.10	0.68	7523	24.87	16.91	0.68	7591	24.55	16.69	0.68	7652	24.31	16.53	0.68	7691	24.04	16.35	0.68	7944	23.71	16.12	0.68	8292	23.29	15.84	0.68	8848	22.74	15.47	0.68	9255	22.08	15.02	0.68	9600	20.27	13.78	0.68	10194	16.72	11.37	0.68	10581
25	22	25.83	14.46	0.56	7472	25.57	14.32	0.56	7540	25.29	14.16	0.56	7608	24.97	13.98	0.56	7669	24.72	13.84	0.56	7707	24.45	13.69	0.56	7961	24.11	13.50	0.56	8309	23.69	13.26	0.56	8865	23.13	12.95	0.56	9272	22.46	12.58	0.56	9617	20.62	11.55	0.56	10211	17.01	9.52	0.56	10598
25	24	26.19	11.52	0.44	7492	25.93	11.41	0.44	7559	25.65	11.28	0.44	7627	25.32	11.14	0.44	7688	25.07	11.03	0.44	7727	24.79	10.91	0.44	7981	24.45	10.76	0.44	8328	24.02	10.57	0.44	8885	23.46	10.32	0.44	9291	22.77	10.02	0.44	9636	20.90	9.20	0.44	10231	17.25	7.59	0.44	10617
26	18	25.40	21.34	0.84	7506	25.15	21.13	0.84	7574	24.88	20.90	0.84	7643	24.56	20.63	0.84	7705	24.31	20.42	0.84	7743	24.05	20.20	0.84	8000	23.72	19.92	0.84	8351	23.30	19.57	0.84	8913	22.75	19.11	0.84	9324	22.09	18.55	0.84	9672	20.28	17.03	0.84	10273	16.73	14.05	0.84	10663
26	20	26.18	18.85	0.72	7531	25.92	18.66	0.72	7599	25.64	18.46	0.72	7668	25.31	18.22	0.72	7729	25.06	18.04	0.72	7768	24.79	17.85	0.72	8025	24.44	17.60	0.72	8376	24.01	17.29	0.72	8938	23.45	16.88	0.72	9348	22.77	16.39	0.72	9697	20.90	15.05	0.72	10297	17.24	12.41	0.72	10688
26	22	26.62	15.97	0.60	7547	26.36	15.82	0.60	7616	26.07	15.64	0.60	7685	25.74	15.44	0.60	7746	25.48	15.29	0.60	7785	25.21	15.12	0.60	8041	24.86	14.90	0.60	8392	24.42	14.65	0.60	8955	23.85	14.31	0.60	9365	23.15	13.89	0.60	9714	21.25	12.75	0.60	10314	17.53	10.52	0.60	10705
26	24	27.00	12.96	0.48	7567	26.73	12.83	0.48	7635	26.44	12.69	0.48	7704	26.10	12.53	0.48	7766	25.84	12.40	0.48	7805	25.56	12.27	0.48	8061	25.21	12.10	0.48	8412	24.76	11.89	0.48	8974	24.18	11.61	0.48	9385	23.48	11.27	0.48	9734	21.55	10.34	0.48	10334	17.78	8.53	0.48	10725
26	26	27.43	9.87	0.36	7590	27.16	9.78	0.36	7658	26.86	9.67	0.36	7727	26.52	9.55	0.36	7789	26.25	9.45	0.36	7828	25.97	9.35	0.36	8084	25.61	9.22	0.36	8435	25.16	9.06	0.36	8997	24.57	8.84	0.36	9408	23.85	8.59	0.36	9756	21.90	7.88	0.36	10357	18.06	6.50	0.36	10747
27	18	25.92	22.81	0.88	7582	25.66	22.58	0.88	7651	25.38	22.34	0.88	7720	25.06	22.05	0.88	7783	24.81	21.83	0.88	7822	24.54	21.60	0.88	8081	24.20	21.30	0.88	8435	23.77	20.92	0.88	9003	23.22	20.43	0.88	9418	22.54	19.84	0.88	9770	20.69	18.21	0.88	10376	17.07	15.02	0.88	10771
27	20	26.45	21.69	0.82	7592	26.19	21.47	0.82	7661	25.90	21.22	0.82	7730	25.57	20.97	0.82	7793	25.32	20.76	0.82	7832	25.04	20.53	0.82	8091	24.70	20.25	0.82	8445	24.26	19.89	0.82	9003	23.69	19.43	0.82	9428	23.00	18.86	0.82	9780	21.11	17.31	0.82	10386	17.42	14.28	0.82	10781
27	22	26.71	20.30	0.76	7607	26.45	20.10	0.76	7676	26.16	19.88	0.76	7745	25.83	19.63	0.76	7808	25.57	19.43	0.76	7847	25.29	19.22	0.76	8106	2																							

4. CAPACITIES AND SELECTION DATA

AUC-48UR4RKC8 & AUW-48U6RN8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AUC-48UR4RKC8 & AUW-48U6RN8																																																	
CAPACITY: 13.5 kW SHF: 0.70 INPUT: 4730 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT				
21	18	13.07	6.80	0.52	3447	12.94	6.73	0.52	3479	12.80	6.66	0.52	3510	12.63	6.57	0.52	3539	12.51	6.50	0.52	3557	12.37	6.43	0.52	3675	12.20	6.35	0.52	3836	11.99	6.23	0.52	4095	11.71	6.09	0.52	4283	11.36	5.91	0.52	4444	10.43	5.42	0.52	4720	8.61	4.48	0.52	4900
21	20	13.61	5.44	0.40	3471	13.47	5.39	0.40	3502	13.33	5.33	0.40	3534	13.16	5.26	0.40	3562	13.02	5.21	0.40	3580	12.88	5.15	0.40	3698	12.71	5.08	0.40	3860	12.48	4.99	0.40	4118	12.19	4.88	0.40	4307	11.83	4.73	0.40	4467	10.86	4.35	0.40	4743	8.96	3.58	0.40	4923
22	18	13.47	7.54	0.56	3482	13.34	7.47	0.56	3514	13.19	7.39	0.56	3546	13.02	7.29	0.56	3575	12.90	7.22	0.56	3593	12.76	7.14	0.56	3712	12.58	7.04	0.56	3875	12.36	6.92	0.56	4136	12.07	6.76	0.56	4327	11.72	6.56	0.56	4489	10.76	6.02	0.56	4768	8.87	4.97	0.56	4949
22	20	13.89	6.11	0.44	3506	13.75	6.05	0.44	3538	13.60	5.98	0.44	3570	13.42	5.91	0.44	3598	13.29	5.85	0.44	3616	13.15	5.78	0.44	3735	12.96	5.70	0.44	3899	12.74	5.60	0.44	4160	12.44	5.47	0.44	4351	12.07	5.31	0.44	4512	11.08	4.88	0.44	4791	9.14	4.02	0.44	4973
22	22	14.12	4.52	0.32	3522	13.98	4.47	0.32	3554	13.83	4.43	0.32	3586	13.65	4.37	0.32	3614	13.52	4.33	0.32	3633	13.37	4.28	0.32	3752	13.19	4.22	0.32	3915	12.95	4.14	0.32	4176	12.65	4.05	0.32	4367	12.28	3.93	0.32	4529	11.27	3.61	0.32	4808	9.30	2.98	0.32	4989
23	18	13.75	8.25	0.60	3517	13.61	8.17	0.60	3549	13.46	8.08	0.60	3582	13.29	7.97	0.60	3611	13.16	7.90	0.60	3629	13.02	7.81	0.60	3749	12.84	7.70	0.60	3914	12.61	7.57	0.60	4178	12.31	7.39	0.60	4370	11.96	7.17	0.60	4534	10.97	6.58	0.60	4816	9.05	5.43	0.60	4999
23	20	14.17	6.80	0.48	3541	14.03	6.73	0.48	3573	13.88	6.66	0.48	3606	13.70	6.57	0.48	3635	13.56	6.51	0.48	3653	13.41	6.44	0.48	3773	13.23	6.35	0.48	3938	13.00	6.24	0.48	4202	12.69	6.09	0.48	4394	12.32	5.91	0.48	4558	11.31	5.43	0.48	4840	9.33	4.48	0.48	5023
23	22	14.41	5.19	0.36	3558	14.27	5.14	0.36	3590	14.11	5.08	0.36	3622	13.93	5.01	0.36	3651	13.79	4.97	0.36	3669	13.64	4.91	0.36	3789	13.45	4.84	0.36	3954	13.22	4.76	0.36	4218	12.91	4.65	0.36	4411	12.53	4.51	0.36	4574	11.50	4.14	0.36	4856	9.49	3.42	0.36	5039
24	18	14.03	8.98	0.64	3553	13.89	8.89	0.64	3585	13.74	8.79	0.64	3618	13.56	8.68	0.64	3647	13.43	8.59	0.64	3666	13.28	8.50	0.64	3787	13.10	8.38	0.64	3953	12.87	8.23	0.64	4220	12.57	8.04	0.64	4415	12.20	7.81	0.64	4580	11.20	7.17	0.64	4864	9.24	5.91	0.64	5050
24	20	14.46	7.52	0.52	3577	14.31	7.44	0.52	3609	14.16	7.36	0.52	3642	13.98	7.27	0.52	3671	13.84	7.20	0.52	3690	13.69	7.12	0.52	3811	13.50	7.02	0.52	3978	13.26	6.90	0.52	4244	12.95	6.73	0.52	4439	12.57	6.54	0.52	4604	11.54	6.00	0.52	4889	9.52	4.95	0.52	5074
24	22	14.70	5.88	0.40	3594	14.56	5.82	0.40	3626	14.40	5.76	0.40	3659	14.21	5.69	0.40	3688	14.07	5.63	0.40	3706	13.92	5.57	0.40	3828	13.73	5.49	0.40	3994	13.49	5.39	0.40	4261	13.17	5.27	0.40	4455	12.79	5.11	0.40	4621	11.74	4.70	0.40	4905	9.68	3.87	0.40	5090
24	24	14.91	4.17	0.28	3613	14.76	4.13	0.28	3645	14.60	4.09	0.28	3678	14.41	4.04	0.28	3707	14.27	4.00	0.28	3726	14.12	3.95	0.28	3847	13.92	3.90	0.28	4014	13.67	3.83	0.28	4280	13.35	3.74	0.28	4475	12.97	3.63	0.28	4640	11.90	3.33	0.28	4925	9.82	2.75	0.28	5110
25	18	14.46	9.83	0.68	3589	14.32	9.74	0.68	3621	14.16	9.63	0.68	3654	13.98	9.51	0.68	3684	13.84	9.41	0.68	3703	13.69	9.31	0.68	3825	13.50	9.18	0.68	3993	13.26	9.02	0.68	4263	12.95	8.81	0.68	4459	12.58	8.55	0.68	4626	11.55	7.85	0.68	4913	9.52	6.48	0.68	5101
25	20	14.90	8.35	0.56	3613	14.76	8.26	0.56	3646	14.60	8.17	0.56	3679	14.41	8.07	0.56	3708	14.27	7.99	0.56	3727	14.11	7.90	0.56	3850	13.92	7.79	0.56	4018	13.67	7.66	0.56	4287	13.35	7.48	0.56	4484	12.96	7.26	0.56	4651	11.90	6.66	0.56	4938	9.82	5.50	0.56	5125
25	22	15.16	6.67	0.44	3630	15.01	6.60	0.44	3663	14.84	6.53	0.44	3696	14.65	6.45	0.44	3725	14.51	6.38	0.44	3744	14.35	6.31	0.44	3866	14.15	6.23	0.44	4035	13.90	6.12	0.44	4304	13.58	5.97	0.44	4500	13.18	5.80	0.44	4667	12.10	5.32	0.44	4955	9.98	4.39	0.44	5142
25	24	15.37	4.92	0.32	3650	15.22	4.87	0.32	3682	15.05	4.82	0.32	3715	14.86	4.76	0.32	3745	14.71	4.71	0.32	3763	14.55	4.66	0.32	3886	14.35	4.59	0.32	4054	14.10	4.51	0.32	4323	13.77	4.41	0.32	4520	13.37	4.28	0.32	4687	12.27	3.93	0.32	4974	10.12	3.24	0.32	5161
26	18	14.91	10.73	0.72	3625	14.76	10.63	0.72	3658	14.60	10.51	0.72	3691	14.41	10.38	0.72	3721	14.27	10.28	0.72	3740	14.12	10.16	0.72	3864	13.92	10.02	0.72	4034	13.67	9.85	0.72	4306	13.35	9.62	0.72	4504	12.97	9.34	0.72	4673	11.90	8.57	0.72	4963	9.82	7.07	0.72	5152
26	20	15.37	9.22	0.60	3650	15.21	9.13	0.60	3683	15.05	9.03	0.60	3716	14.86	8.91	0.60	3746	14.71	8.82	0.60	3765	14.55	8.73	0.60	3889	14.35	8.61	0.60	4058	14.09	8.46	0.60	4330	13.76	8.26	0.60	4529	13.36	8.02	0.60	4698	12.27	7.36	0.60	4988	10.12	6.07	0.60	5177
26	22	15.63	7.50	0.48	3667	15.47	7.43	0.48	3700	15.30	7.35	0.48	3733	15.11	7.25	0.48	3763	14.96	7.18	0.48	3782	14.80	7.10	0.48	3905	14.59	7.00	0.48	4075	14.33	6.88	0.48	4347	14.00	6.72	0.48	4546	13.59	6.52	0.48	4714	12.48	5.99	0.48	5005	10.29	4.94	0.48	5194
26	24	15.85	5.70	0.36	3686	15.69	5.65	0.36	3719	15.52	5.59	0.36	3753	15.32	5.51	0.36	3783	15.17	5.46	0.36	3801	15.00	5.40	0.36	3925	14.80	5.33	0.36	4095	14.53	5.23	0.36	4367	14.19	5.11	0.36	4566	13.78	4.96	0.36	4734	12.65	4.55	0.36	5025	10.44	3.76	0.36	5213
26	26	16.10	3.86	0.24	3709	15.94	3.83	0.24	3742	15.77	3.78	0.24	3775	15.56	3.74	0.24	3805	15.41	3.70	0.24	3824	15.24	3.66	0.24	3948	15.03	3.61	0.24	4118	14.77	3.54	0.24	4390	14.42	3.46	0.24	4588	14.00	3.36	0.24	4757	12.85	3.08	0.24	5047	10.60	2.54	0.24	5236
27	18	15.21	11.56	0.76	3662	15.06	11.45	0.76	3695	15.00	11.32	0.76	3729	14.71	11.18	0.76	3759	14.56	11.07	0.76	3778	14.40	10.95	0.76	3903	14.21	10.80	0.76	4074	13.95	10.60	0.76	4349	13.63	10.36	0.76	4550	13.23	10.05	0.76	4720	12.19	9.23	0.76	5013	10.02	7.62	0.76	5204
27	20	15.52	10.70	0.70	3672	15.37	10.76	0.70	3705	15.20	10.64	0.70	3739	15.01	10.51	0.70	3769	14.86	10.40	0.70	3788	14.70	10.29	0.70	3913	14.50	10.15	0.70	4084	14.24	10.02	0.70	4359	13.91	9.73	0.70	4560	13.50	9.45	0.70	4730	12.35	8.68	0.70	5023	10.22	7.16	0.70	5214
27	22	15.68	10.03	0.64	3687	15.52	9.94	0.64	3720	15.36	9.83	0.64	3754	15.16	9.70	0.64	3784	15.01	9.61	0.64	3803	14.84	9.50	0.64	3928	14.64	9.37	0.64	4099	14.38	9.20	0.64	4374	14.04	8.99	0.64	4575	13.64	8.73	0.64	4745	12.52	8.01	0.64	5038	10.33	6.61	0.64	5229
27	24	15.95	8.29	0.52	3704	15.79	8.21	0.52	3737	15.62	8.12	0.52																																					

4. CAPACITIES AND SELECTION DATA

AUC-60UR4RKC8 & AUW-60U6RW8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																											
AUC-60UR4RKC8 & AUW-60U6RW8																																																											
CAPACITY: 16.0 kW SHF: 0.70 INPUT: 5500 W																																																											
		OUTDOOR DB (°C)																																																									
INDOOR DB(°C)	INDOOR WB(°C)	-15				-5				0				5				10				15				20				25				30				35				40				45													
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT										
21	18	15.49	8.05	0.52	4010	15.34	7.97	0.52	4047	15.17	7.89	0.52	4083	14.97	7.79	0.52	4116	14.83	7.71	0.52	4137	14.66	7.63	0.52	4274	14.46	7.52	0.52	4462	14.21	7.39	0.52	4763	13.87	7.21	0.52	4982	13.47	7.00	0.52	5169	12.36	6.43	0.52	5490	10.20	5.30	0.52	5699										
	20	16.13	6.45	0.40	4034	15.97	6.39	0.40	4070	15.79	6.32	0.40	4107	15.59	6.24	0.40	4140	15.44	6.17	0.40	4161	15.27	6.11	0.40	4298	15.06	6.02	0.40	4486	14.79	5.92	0.40	4786	14.45	5.78	0.40	5006	14.02	5.61	0.40	5192	12.87	5.15	0.40	5513	10.62	4.25	0.40	5722										
22	18	15.97	8.94	0.56	4051	15.81	8.85	0.56	4087	15.64	8.76	0.56	4125	15.48	8.64	0.56	4158	15.28	8.56	0.56	4179	15.12	8.47	0.56	4317	14.91	8.35	0.56	4505	14.65	8.20	0.56	4811	14.30	8.01	0.56	5033	13.89	7.78	0.56	5221	12.75	7.14	0.56	5545	10.52	5.89	0.56	5756										
22	20	16.46	7.24	0.44	4074	16.29	7.17	0.44	4111	16.12	7.09	0.44	4148	15.91	7.00	0.44	4182	15.75	6.93	0.44	4203	15.58	6.86	0.44	4341	15.37	6.76	0.44	4531	15.09	6.64	0.44	4835	14.74	6.49	0.44	5056	14.31	6.34	0.44	5245	13.14	5.78	0.44	5569	11.04	4.77	0.44	5780										
22	22	16.74	5.36	0.32	4091	16.57	5.30	0.32	4127	16.39	5.24	0.32	4165	16.18	5.18	0.32	4198	16.02	5.13	0.32	4221	15.85	5.07	0.32	4357	15.63	5.00	0.32	4547	15.35	4.91	0.32	4851	14.99	4.80	0.32	5073	14.55	4.66	0.32	5264	13.36	4.28	0.32	5585	11.02	3.53	0.32	5796										
23	18	16.29	9.78	0.60	4091	16.13	9.68	0.60	4129	15.96	9.57	0.60	4166	15.75	9.45	0.60	4200	15.60	9.36	0.60	4221	15.43	9.26	0.60	4357	15.21	9.13	0.60	4553	14.94	8.97	0.60	4859	14.59	8.76	0.60	5083	14.17	8.50	0.60	5271	13.01	7.80	0.60	5601	10.73	6.44	0.60	5814										
23	20	16.79	8.06	0.48	4116	16.63	7.98	0.48	4153	16.45	7.89	0.48	4190	16.23	7.79	0.48	4224	16.07	7.72	0.48	4245	15.90	7.63	0.48	4385	15.68	7.53	0.48	4577	15.40	7.39	0.48	4883	15.04	7.22	0.48	5107	14.60	7.01	0.48	5298	13.41	6.43	0.48	5625	11.06	5.31	0.48	5838										
23	22	17.08	6.15	0.36	4132	16.91	6.09	0.36	4169	16.72	6.02	0.36	4207	16.51	5.94	0.36	4240	16.35	5.88	0.36	4262	16.17	5.82	0.36	4401	15.95	5.74	0.36	4593	15.66	5.64	0.36	4900	15.30	5.51	0.36	5124	14.85	5.35	0.36	5314	13.63	4.91	0.36	5642	11.25	4.05	0.36	5855										
24	18	16.63	10.64	0.64	4133	16.46	10.54	0.64	4170	16.28	10.42	0.64	4208	16.07	10.29	0.64	4242	15.91	10.19	0.64	4264	15.74	10.07	0.64	4405	15.52	9.94	0.64	4599	15.25	9.76	0.64	4908	14.89	9.53	0.64	5135	14.46	9.25	0.64	5327	13.27	8.49	0.64	5658	10.95	7.01	0.64	5873										
24	20	17.14	8.91	0.52	4157	16.97	8.82	0.52	4195	16.78	8.73	0.52	4233	16.57	8.61	0.52	4267	16.40	8.53	0.52	4288	16.22	8.44	0.52	4429	16.00	8.32	0.52	4623	15.72	8.17	0.52	4933	15.35	7.98	0.52	5159	14.90	7.75	0.52	5351	13.68	7.11	0.52	5682	11.29	5.87	0.52	5897										
24	22	17.43	6.97	0.40	4174	17.25	6.90	0.40	4211	17.07	6.83	0.40	4249	16.85	6.74	0.40	4283	16.68	6.67	0.40	4305	16.50	6.60	0.40	4446	16.27	6.51	0.40	4639	15.98	6.39	0.40	4949	15.61	6.24	0.40	5176	15.15	6.06	0.40	5368	13.91	5.56	0.40	5699	11.48	4.59	0.40	5914										
24	24	17.67	4.95	0.28	4193	17.50	4.90	0.28	4231	17.31	4.85	0.28	4269	17.08	4.78	0.28	4303	16.91	4.74	0.28	4324	16.73	4.68	0.28	4465	16.50	4.62	0.28	4659	16.21	4.54	0.28	4969	15.83	4.43	0.28	5195	15.37	4.30	0.28	5378	14.11	3.95	0.28	5718	11.64	3.26	0.28	5933										
25	18	17.41	11.66	0.68	4175	16.97	11.54	0.68	4213	16.79	11.41	0.68	4251	16.57	11.27	0.68	4285	16.41	11.16	0.68	4307	16.23	11.04	0.68	4450	16.00	10.88	0.68	4645	15.72	10.69	0.68	4958	15.35	10.44	0.68	5187	14.91	10.18	0.68	5381	13.68	9.30	0.68	5715	11.29	7.68	0.68	5933										
25	20	17.67	9.89	0.56	4199	17.49	9.79	0.56	4237	17.30	9.69	0.56	4275	17.08	9.56	0.56	4311	16.91	9.47	0.56	4331	16.72	9.37	0.56	4474	16.49	9.24	0.56	4670	16.20	9.07	0.56	4983	15.82	8.86	0.56	5211	15.36	8.60	0.56	5405	14.10	7.90	0.56	5739	11.63	6.52	0.56	5957										
25	22	17.97	7.90	0.44	4216	17.79	7.83	0.44	4254	17.59	7.74	0.44	4292	17.37	7.64	0.44	4326	17.20	7.57	0.44	4348	17.01	7.48	0.44	4491	16.77	7.38	0.44	4686	16.48	7.25	0.44	4999	16.09	7.08	0.44	5228	15.62	6.87	0.44	5422	14.34	6.31	0.44	5756	11.83	5.21	0.44	5974										
25	24	18.22	5.83	0.32	4235	18.04	5.77	0.32	4273	17.84	5.71	0.32	4312	17.61	5.64	0.32	4346	17.44	5.58	0.32	4368	17.25	5.52	0.32	4510	17.01	5.44	0.32	4706	16.71	5.35	0.32	5019	16.32	5.22	0.32	5247	15.84	5.07	0.32	5472	14.54	4.65	0.32	5776	12.00	3.84	0.32	5993										
26	18	18.22	12.70	0.72	4217	17.50	12.60	0.72	4255	17.31	12.46	0.72	4294	17.08	12.30	0.72	4329	16.91	12.18	0.72	4357	16.73	12.05	0.72	4495	16.50	11.88	0.72	4692	16.21	11.67	0.72	5008	15.83	11.40	0.72	5239	15.37	11.06	0.72	5435	14.11	10.16	0.72	5773	11.64	8.38	0.72	5992										
26	20	18.21	10.93	0.60	4241	18.03	10.82	0.60	4280	17.83	10.70	0.60	4319	17.61	10.56	0.60	4353	17.43	10.46	0.60	4375	17.24	10.35	0.60	4519	17.00	10.20	0.60	4717	16.70	10.02	0.60	5033	16.31	9.79	0.60	5264	15.84	9.50	0.60	5480	14.54	8.72	0.60	5797	11.99	7.20	0.60	6017										
26	22	18.52	8.89	0.48	4258	18.34	8.80	0.48	4297	18.14	8.71	0.48	4335	17.91	8.59	0.48	4370	17.73	8.51	0.48	4392	17.54	8.42	0.48	4536	17.29	8.30	0.48	4734	16.99	8.15	0.48	5050	16.59	7.96	0.48	5281	16.11	7.73	0.48	5477	14.79	7.10	0.48	5814	12.20	5.85	0.48	6034										
26	24	18.78	6.76	0.36	4278	18.59	6.69	0.36	4315	18.39	6.62	0.36	4355	18.16	6.54	0.36	4390	17.98	6.47	0.36	4412	17.78	6.40	0.36	4556	17.54	6.31	0.36	4753	17.25	6.10	0.36	5070	16.82	6.06	0.36	5300	16.33	5.88	0.36	5497	14.99	5.40	0.36	5834	12.37	4.45	0.36	6054										
26	26	19.08	4.58	0.24	4301	18.89	4.53	0.24	4339	18.69	4.48	0.24	4378	18.45	4.43	0.24	4413	18.26	4.38	0.24	4435	18.07	4.34	0.24	4579	17.82	4.28	0.24	4776	17.50	4.20	0.24	5092	17.09	4.10	0.24	5323	16.59	3.98	0.24	5519	15.23	3.66	0.24	5857	12.57	3.02	0.24	6077										
27	18	18.03	13.70	0.76	4259	17.85	13.57	0.76	4298	17.66	13.42	0.76	4337	17.43	13.25	0.76	4372	17.26	13.12	0.76	4394	17.07	12.97	0.76	4540	16.84	12.80	0.76	4739	16.54	12.57	0.76	5059	16.15	12.27	0.76	5292	15.68	11.92	0.76	5490	14.39	10.94	0.76	5831	11.88	9.30	0.76	6053										
27	20	18.58	11.89	0.64	4284	18.40	11.78	0.64	4323	18.20	11.65	0.64	4362	17.97	11.50	0.64	4397	17.79	11.38	0.64	4419	17.59	11.26	0.64	4565	17.35	11.10	0.64	4764	17.04	10.91	0.64	5084	16.64	10.65	0.64	5317	16.16	10.34	0.64	5515	14.83	9.49	0.64	5856	12.24	7.83	0.64	6078										
27	22	18.90	9.83	0.52	4301	18.71	9.73	0.52	4340	18.51	9.62	0.52	4379	18.27	9.50	0.52	4414	18.09	9.41	0.52	4434	17.89	9.30	0.52	4582	17.65	9.18	0.52	4781	17.33	9.01	0.52	5101	16.93	8.80	0.52	5334	16.43	8.55	0.52	5552	15.09	7.85	0.52	5873	12.45	6.47	0.52	6095										
27	24	19.16	7.67	0.40	4321	18.97	7.59	0.40	4360	18.77	7.51	0.40	4399	18.53	7.41	0.40	4434	18.34	7.34	0.40	4456	18.14	7.26	0.40	4602	17.89	7.16	0.40	4801	17.58	7.03	0.40	5121	17.16	6.87	0.40	5354	16.66	6.65	0.40	5552	15.30	6.12	0.40	5893	12.62	5.05	0.40	6115										
27	26	19.47	5.45	0.28	4344	19.28	5.40	0.28	4383	19.07	5.34	0.28	4422	18.82	5.27	0.28	4457	18.64	5.2																																								

4. CAPACITIES AND SELECTION DATA

Ceiling & Floor type

AUV-48UR4RC8 & AUW-48U6RN8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AUV-48UR4RC8 & AUW-48U6RN8																																																	
CAPACITY: 13.5 kW SHF: 0.70 INPUT: 4730 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT				
21	18	13.07	6.80	0.52	3447	12.94	6.73	0.52	3479	12.80	6.66	0.52	3510	12.63	6.57	0.52	3539	12.51	6.50	0.52	3557	12.37	6.43	0.52	3675	12.20	6.35	0.52	3836	11.99	6.23	0.52	4095	11.71	6.09	0.52	4283	11.36	5.91	0.52	4444	10.43	5.42	0.52	4720	8.61	4.48	0.52	4900
21	20	13.61	5.44	0.40	3471	13.47	5.39	0.40	3502	13.33	5.33	0.40	3534	13.16	5.26	0.40	3562	13.02	5.21	0.40	3580	12.88	5.15	0.40	3698	12.71	5.08	0.40	3860	12.48	4.99	0.40	4118	12.19	4.88	0.40	4307	11.83	4.73	0.40	4467	10.86	4.35	0.40	4743	8.96	3.58	0.40	4923
22	18	13.47	7.54	0.56	3482	13.34	7.47	0.56	3514	13.19	7.39	0.56	3546	13.02	7.29	0.56	3575	12.90	7.22	0.56	3593	12.76	7.14	0.56	3712	12.58	7.04	0.56	3875	12.36	6.92	0.56	4136	12.07	6.76	0.56	4327	11.72	6.56	0.56	4489	10.76	6.02	0.56	4768	8.87	4.97	0.56	4949
22	20	13.89	6.11	0.44	3506	13.75	6.05	0.44	3538	13.60	5.98	0.44	3570	13.42	5.91	0.44	3598	13.29	5.85	0.44	3616	13.15	5.78	0.44	3735	12.96	5.70	0.44	3899	12.74	5.60	0.44	4160	12.44	5.47	0.44	4351	12.07	5.31	0.44	4512	11.08	4.88	0.44	4791	9.14	4.02	0.44	4973
22	22	14.12	4.52	0.32	3522	13.98	4.47	0.32	3554	13.83	4.43	0.32	3586	13.65	4.37	0.32	3614	13.52	4.33	0.32	3633	13.37	4.28	0.32	3752	13.19	4.22	0.32	3915	12.95	4.14	0.32	4176	12.65	4.05	0.32	4367	12.28	3.93	0.32	4529	11.27	3.61	0.32	4808	9.30	2.98	0.32	4989
23	18	13.75	8.25	0.60	3517	13.61	8.17	0.60	3549	13.46	8.08	0.60	3582	13.29	7.97	0.60	3611	13.16	7.90	0.60	3629	13.02	7.81	0.60	3749	12.84	7.70	0.60	3914	12.61	7.57	0.60	4178	12.31	7.39	0.60	4370	11.96	7.17	0.60	4534	10.97	6.58	0.60	4816	9.05	5.43	0.60	4999
23	20	14.17	6.80	0.48	3541	14.03	6.73	0.48	3573	13.88	6.66	0.48	3606	13.70	6.57	0.48	3635	13.56	6.51	0.48	3653	13.41	6.44	0.48	3773	13.23	6.35	0.48	3938	13.00	6.24	0.48	4202	12.69	6.09	0.48	4394	12.32	5.91	0.48	4558	11.31	5.43	0.48	4840	9.33	4.48	0.48	5023
23	22	14.41	5.19	0.36	3558	14.27	5.14	0.36	3590	14.11	5.08	0.36	3622	13.93	5.01	0.36	3651	13.79	4.97	0.36	3669	13.64	4.91	0.36	3789	13.45	4.84	0.36	3954	13.22	4.76	0.36	4218	12.91	4.65	0.36	4411	12.53	4.51	0.36	4574	11.50	4.14	0.36	4856	9.49	3.42	0.36	5039
24	18	14.03	8.98	0.64	3553	13.89	8.89	0.64	3585	13.74	8.79	0.64	3618	13.56	8.68	0.64	3647	13.43	8.59	0.64	3666	13.28	8.50	0.64	3787	13.10	8.38	0.64	3953	12.87	8.23	0.64	4220	12.57	8.04	0.64	4415	12.20	7.81	0.64	4580	11.20	7.17	0.64	4864	9.24	5.91	0.64	5050
24	20	14.46	7.52	0.52	3577	14.31	7.44	0.52	3609	14.16	7.36	0.52	3642	13.98	7.27	0.52	3671	13.84	7.20	0.52	3690	13.69	7.12	0.52	3811	13.50	7.02	0.52	3978	13.26	6.90	0.52	4244	12.95	6.73	0.52	4439	12.57	6.54	0.52	4604	11.54	6.00	0.52	4889	9.52	4.95	0.52	5074
24	22	14.70	5.88	0.40	3594	14.56	5.82	0.40	3626	14.40	5.76	0.40	3659	14.21	5.69	0.40	3688	14.07	5.63	0.40	3706	13.92	5.57	0.40	3828	13.73	5.49	0.40	3994	13.49	5.39	0.40	4261	13.17	5.27	0.40	4455	12.79	5.11	0.40	4621	11.74	4.70	0.40	4905	9.68	3.87	0.40	5090
24	24	14.91	4.17	0.28	3613	14.76	4.13	0.28	3645	14.60	4.09	0.28	3678	14.41	4.04	0.28	3707	14.27	4.00	0.28	3726	14.12	3.95	0.28	3847	13.92	3.90	0.28	4014	13.67	3.83	0.28	4280	13.35	3.74	0.28	4475	12.97	3.63	0.28	4640	11.90	3.33	0.28	4925	9.82	2.75	0.28	5110
25	18	14.46	9.83	0.68	3589	14.32	9.74	0.68	3621	14.16	9.63	0.68	3654	13.98	9.51	0.68	3684	13.84	9.41	0.68	3703	13.69	9.31	0.68	3825	13.50	9.18	0.68	3993	13.26	9.02	0.68	4263	12.95	8.81	0.68	4459	12.58	8.55	0.68	4626	11.55	7.85	0.68	4913	9.52	6.48	0.68	5101
25	20	14.90	8.35	0.56	3613	14.76	8.26	0.56	3646	14.60	8.17	0.56	3679	14.41	8.07	0.56	3708	14.27	7.99	0.56	3727	14.11	7.90	0.56	3850	13.92	7.79	0.56	4018	13.67	7.66	0.56	4287	13.35	7.48	0.56	4484	12.96	7.26	0.56	4651	11.90	6.66	0.56	4938	9.82	5.50	0.56	5125
25	22	15.16	6.67	0.44	3630	15.01	6.60	0.44	3663	14.84	6.53	0.44	3696	14.65	6.45	0.44	3725	14.51	6.38	0.44	3744	14.35	6.31	0.44	3866	14.15	6.23	0.44	4035	13.90	6.12	0.44	4304	13.58	5.97	0.44	4500	12.67	5.62	0.44	4667	11.20	5.32	0.44	4955	9.98	4.39	0.44	5142
25	24	15.37	4.92	0.32	3650	15.22	4.87	0.32	3682	15.05	4.82	0.32	3715	14.86	4.76	0.32	3745	14.71	4.71	0.32	3763	14.55	4.66	0.32	3886	14.35	4.59	0.32	4054	14.10	4.51	0.32	4323	13.77	4.41	0.32	4520	13.37	4.28	0.32	4687	12.27	3.93	0.32	4974	10.12	3.24	0.32	5161
26	18	14.91	10.73	0.72	3625	14.76	10.63	0.72	3658	14.60	10.51	0.72	3691	14.41	10.38	0.72	3721	14.27	10.28	0.72	3740	14.12	10.16	0.72	3864	13.92	10.02	0.72	4034	13.67	9.85	0.72	4306	13.35	9.62	0.72	4504	12.97	9.34	0.72	4673	11.90	8.57	0.72	4963	9.82	7.07	0.72	5152
26	20	15.37	9.22	0.60	3650	15.21	9.13	0.60	3683	15.05	9.03	0.60	3716	14.86	8.91	0.60	3746	14.71	8.82	0.60	3765	14.55	8.73	0.60	3889	14.35	8.61	0.60	4058	14.09	8.46	0.60	4330	13.76	8.26	0.60	4529	13.36	8.02	0.60	4698	12.27	7.36	0.60	4988	10.12	6.07	0.60	5177
26	22	15.63	7.50	0.48	3667	15.47	7.43	0.48	3700	15.30	7.35	0.48	3733	15.11	7.25	0.48	3763	14.96	7.18	0.48	3782	14.80	7.10	0.48	3905	14.59	7.00	0.48	4075	14.33	6.88	0.48	4347	14.00	6.72	0.48	4546	13.59	6.52	0.48	4714	12.48	5.99	0.48	5005	10.29	4.94	0.48	5194
26	24	15.85	5.70	0.36	3686	15.69	5.65	0.36	3719	15.52	5.59	0.36	3753	15.32	5.51	0.36	3783	15.17	5.46	0.36	3801	15.00	5.40	0.36	3925	14.80	5.33	0.36	4095	14.53	5.23	0.36	4367	14.19	5.11	0.36	4566	13.78	4.96	0.36	4734	12.65	4.55	0.36	5025	10.44	3.76	0.36	5213
26	26	16.10	3.86	0.24	3709	15.94	3.83	0.24	3742	15.77	3.78	0.24	3775	15.56	3.74	0.24	3805	15.41	3.70	0.24	3824	15.24	3.66	0.24	3948	15.03	3.61	0.24	4118	14.77	3.54	0.24	4390	14.42	3.46	0.24	4588	14.00	3.36	0.24	4757	12.85	3.08	0.24	5047	10.60	2.54	0.24	5236
27	18	15.21	11.56	0.76	3662	15.06	11.45	0.76	3695	14.90	11.32	0.76	3729	14.71	11.18	0.76	3759	14.56	11.07	0.76	3778	14.40	10.95	0.76	3903	14.21	10.80	0.76	4074	13.97	10.60	0.76	4349	13.63	10.36	0.76	4550	13.23	10.05	0.76	4720	12.15	9.23	0.76	5013	10.02	7.62	0.76	5204
27	20	15.52	10.87	0.70	3672	15.37	10.76	0.70	3705	15.20	10.64	0.70	3739	15.01	10.51	0.70	3769	14.86	10.40	0.70	3788	14.70	10.29	0.70	3913	14.50	10.15	0.70	4084	14.24	9.97	0.70	4359	13.91	9.73	0.70	4560	13.50	9.45	0.70	4730	12.39	8.68	0.70	5023	10.22	7.16	0.70	5214
27	22	15.68	10.03	0.64	3687	15.52	9.94	0.64	3720	15.36	9.83	0.64	3754	15.16	9.70	0.64	3784	15.01	9.61	0.64	3803	14.84	9.50	0.64	3928	14.64	9.37	0.64	4099	14.38	9.20	0.64	4374	14.04	8.99	0.64	4575	13.64	8.73	0.64	4745	12.52	8.01	0.64	5038	10.33	6.61	0.64	5229
27	24	15.95	8.29	0.52	3704	15.79	8.21	0.52	3737	15.62	8.12	0.52	3771	15.42	8.02	0.52	3801	15.26	7.																														

AUV-60UR4RC8 & AUW-60U6RW8

36

4. CAPACITIES AND SELECTION DATA

Console type

AKT-09UR4RK8 & AUW-09U4RS8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AKT-09UR4RK8 & AUW-09U4RS8																																																	
CAPACITY: 2.60 kW SHF: 0.70 INPUT: 630 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT				
21	18	2.52	1.31	0.52	451	2.49	1.30	0.52	455	2.46	1.28	0.52	459	2.43	1.27	0.52	463	2.41	1.25	0.52	466	2.38	1.24	0.52	481	2.35	1.22	0.52	503	2.31	1.20	0.52	537	2.25	1.17	0.52	584	2.19	1.14	0.52	584	2.01	1.04	0.52	620	1.66	0.86	0.52	644
21	20	2.62	1.05	0.40	475	2.59	1.04	0.40	479	2.57	1.03	0.40	483	2.53	1.01	0.40	487	2.51	1.00	0.40	489	2.48	0.99	0.40	505	2.45	0.98	0.40	526	2.40	0.96	0.40	561	2.35	0.94	0.40	586	2.28	0.91	0.40	607	2.09	0.84	0.40	644	1.73	0.69	0.40	668
22	18	2.59	1.45	0.56	456	2.57	1.44	0.56	460	2.54	1.42	0.56	464	2.51	1.40	0.56	468	2.48	1.39	0.56	470	2.46	1.38	0.56	486	2.42	1.36	0.56	508	2.38	1.33	0.56	543	2.32	1.30	0.56	568	2.26	1.26	0.56	590	2.07	1.16	0.56	627	1.71	0.96	0.56	651
22	20	2.67	1.18	0.44	479	2.65	1.16	0.44	484	2.62	1.15	0.44	488	2.59	1.14	0.44	492	2.56	1.13	0.44	494	2.53	1.11	0.44	510	2.50	1.10	0.44	532	2.45	1.08	0.44	566	2.40	1.05	0.44	592	2.33	1.02	0.44	613	2.13	0.94	0.44	651	1.76	0.77	0.44	675
22	22	2.72	0.87	0.32	495	2.69	0.86	0.32	500	2.66	0.85	0.32	504	2.63	0.84	0.32	508	2.60	0.83	0.32	510	2.57	0.82	0.32	526	2.54	0.81	0.32	548	2.49	0.80	0.32	583	2.44	0.78	0.32	608	2.37	0.76	0.32	630	2.17	0.69	0.32	667	1.79	0.57	0.32	691
23	18	2.65	1.59	0.60	460	2.62	1.57	0.60	464	2.59	1.56	0.60	469	2.56	1.54	0.60	473	2.53	1.52	0.60	475	2.51	1.50	0.60	491	2.47	1.48	0.60	513	2.43	1.46	0.60	548	2.37	1.42	0.60	574	2.30	1.38	0.60	596	2.11	1.27	0.60	633	1.74	1.05	0.60	658
23	20	2.73	1.31	0.48	484	2.70	1.30	0.48	488	2.67	1.28	0.48	493	2.64	1.27	0.48	497	2.61	1.25	0.48	499	2.58	1.24	0.48	515	2.55	1.22	0.48	537	2.50	1.20	0.48	572	2.44	1.17	0.48	598	2.37	1.14	0.48	620	2.18	1.05	0.48	657	1.80	0.86	0.48	682
23	22	2.78	1.00	0.36	501	2.75	0.99	0.36	505	2.72	0.98	0.36	509	2.68	0.97	0.36	513	2.66	0.96	0.36	515	2.63	0.95	0.36	531	2.59	0.93	0.36	553	2.55	0.92	0.36	588	2.49	0.89	0.36	614	2.41	0.87	0.36	636	2.22	0.80	0.36	673	1.83	0.66	0.36	698
24	18	2.70	1.73	0.64	465	2.68	1.71	0.64	469	2.65	1.69	0.64	473	2.61	1.67	0.64	477	2.59	1.66	0.64	480	2.56	1.64	0.64	496	2.52	1.61	0.64	518	2.48	1.59	0.64	554	2.42	1.55	0.64	580	2.35	1.50	0.64	602	2.16	1.38	0.64	639	1.78	1.14	0.64	664
24	20	2.78	1.45	0.52	489	2.76	1.43	0.52	493	2.73	1.42	0.52	498	2.69	1.40	0.52	502	2.67	1.39	0.52	504	2.64	1.37	0.52	520	2.60	1.35	0.52	542	2.55	1.33	0.52	578	2.49	1.30	0.52	604	2.42	1.26	0.52	626	2.22	1.16	0.52	664	1.83	0.95	0.52	688
24	22	2.83	1.13	0.40	506	2.80	1.12	0.40	510	2.77	1.11	0.40	514	2.74	1.10	0.40	518	2.71	1.08	0.40	521	2.68	1.07	0.40	537	2.64	1.06	0.40	559	2.60	1.04	0.40	594	2.54	1.01	0.40	620	2.46	0.99	0.40	642	2.26	0.90	0.40	680	1.87	0.75	0.40	705
24	24	2.87	0.80	0.28	525	2.84	0.80	0.28	529	2.81	0.79	0.28	534	2.78	0.78	0.28	538	2.75	0.77	0.28	540	2.72	0.76	0.28	556	2.68	0.75	0.28	578	2.63	0.74	0.28	614	2.57	0.72	0.28	640	2.50	0.70	0.28	662	2.29	0.64	0.28	700	1.89	0.53	0.28	724
25	18	2.79	1.89	0.68	470	2.76	1.88	0.68	474	2.73	1.85	0.68	478	2.69	1.83	0.68	482	2.67	1.81	0.68	485	2.64	1.79	0.68	501	2.60	1.77	0.68	523	2.55	1.74	0.68	559	2.49	1.70	0.68	585	2.42	1.65	0.68	608	2.22	1.51	0.68	646	1.83	1.25	0.68	671
25	20	2.87	1.61	0.56	494	2.84	1.59	0.56	498	2.81	1.57	0.56	503	2.78	1.55	0.56	507	2.75	1.54	0.56	509	2.72	1.52	0.56	526	2.68	1.50	0.56	548	2.63	1.47	0.56	584	2.57	1.44	0.56	610	2.50	1.40	0.56	632	2.29	1.28	0.56	670	1.89	1.06	0.56	695
25	22	2.92	1.28	0.44	511	2.89	1.27	0.44	515	2.86	1.26	0.44	519	2.82	1.24	0.44	523	2.79	1.23	0.44	526	2.76	1.22	0.44	542	2.73	1.20	0.44	565	2.68	1.18	0.44	600	2.61	1.15	0.44	627	2.54	1.12	0.44	649	2.33	1.03	0.44	687	1.92	0.85	0.44	712
25	24	2.96	0.95	0.32	530	2.93	0.94	0.32	535	2.90	0.93	0.32	539	2.86	0.92	0.32	543	2.83	0.91	0.32	545	2.80	0.90	0.32	562	2.76	0.88	0.32	584	2.72	0.87	0.32	620	2.65	0.85	0.32	646	2.36	0.76	0.32	707	1.95	0.62	0.32	732				
26	18	2.87	2.07	0.72	474	2.84	2.05	0.72	479	2.81	2.02	0.72	483	2.78	2.00	0.72	487	2.75	1.98	0.72	490	2.72	1.96	0.72	506	2.68	1.93	0.72	529	2.63	1.90	0.72	565	2.57	1.85	0.72	591	2.50	1.80	0.72	614	2.29	1.65	0.72	652	1.89	1.36	0.72	678
26	20	2.96	1.78	0.60	499	2.93	1.76	0.60	503	2.90	1.74	0.60	508	2.86	1.72	0.60	512	2.83	1.70	0.60	514	2.80	1.68	0.60	531	2.76	1.66	0.60	553	2.71	1.63	0.60	590	2.65	1.59	0.60	616	2.57	1.54	0.60	639	2.36	1.42	0.60	677	1.95	1.17	0.60	702
26	22	3.01	1.44	0.48	516	2.98	1.43	0.48	520	2.95	1.41	0.48	525	2.91	1.40	0.48	529	2.88	1.38	0.48	531	2.85	1.37	0.48	548	2.81	1.35	0.48	570	2.76	1.33	0.48	606	2.70	1.29	0.48	633	2.62	1.26	0.48	655	2.40	1.15	0.48	694	1.98	0.95	0.48	719
26	24	3.05	1.10	0.36	536	3.02	1.09	0.36	540	2.99	1.08	0.36	544	2.95	1.06	0.36	548	2.92	1.05	0.36	551	2.89	1.04	0.36	567	2.85	1.03	0.36	590	2.80	1.01	0.36	626	2.73	0.98	0.36	675	2.44	0.88	0.36	714	2.01	0.72	0.36	739				
26	26	3.10	0.74	0.24	558	3.07	0.74	0.24	563	3.04	0.73	0.24	567	3.00	0.72	0.24	571	2.97	0.71	0.24	574	2.94	0.70	0.24	590	2.90	0.69	0.24	613	2.84	0.68	0.24	649	2.78	0.67	0.24	675	2.70	0.65	0.24	698	2.48	0.59	0.24	737	2.04	0.49	0.24	762
27	18	2.93	2.23	0.76	479	2.90	2.20	0.76	483	2.87	2.18	0.76	488	2.83	2.15	0.76	492	2.80	2.13	0.76	494	2.77	2.11	0.76	511	2.74	2.08	0.76	534	2.69	2.04	0.76	571	2.62	1.99	0.76	597	2.55	1.94	0.76	620	2.34	1.78	0.76	659	1.93	1.47	0.76	684
27	19	2.99	2.09	0.70	489	2.96	2.07	0.70	493	2.93	2.05	0.70	498	2.89	2.02	0.70	502	2.86	2.00	0.70	504	2.83	1.98	0.70	521	2.79	1.95	0.70	544	2.74	1.92	0.70	581	2.68	1.87	0.70	607	2.60	1.82	0.70	630	2.39	1.67	0.70	669	1.97	1.38	0.70	694
27	20	3.02	1.93	0.64	504	2.99	1.91	0.64	508	2.96	1.89	0.64	513	2.92	1.87	0.64	517	2.89	1.85	0.64	519	2.86	1.83	0.64	536	2.82	1.80	0.64	559	2.77	1.77	0.64	596	2.70	1.73	0.64	622	2.63	1.68	0.64	645	2.41	1.54	0.64	684	1.99	1.27	0.64	709
27	22	3.07	1.60	0.52	521	3.04	1.58	0.52	525	3.01	1.56	0.52	530	2.97	1.54	0.52	534	2.94	1.53	0.52	536	2.91	1.51	0.52	553	2.87	1.49	0.52	576	2.82	1.46	0.52	613	2.75	1.43	0.52	639	2.67	1.39	0.52	662	2.45	1.27	0.52	701	2.02	1.05	0.52	726
27	24	3.11	1.25	0.40	541	3.08	1.23	0.40	545	3.05	1.22	0.40	550	3.01	1.20	0.40	554	2.98	1.19	0.40	556	2.95	1.18	0.40	573	2.91	1.16	0.40	596	2.86	1.14	0.40	633	2.79	1.12	0.40	659	2.71	1.08	0.40	682	2.49	0.99	0					

4. CAPACITIES AND SELECTION DATA

AKT-12UR4RK8 & AUW-12U4RS8

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AKT-12UR4RK8 & AUW-12U4RS8																																																	
CAPACITY: 3.50 kW SHF: 0.70 INPUT: 950 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	3.39	1.76	0.52	685	3.35	1.74	0.52	691	3.32	1.73	0.52	698	3.28	1.70	0.52	703	3.24	1.69	0.52	707	3.21	1.67	0.52	730	3.16	1.65	0.52	763	3.11	1.62	0.52	815	3.03	1.58	0.52	853	2.95	1.53	0.52	885	2.70	1.41	0.52	940	2.23	1.16	0.52	977
21	20	3.53	1.41	0.40	708	3.49	1.40	0.40	715	3.45	1.38	0.40	721	3.41	1.36	0.40	727	3.38	1.35	0.40	730	3.34	1.34	0.40	754	3.29	1.32	0.40	786	3.24	1.29	0.40	838	3.16	1.26	0.40	876	3.07	1.23	0.40	909	2.82	1.13	0.40	964	2.32	0.93	0.40	1000
22	18	3.49	1.96	0.56	692	3.46	1.94	0.56	698	3.42	1.92	0.56	705	3.38	1.89	0.56	710	3.34	1.87	0.56	714	3.31	1.85	0.56	738	3.26	1.83	0.56	771	3.20	1.79	0.56	823	3.13	1.75	0.56	861	3.04	1.70	0.56	894	2.79	1.56	0.56	950	2.30	1.29	0.56	986
22	20	3.60	1.58	0.44	716	3.56	1.57	0.44	722	3.53	1.55	0.44	728	3.48	1.53	0.44	734	3.45	1.52	0.44	738	3.41	1.50	0.44	762	3.36	1.48	0.44	794	3.30	1.45	0.44	847	3.22	1.42	0.44	885	3.13	1.38	0.44	918	2.87	1.26	0.44	974	2.37	1.04	0.44	1010
22	22	3.66	1.17	0.32	732	3.62	1.16	0.32	738	3.59	1.15	0.32	745	3.54	1.13	0.32	750	3.50	1.12	0.32	754	3.47	1.11	0.32	778	3.42	1.09	0.32	811	3.36	1.07	0.32	863	3.28	1.05	0.32	901	3.18	1.02	0.32	934	2.92	0.94	0.32	990	2.41	0.77	0.32	1026
23	18	3.56	2.14	0.60	699	3.53	2.12	0.60	705	3.49	2.09	0.60	712	3.45	2.07	0.60	718	3.41	2.05	0.60	721	3.37	2.02	0.60	745	3.33	2.00	0.60	778	3.27	1.96	0.60	831	3.19	1.92	0.60	870	3.10	1.86	0.60	903	2.85	1.71	0.60	960	2.35	1.41	0.60	996
23	20	3.67	1.76	0.48	723	3.64	1.75	0.48	729	3.60	1.73	0.48	736	3.55	1.70	0.48	742	3.52	1.69	0.48	745	3.48	1.67	0.48	769	3.43	1.65	0.48	802	3.37	1.62	0.48	855	3.29	1.58	0.48	894	3.19	1.53	0.48	927	2.93	1.41	0.48	984	2.42	1.16	0.48	1020
23	22	3.74	1.34	0.36	739	3.70	1.33	0.36	746	3.66	1.32	0.36	752	3.61	1.30	0.36	758	3.58	1.29	0.36	762	3.54	1.27	0.36	786	3.49	1.26	0.36	819	3.43	1.23	0.36	872	3.35	1.20	0.36	910	3.25	1.17	0.36	943	2.98	1.07	0.36	1000				
24	18	3.64	2.33	0.64	706	3.60	2.30	0.64	712	3.56	2.28	0.64	719	3.52	2.25	0.64	725	3.48	2.23	0.64	728	3.44	2.20	0.64	753	3.40	2.17	0.64	786	3.34	2.13	0.64	840	3.26	2.08	0.64	879	3.16	2.02	0.64	912	2.90	1.86	0.64	969	2.40	1.53	0.64	1006
24	20	3.75	1.95	0.52	730	3.71	1.93	0.52	737	3.67	1.91	0.52	743	3.62	1.88	0.52	749	3.59	1.87	0.52	753	3.55	1.85	0.52	777	3.50	1.82	0.52	811	3.44	1.79	0.52	864	3.36	1.75	0.52	903	3.26	1.69	0.52	936	2.99	1.56	0.52	993	2.47	1.28	0.52	1031
24	22	3.81	1.52	0.40	747	3.77	1.51	0.40	753	3.73	1.49	0.40	760	3.69	1.47	0.40	766	3.65	1.46	0.40	769	3.61	1.44	0.40	794	3.56	1.42	0.40	827	3.50	1.40	0.40	881	3.41	1.37	0.40	920	3.31	1.33	0.40	953	3.04	1.22	0.40	1010				
24	24	3.87	1.08	0.28	766	3.83	1.07	0.28	772	3.79	1.06	0.28	779	3.74	1.05	0.28	785	3.70	1.04	0.28	789	3.66	1.02	0.28	813	3.61	1.01	0.28	846	3.55	0.99	0.28	900	3.46	0.97	0.28	939	3.36	0.94	0.28	972	3.09	0.86	0.28	1029				
25	18	3.75	2.55	0.68	713	3.71	2.52	0.68	720	3.67	2.50	0.68	726	3.62	2.46	0.68	732	3.59	2.44	0.68	736	3.55	2.41	0.68	760	3.50	2.38	0.68	794	3.44	2.34	0.68	848	3.36	2.28	0.68	888	3.26	2.22	0.68	921	2.99	2.04	0.68	979	2.47	1.68	0.68	1017
25	20	3.86	2.16	0.56	737	3.83	2.14	0.56	744	3.78	2.12	0.56	751	3.74	2.09	0.56	757	3.70	2.07	0.56	760	3.66	2.05	0.56	785	3.61	2.02	0.56	819	3.54	1.98	0.56	873	3.46	1.94	0.56	912	3.36	1.88	0.56	946	3.08	1.73	0.56	1004				
25	22	3.93	1.73	0.44	754	3.89	1.71	0.44	761	3.85	1.69	0.44	767	3.80	1.67	0.44	773	3.76	1.66	0.44	777	3.72	1.64	0.44	802	3.67	1.61	0.44	835	3.60	1.59	0.44	889	3.52	1.55	0.44	929	3.42	1.50	0.44	962	3.14	1.38	0.44	1020				
25	24	3.98	1.28	0.32	774	3.95	1.26	0.32	780	3.90	1.25	0.32	787	3.85	1.23	0.32	793	3.81	1.22	0.32	797	3.77	1.21	0.32	821	3.72	1.19	0.32	855	3.65	1.17	0.32	909	3.57	1.14	0.32	949	3.47	1.11	0.32	982	3.18	1.02	0.32	1040				
26	18	3.87	2.78	0.72	720	3.83	2.76	0.72	727	3.79	2.73	0.72	733	3.74	2.69	0.72	739	3.70	2.66	0.72	743	3.66	2.63	0.72	768	3.61	2.60	0.72	802	3.55	2.55	0.72	857	3.46	2.49	0.72	897	3.36	2.42	0.72	931	3.09	2.22	0.72	989				
26	20	3.98	2.39	0.60	745	3.94	2.37	0.60	752	3.90	2.34	0.60	758	3.85	2.31	0.60	764	3.81	2.29	0.60	768	3.77	2.26	0.60	793	3.72	2.23	0.60	827	3.65	2.19	0.60	882	3.57	2.14	0.60	921	3.46	2.08	0.60	955	3.18	1.91	0.60	1014				
26	22	4.05	1.94	0.48	762	4.01	1.93	0.48	768	3.97	1.90	0.48	775	3.92	1.88	0.48	781	3.88	1.86	0.48	785	3.84	1.84	0.48	810	3.78	1.82	0.48	844	3.72	1.78	0.48	898	3.63	1.74	0.48	938	3.52	1.69	0.48	972	3.23	1.55	0.48	1030				
26	24	4.11	1.48	0.36	782	4.07	1.46	0.36	788	4.02	1.45	0.36	795	3.97	1.43	0.36	801	3.93	1.42	0.36	805	3.89	1.40	0.36	830	3.84	1.38	0.36	864	3.77	1.36	0.36	918	3.68	1.32	0.36	958	3.57	1.29	0.36	992	3.28	1.18	0.36	1050				
26	26	4.17	1.00	0.24	804	4.13	0.99	0.24	811	4.09	0.98	0.24	818	4.04	0.97	0.24	824	4.00	0.96	0.24	827	3.95	0.95	0.24	852	3.90	0.94	0.24	886	3.83	0.92	0.24	941	3.74	0.90	0.24	981	3.63	0.87	0.24	1015								
27	18	3.94	3.00	0.76	727	3.91	2.97	0.76	734	3.86	2.94	0.76	741	3.81	2.90	0.76	747	3.78	2.87	0.76	751	3.73	2.84	0.76	776	3.68	2.80	0.76	810	3.62	2.75	0.76	866	3.53	2.69	0.76	906	3.43	2.61	0.76	940	3.15	2.39	0.76	999				
27	19	4.02	2.82	0.70	737	3.98	2.79	0.70	744	3.94	2.76	0.70	751	3.89	2.72	0.70	757	3.85	2.70	0.70	761	3.81	2.67	0.70	786	3.76	2.63	0.70	820	3.69	2.58	0.70	876	3.61	2.52	0.70	916	3.50	2.45	0.70	950								
27	20	4.07	2.60	0.64	752	4.02	2.58	0.64	759	3.98	2.55	0.64	766	3.93	2.52	0.64	772	3.89	2.49	0.64	776	3.85	2.46	0.64	801	3.80	2.43	0.64	835	3.73	2.39	0.64	891	3.64	2.33	0.64	931	3.54	2.26	0.64	965								
27	22	4.13	2.15	0.52	769	4.09	2.13	0.52	776	4.05	2.11	0.52	783	4.00	2.08	0.52	789	3.96	2.06	0.52	793	3.91	2.04	0.52	818	3.86	2.01	0.52	852	3.79	1.97	0.52	906	3.70	1.93	0.52	948	3.60	1.87	0.52	982								
27	24	4.19	1.68	0.40	789	4.15	1.66	0.40	796	4.11	1.64	0.40	803	4.05	1.62	0.40	809	4.01	1.61	0.40	813	3.97	1.59	0.40	838	3.91	1.57	0.40	872	3.84	1.54	0.40	928	3.75	1.50	0.40	968	3.65	1.46	0.40	1002								
27	26	4.26	1.19	0.28	812	4.22	1.18	0.28	819	4.17	1.17	0.28	826	4.12	1.15	0.28	832	4.08	1.14	0.28	836	4.03	1.13	0.28	861	3.98	1.11	0.28	895	3.91	1.09	0.28	951	3.81	1.07	0.28	991	3.70	1.04	0.28	1025								
28	18	3.98	3.19	0.80	735	3.94	3.16	0.80	741	3.90	3.12	0.80	748	3.85	3.08	0.80</																																	

4. CAPACITIES AND SELECTION DATA

Super Inverter type

Duct type

ADT-18UX4RCL8 & AUW-18U4RS7

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
ADT-18UX4RCL8 & AUW-18U4RS7																																																	
CAPACITY: 5.00 kW SHF: 0.70 INPUT: 1430 W																																																	
INDOOR DB(°C)		INDOOR WB(°C)		OUTDOOR DB (°C)																																													
				-15				-5				0				5				10				15				20				25				30				35				40				45	
Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT		
21	18	4.84	2.52	0.52	1036	4.79	2.49	0.52	1045	4.74	2.46	0.52	1055	4.68	2.43	0.52	1063	4.63	2.41	0.52	1069	4.58	2.38	0.52	1104	4.52	2.35	0.52	1153	4.44	2.31	0.52	1231	4.34	2.25	0.52	1288	4.21	2.19	0.52	1337	3.86	2.01	0.52	1420	3.19	1.66	0.52	1475
21	20	5.04	2.02	0.40	1059	4.99	2.00	0.40	1069	4.94	1.97	0.40	1078	4.87	1.95	0.40	1087	4.82	1.93	0.40	1092	4.77	1.91	0.40	1128	4.71	1.88	0.40	1177	4.62	1.85	0.40	1255	4.51	1.81	0.40	1312	4.38	1.75	0.40	1360	4.02	1.61	0.40	1444	3.32	1.33	0.40	1498
22	18	4.99	2.79	0.56	1046	4.94	2.77	0.56	1056	4.89	2.74	0.56	1065	4.82	2.70	0.56	1074	4.78	2.67	0.56	1079	4.72	2.65	0.56	1115	4.66	2.61	0.56	1165	4.58	2.56	0.56	1244	4.47	2.50	0.56	1301	4.34	2.43	0.56	1350	3.98	2.23	0.56	1435	3.29	1.84	0.56	1490
22	20	5.14	2.26	0.44	1070	5.09	2.24	0.44	1079	5.04	2.22	0.44	1089	4.97	2.19	0.44	1098	4.92	2.17	0.44	1103	4.87	2.14	0.44	1139	4.80	2.11	0.44	1189	4.72	2.08	0.44	1268	4.61	2.03	0.44	1325	4.47	1.97	0.44	1374	4.11	1.81	0.44	1458	3.39	1.49	0.44	1513
22	22	5.23	1.67	0.32	1086	5.18	1.66	0.32	1096	5.12	1.64	0.32	1105	5.06	1.62	0.32	1114	5.01	1.60	0.32	1119	4.95	1.58	0.32	1155	4.88	1.56	0.32	1205	4.80	1.54	0.32	1284	4.68	1.50	0.32	1341	4.55	1.46	0.32	1390	4.18	1.34	0.32	1475	3.44	1.10	0.32	1530
23	18	5.09	3.06	0.60	1057	5.04	3.02	0.60	1066	4.99	2.99	0.60	1076	4.92	2.95	0.60	1085	4.87	2.92	0.60	1090	4.82	2.89	0.60	1127	4.75	2.85	0.60	1177	4.67	2.80	0.60	1256	4.56	2.74	0.60	1315	4.43	2.66	0.60	1364	4.06	2.44	0.60	1449	3.35	2.01	0.60	1505
23	20	5.25	2.52	0.48	1081	5.20	2.49	0.48	1090	5.14	2.47	0.48	1100	5.07	2.44	0.48	1109	5.02	2.41	0.48	1114	4.97	2.38	0.48	1151	4.90	2.35	0.48	1201	4.81	2.31	0.48	1280	4.70	2.26	0.48	1339	4.56	2.19	0.48	1388	4.19	2.01	0.48	1473	3.46	1.66	0.48	1529
23	22	5.34	1.92	0.36	1097	5.28	1.90	0.36	1107	5.23	1.88	0.36	1116	5.16	1.86	0.36	1125	5.11	1.84	0.36	1131	5.05	1.82	0.36	1167	4.98	1.79	0.36	1217	4.89	1.76	0.36	1297	4.78	1.72	0.36	1355	4.64	1.67	0.36	1404	4.26	1.53	0.36	1490	3.51	1.27	0.36	1545
24	18	5.20	3.33	0.64	1067	5.14	3.29	0.64	1077	5.09	3.26	0.64	1087	5.02	3.21	0.64	1096	4.97	3.18	0.64	1101	4.92	3.15	0.64	1138	4.85	3.10	0.64	1188	4.77	3.05	0.64	1269	4.65	2.98	0.64	1328	4.52	2.89	0.64	1378	4.15	2.65	0.64	1464	3.42	2.19	0.64	1520
24	20	5.35	2.78	0.52	1092	5.30	2.76	0.52	1101	5.24	2.73	0.52	1111	5.18	2.69	0.52	1120	5.13	2.67	0.52	1126	5.07	2.64	0.52	1162	5.00	2.60	0.52	1213	4.91	2.55	0.52	1293	4.80	2.49	0.52	1352	4.66	2.42	0.52	1402	4.27	2.22	0.52	1488	3.53	1.83	0.52	1544
24	22	5.45	2.18	0.40	1108	5.39	2.16	0.40	1118	5.33	2.13	0.40	1128	5.26	2.11	0.40	1137	5.21	2.09	0.40	1142	5.16	2.06	0.40	1179	5.08	2.03	0.40	1229	4.99	2.00	0.40	1310	4.88	1.95	0.40	1369	4.74	1.89	0.40	1419	4.35	1.74	0.40	1505	3.59	1.43	0.40	1561
24	24	5.52	1.55	0.28	1128	5.47	1.53	0.28	1137	5.41	1.51	0.28	1147	5.34	1.49	0.28	1156	5.29	1.48	0.28	1162	5.23	1.46	0.28	1198	5.16	1.44	0.28	1249	5.06	1.42	0.28	1329	4.95	1.38	0.28	1388	4.80	1.34	0.28	1438	4.41	1.23	0.28	1524	3.64	1.02	0.28	1580
25	18	5.36	3.64	0.68	1078	5.30	3.61	0.68	1088	5.25	3.57	0.68	1098	5.18	3.52	0.68	1107	5.13	3.49	0.68	1113	5.07	3.45	0.68	1150	5.00	3.40	0.68	1200	4.91	3.34	0.68	1282	4.80	3.26	0.68	1341	4.66	3.17	0.68	1392	4.28	2.91	0.68	1479	3.53	2.40	0.68	1535
25	20	5.52	3.09	0.56	1103	5.47	3.06	0.56	1113	5.41	3.03	0.56	1122	5.34	2.99	0.56	1131	5.28	2.96	0.56	1137	5.23	2.93	0.56	1174	5.15	2.89	0.56	1225	5.06	2.84	0.56	1306	4.94	2.77	0.56	1366	4.80	2.69	0.56	1416	4.41	2.47	0.56	1503	3.64	2.04	0.56	1560
25	22	5.61	2.47	0.44	1119	5.56	2.45	0.44	1129	5.50	2.42	0.44	1139	5.43	2.39	0.44	1148	5.37	2.36	0.44	1154	5.32	2.34	0.44	1191	5.24	2.31	0.44	1242	5.15	2.27	0.44	1323	5.03	2.21	0.44	1382	4.88	2.15	0.44	1433	4.48	1.97	0.44	1520	3.70	1.63	0.44	1576
25	24	5.69	1.82	0.32	1139	5.64	1.80	0.32	1149	5.58	1.78	0.32	1159	5.50	1.76	0.32	1168	5.45	1.74	0.32	1173	5.39	1.72	0.32	1210	5.32	1.70	0.32	1261	5.22	1.67	0.32	1342	5.10	1.63	0.32	1402	4.95	1.58	0.32	1453	4.54	1.45	0.32	1539	3.75	1.20	0.32	1596
26	18	5.52	3.98	0.72	1089	5.47	3.94	0.72	1099	5.41	3.89	0.72	1109	5.34	3.84	0.72	1118	5.29	3.81	0.72	1124	5.23	3.76	0.72	1161	5.16	3.71	0.72	1213	5.06	3.65	0.72	1295	4.95	3.56	0.72	1355	4.80	3.46	0.72	1406	4.41	3.17	0.72	1494	3.64	2.62	0.72	1551
26	20	5.69	3.41	0.60	1114	5.63	3.38	0.60	1124	5.57	3.34	0.60	1134	5.50	3.30	0.60	1144	5.45	3.27	0.60	1149	5.39	3.23	0.60	1186	5.31	3.19	0.60	1237	5.22	3.13	0.60	1320	5.10	3.06	0.60	1380	4.95	2.97	0.60	1431	4.54	2.73	0.60	1518	3.75	2.25	0.60	1575
26	22	5.79	2.78	0.48	1131	5.73	2.75	0.48	1141	5.67	2.72	0.48	1151	5.60	2.69	0.48	1160	5.54	2.66	0.48	1165	5.48	2.63	0.48	1203	5.40	2.59	0.48	1254	5.31	2.55	0.48	1336	5.18	2.49	0.48	1396	5.03	2.42	0.48	1447	4.62	2.22	0.48	1535	3.81	1.83	0.48	1592
26	24	5.87	2.11	0.36	1150	5.81	2.09	0.36	1160	5.75	2.07	0.36	1170	5.67	2.04	0.36	1179	5.62	2.02	0.36	1185	5.56	2.00	0.36	1223	5.48	1.97	0.36	1274	5.38	1.94	0.36	1356	5.26	1.89	0.36	1416	5.10	1.84	0.36	1467	4.69	1.69	0.36	1555	3.87	1.39	0.36	1612
26	26	5.96	1.43	0.24	1173	5.90	1.42	0.24	1183	5.84	1.40	0.24	1193	5.76	1.38	0.24	1202	5.71	1.37	0.24	1208	5.65	1.35	0.24	1245	5.57	1.34	0.24	1297	5.47	1.31	0.24	1379	5.34	1.28	0.24	1439	5.19	1.24	0.24	1490	4.76	1.14	0.24	1578	3.93	0.94	0.24	1635
27	18	5.63	4.28	0.76	1100	5.58	4.24	0.76	1110	5.52	4.19	0.76	1120	5.45	4.14	0.76	1130	5.39	4.10	0.76	1135	5.33	4.05	0.76	1173	5.26	4.00	0.76	1225	5.17	3.93	0.76	1308	5.05	3.84	0.76	1369	4.90	3.72	0.76	1420	4.50	3.42	0.76	1509	3.71	2.82	0.76	1566
27	19	5.75	4.02	0.70	1110	5.69	3.98	0.70	1120	5.63	3.94	0.70	1130	5.56	3.89	0.70	1139	5.50	3.85	0.70	1145	5.44	3.81	0.70	1183	5.37	3.76	0.70	1235	5.27	3.69	0.70	1318	5.15	3.61	0.70	1379	5.00	3.50	0.70	1430	4.59	3.21	0.70	1519	3.79	2.65	0.70	1576
27	20	5.81	3.72	0.64	1125	5.75	3.68	0.64	1135	5.69	3.64	0.64	1145	5.61	3.59	0.64	1154	5.56	3.56	0.64	1160	5.50	3.52	0.64	1198	5.42	3.47	0.64	1250	5.33	3.41	0.64	1333	5.20	3.33	0.64	1394	5.04	3.23	0.64	1445	4.64	2.97	0.64	1534	3.82	2.45	0.64	1591
27	22	5.91	3.07	0.52	1142	5.85	3.04	0.52	1152	5.78	3.01	0.52	1162	5.71	2.97	0.52	1171	5.65	2.94	0.52	1177	5.59	2.91	0.52	1215	5.51	2.87	0.52	1267	5.42	2.82	0.52	1350	5.29	2.75	0.52	1411	5.14	2.67	0.52	1462	4.71	2.45	0.52	1551	3.89	2.02	0.52	1608
27	24	5.99																																															

4. CAPACITIES AND SELECTION DATA

ADT-24UX4RCL8 & AUW-24U4RJ7

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
ADT-24UX4RCL8 & AUW-24U4RJ7																																																	
CAPACITY: 7.0 kW SHF: 0.75 INPUT: 2260 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT		
21	18	6.78	3.86	0.57	1642	6.71	3.82	0.57	1657	6.64	3.78	0.57	1672	6.55	3.73	0.57	1686	6.49	3.70	0.57	1694	6.42	3.66	0.57	1751	6.33	3.61	0.57	1828	6.22	3.54	0.57	1951	6.07	3.46	0.57	2042	5.89	3.36	0.57	2118	5.41	3.08	0.57	2250	4.46	2.54	0.57	2336
21	20	7.06	3.18	0.45	1666	6.99	3.14	0.45	1681	6.91	3.11	0.45	1696	6.82	3.07	0.45	1709	6.75	3.04	0.45	1718	6.68	3.01	0.45	1774	6.59	2.96	0.45	1851	6.47	2.91	0.45	1975	6.32	2.84	0.45	2065	6.14	2.76	0.45	2142	5.63	2.53	0.45	2274	4.65	2.09	0.45	2360
22	18	6.99	4.26	0.61	1659	6.92	4.22	0.61	1674	6.84	4.17	0.61	1689	6.75	4.12	0.61	1703	6.69	4.08	0.61	1712	6.62	3.98	0.61	1768	6.52	3.98	0.61	1846	6.41	3.91	0.61	1971	6.26	3.82	0.61	2062	6.07	3.71	0.61	2140	5.58	3.40	0.61	2273	4.60	2.81	0.61	2360
22	20	7.20	3.53	0.49	1683	7.13	3.49	0.49	1698	7.05	3.45	0.49	1713	6.96	3.41	0.49	1727	6.89	3.38	0.49	1735	6.82	3.34	0.49	1792	6.72	3.29	0.49	1870	6.60	3.24	0.49	1995	6.45	3.16	0.49	2086	6.26	3.07	0.49	2164	5.75	2.82	0.49	2297	4.74	2.32	0.49	2383
22	22	7.32	2.71	0.37	1699	7.25	2.68	0.37	1714	7.17	2.65	0.37	1729	7.08	2.62	0.37	1743	7.01	2.59	0.37	1752	6.93	2.56	0.37	1808	6.84	2.53	0.37	1886	6.72	2.48	0.37	2011	6.56	2.43	0.37	2102	6.37	2.36	0.37	2180	5.85	2.16	0.37	2313	4.82	1.78	0.37	2400
23	18	7.13	4.63	0.65	1676	7.06	4.59	0.65	1691	6.98	4.54	0.65	1706	6.89	4.48	0.65	1720	6.82	4.44	0.65	1729	6.75	4.39	0.65	1786	6.66	4.33	0.65	1865	6.54	4.25	0.65	1991	6.38	4.15	0.65	2083	6.20	4.03	0.65	2161	5.69	3.70	0.65	2296	4.69	3.05	0.65	2384
23	20	7.35	3.89	0.53	1700	7.27	3.86	0.53	1715	7.19	3.81	0.53	1730	7.10	3.76	0.53	1744	7.03	3.73	0.53	1753	6.96	3.69	0.53	1810	6.86	3.64	0.53	1889	6.74	3.57	0.53	2015	6.58	3.49	0.53	2107	6.39	3.39	0.53	2185	5.86	3.11	0.53	2320	4.84	2.56	0.53	2408
23	22	7.47	3.06	0.41	1716	7.40	3.03	0.41	1731	7.32	3.00	0.41	1747	7.22	2.96	0.41	1761	7.15	2.93	0.41	1769	7.07	2.90	0.41	1827	6.98	2.86	0.41	1905	6.85	2.81	0.41	2031	6.69	2.74	0.41	2124	6.50	2.66	0.41	2202	5.96	2.45	0.41	2336	4.92	2.02	0.41	2424
24	18	7.27	5.02	0.69	1693	7.20	4.97	0.69	1708	7.12	4.92	0.69	1724	7.03	4.85	0.69	1738	6.96	4.80	0.69	1746	6.89	4.75	0.69	1804	6.79	4.69	0.69	1884	6.67	4.60	0.69	2011	6.52	4.50	0.69	2104	6.33	4.36	0.69	2183	5.81	4.01	0.69	2319	4.79	3.31	0.69	2408
24	20	7.50	4.27	0.57	1717	7.42	4.23	0.57	1732	7.34	4.18	0.57	1748	7.25	4.13	0.57	1762	7.18	4.09	0.57	1771	7.10	4.05	0.57	1829	7.00	3.99	0.57	1908	6.88	3.92	0.57	2035	6.71	3.83	0.57	2128	6.52	3.72	0.57	2207	5.98	3.41	0.57	2343	4.94	2.81	0.57	2432
24	22	7.62	3.43	0.45	1733	7.55	3.40	0.45	1749	7.47	3.36	0.45	1764	7.37	3.32	0.45	1778	7.30	3.28	0.45	1787	7.22	3.25	0.45	1845	7.12	3.20	0.45	1925	6.99	3.15	0.45	2052	6.83	3.07	0.45	2145	6.63	2.98	0.45	2224	6.09	2.74	0.45	2360	5.02	2.26	0.45	2448
24	24	7.73	2.55	0.33	1753	7.65	2.53	0.33	1768	7.57	2.50	0.33	1784	7.47	2.47	0.33	1798	7.40	2.44	0.33	1806	7.32	2.42	0.33	1865	7.22	2.38	0.33	1944	7.09	2.34	0.33	2071	6.92	2.29	0.33	2164	6.72	2.22	0.33	2243	6.17	2.04	0.33	2379	5.09	1.68	0.33	2468
25	18	7.50	5.47	0.73	1710	7.42	5.42	0.73	1725	7.34	5.36	0.73	1741	7.25	5.29	0.73	1755	7.18	5.24	0.73	1764	7.10	5.18	0.73	1823	7.00	5.11	0.73	1903	6.88	5.02	0.73	2032	6.72	4.90	0.73	2125	6.52	4.76	0.73	2205	5.99	4.37	0.73	2343	4.94	3.61	0.73	2432
25	20	7.73	4.71	0.61	1734	7.65	4.67	0.61	1750	7.57	4.62	0.61	1765	7.47	4.56	0.61	1780	7.40	4.51	0.61	1788	7.32	4.46	0.61	1847	7.22	4.40	0.61	1927	7.09	4.32	0.61	2056	6.92	4.22	0.61	2150	6.72	4.10	0.61	2230	6.17	3.76	0.61	2367	5.09	3.10	0.61	2456
25	22	7.86	3.85	0.49	1751	7.78	3.81	0.49	1766	7.70	3.77	0.49	1782	7.60	3.72	0.49	1796	7.52	3.69	0.49	1805	7.44	3.65	0.49	1864	7.34	3.60	0.49	1944	7.21	3.53	0.49	2073	7.04	3.45	0.49	2167	6.83	3.35	0.49	2246	6.27	3.07	0.49	2384	5.18	2.54	0.49	2473
25	24	7.97	2.95	0.37	1770	7.89	2.92	0.37	1786	7.81	2.89	0.37	1802	7.70	2.85	0.37	1816	7.63	2.82	0.37	1825	7.55	2.79	0.37	1883	7.44	2.75	0.37	1964	7.31	2.70	0.37	2092	7.14	2.64	0.37	2186	6.93	2.56	0.37	2266	6.36	2.35	0.37	2403	5.25	1.94	0.37	2493
26	18	7.73	5.95	0.77	1727	7.65	5.89	0.77	1743	7.57	5.83	0.77	1759	7.47	5.75	0.77	1773	7.40	5.70	0.77	1782	7.32	5.64	0.77	1841	7.22	5.56	0.77	1922	7.09	5.46	0.77	2052	6.92	5.33	0.77	2147	6.72	5.18	0.77	2228	6.17	4.75	0.77	2366	5.09	3.92	0.77	2457
26	20	7.97	5.18	0.65	1752	7.89	5.13	0.65	1767	7.80	5.07	0.65	1783	7.70	5.01	0.65	1798	7.63	4.96	0.65	1807	7.54	4.90	0.65	1866	7.44	4.84	0.65	1947	7.31	4.75	0.65	2077	7.14	4.64	0.65	2172	6.93	4.50	0.65	2252	6.36	4.13	0.65	2391	5.25	3.41	0.65	2481
26	22	8.10	4.29	0.53	1768	8.02	4.25	0.53	1784	7.94	4.21	0.53	1800	7.83	4.15	0.53	1814	7.76	4.11	0.53	1823	7.67	4.07	0.53	1883	7.57	4.01	0.53	1964	7.43	3.94	0.53	2094	7.26	3.85	0.53	2189	7.05	3.73	0.53	2269	6.47	3.43	0.53	2408	5.34	2.83	0.53	2498
26	24	8.22	3.37	0.41	1788	8.14	3.34	0.41	1804	8.05	3.30	0.41	1820	7.94	3.26	0.41	1834	7.86	3.22	0.41	1843	7.78	3.19	0.41	1902	7.67	3.15	0.41	1984	7.54	3.09	0.41	2113	7.36	3.02	0.41	2208	7.15	2.93	0.41	2289	6.56	2.69	0.41	2428	5.41	2.22	0.41	2518
26	26	8.35	2.42	0.29	1811	8.27	2.40	0.29	1827	8.18	2.37	0.29	1843	8.07	2.34	0.29	1857	7.99	2.32	0.29	1866	7.90	2.29	0.29	1925	7.79	2.26	0.29	2006	7.66	2.22	0.29	2136	7.48	2.17	0.29	2231	7.26	2.11	0.29	2332	6.66	1.93	0.29	2450	5.50	1.59	0.29	2541
27	18	7.89	6.39	0.81	1744	7.81	6.33	0.81	1760	7.73	6.26	0.81	1776	7.63	6.18	0.81	1791	7.55	6.12	0.81	1800	7.47	6.05	0.81	1860	7.37	5.97	0.81	1942	7.24	5.86	0.81	2073	7.07	5.72	0.81	2169	6.86	5.56	0.81	2250	6.30	5.10	0.81	2390	5.20	4.21	0.81	2481
27	19	8.05	6.04	0.75	1754	7.97	5.98	0.75	1770	7.88	5.91	0.75	1786	7.78	5.84	0.75	1801	7.70	5.78	0.75	1810	7.62	5.72	0.75	1870	7.52	5.64	0.75	1952	7.38	5.54	0.75	2083	7.21	5.41	0.75	2179	7.00	5.25	0.75	2260	6.43	4.82	0.75	2401	5.30	3.98	0.75	2491
27	20	8.13	5.61	0.69	1769	8.05	5.55	0.69	1785	7.96	5.49	0.69	1801	7.86	5.42	0.69	1816	7.78	5.37	0.69	1825	7.70	5.31	0.69	1885	7.59	5.24	0.69	1967	7.46	5.15	0.69	2098	7.28	5.02	0.69	2194	7.07	4.88	0.69	2275	6.49	4.48	0.69	2415	5.35	3.69	0.69	2506
27	22	8.27	4.71	0.57	1786	8.19	4.67	0.57	1802	8.10	4.62	0.57	1818	7.99	4.56	0.57	1833	7.91	4.51	0.57	1842	7.83	4.46	0.57	1902	7.72	4.40	0.57	1984	7.58	4.32	0.57	2115	7.41	4.22	0.57	2211	7.19	4.10										

4. CAPACITIES AND SELECTION DATA

Compact Cassette type

ACT-18UR4RCC8 & AUW-18U4RS7

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
ACT-18UR4RCC8 & AUW-18U4RS7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
CAPACITY: 5.00 kW SHF: 0.70 INPUT: 1470 W																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		-15												-5												0												5								10								15								20								25								30								35								40								45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC

4. CAPACITIES AND SELECTION DATA

AUC-36UR4RKC8 & AUW-36U4RK7

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AUC-36UR4RKC8 & AUW-36U4RK7																																																	
CAPACITY: 10.00 kW SHF: 0.70 INPUT: 3100 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT				
21	18	9.68	5.03	0.52	2256	9.58	4.98	0.52	2277	9.48	4.93	0.52	2297	9.36	4.87	0.52	2316	9.27	4.82	0.52	2328	9.17	4.77	0.52	2405	9.04	4.70	0.52	2511	8.88	4.62	0.52	2680	8.67	4.51	0.52	2804	8.42	4.38	0.52	2909	7.73	4.02	0.52	3090	6.38	3.32	0.52	3208
21	20	10.08	4.03	0.40	2280	9.98	3.99	0.40	2300	9.87	3.95	0.40	2321	9.74	3.90	0.40	2340	9.65	3.86	0.40	2351	9.54	3.82	0.40	2429	9.41	3.76	0.40	2534	9.24	3.70	0.40	2704	9.03	3.61	0.40	2828	8.77	3.51	0.40	2933	8.05	3.22	0.40	3114	6.64	2.66	0.40	3231
22	18	9.98	5.59	0.56	2279	9.88	5.53	0.56	2300	9.77	5.47	0.56	2321	9.65	5.40	0.56	2339	9.55	5.35	0.56	2351	9.45	5.29	0.56	2429	9.32	5.22	0.56	2536	9.15	5.13	0.56	2707	8.94	5.01	0.56	2832	8.68	4.86	0.56	2939	7.97	4.46	0.56	3121	6.57	3.68	0.56	3240
22	20	10.29	4.53	0.44	2303	10.18	4.48	0.44	2323	10.07	4.43	0.44	2344	9.94	4.38	0.44	2363	9.85	4.33	0.44	2375	9.74	4.28	0.44	2453	9.60	4.23	0.44	2560	9.43	4.15	0.44	2731	9.21	4.05	0.44	2856	8.94	3.94	0.44	2962	8.21	3.61	0.44	3145	6.77	2.98	0.44	3264
22	22	10.46	3.35	0.32	2319	10.36	3.31	0.32	2340	10.24	3.28	0.32	2361	10.11	3.24	0.32	2379	10.01	3.20	0.32	2391	9.90	3.17	0.32	2469	9.77	3.13	0.32	2576	9.59	3.07	0.32	2747	9.37	3.00	0.32	2872	9.10	2.91	0.32	2979	8.35	2.67	0.32	3161	6.89	2.20	0.32	3280
23	18	10.18	6.11	0.60	2302	10.08	6.05	0.60	2323	9.97	5.98	0.60	2344	9.85	5.91	0.60	2363	9.75	5.85	0.60	2375	9.64	5.78	0.60	2454	9.51	5.71	0.60	2562	9.34	5.60	0.60	2735	9.12	5.47	0.60	2861	8.86	5.31	0.60	2968	8.13	4.88	0.60	3153	6.71	4.02	0.60	3273
23	20	10.50	5.04	0.48	2326	10.39	4.99	0.48	2347	10.28	4.93	0.48	2368	10.15	4.87	0.48	2387	10.05	4.82	0.48	2399	9.94	4.77	0.48	2478	9.80	4.70	0.48	2586	9.63	4.62	0.48	2759	9.40	4.51	0.48	2885	9.13	4.38	0.48	2992	8.38	4.02	0.48	3177	6.91	3.32	0.48	3297
23	22	10.67	3.84	0.36	2342	10.57	3.80	0.36	2363	10.45	3.76	0.36	2384	10.32	3.71	0.36	2403	10.22	3.68	0.36	2415	10.11	3.64	0.36	2494	9.97	3.59	0.36	2602	9.79	3.52	0.36	2775	9.56	3.44	0.36	2901	9.28	3.34	0.36	3009	8.52	3.07	0.36	3193	7.03	2.53	0.36	3313
24	18	10.39	6.65	0.64	2325	10.29	6.58	0.64	2346	10.18	6.51	0.64	2368	10.05	6.43	0.64	2387	9.95	6.37	0.64	2399	9.84	6.30	0.64	2479	9.70	6.21	0.64	2588	9.53	6.10	0.64	2762	9.31	5.96	0.64	2890	9.04	5.78	0.64	2998	8.30	5.31	0.64	3185	6.84	4.38	0.64	3306
24	20	10.71	5.57	0.52	2349	10.60	5.51	0.52	2371	10.49	5.45	0.52	2392	10.35	5.38	0.52	2411	10.25	5.33	0.52	2423	10.14	5.27	0.52	2503	10.00	5.20	0.52	2612	9.82	5.11	0.52	2787	9.59	4.99	0.52	2914	9.31	4.84	0.52	3022	8.55	4.45	0.52	3209	7.05	3.67	0.52	3330
24	22	10.89	4.36	0.40	2366	10.78	4.31	0.40	2387	10.67	4.27	0.40	2409	10.53	4.21	0.40	2428	10.43	4.17	0.40	2440	10.31	4.12	0.40	2519	10.17	4.07	0.40	2628	9.99	4.00	0.40	2803	9.76	3.90	0.40	2931	9.47	3.79	0.40	3039	8.69	3.48	0.40	3225	7.17	2.87	0.40	3347
24	24	11.04	3.09	0.28	2385	10.93	3.06	0.28	2407	10.82	3.03	0.28	2428	10.68	2.99	0.28	2447	10.57	2.96	0.28	2459	10.46	2.93	0.28	2539	10.31	2.89	0.28	2648	10.13	2.84	0.28	2823	9.89	2.77	0.28	2950	9.60	2.69	0.28	3058	8.82	2.47	0.28	3245	7.27	2.04	0.28	3366
25	18	10.71	7.28	0.68	2349	10.61	7.21	0.68	2370	10.49	7.13	0.68	2392	10.36	7.04	0.68	2411	10.25	6.97	0.68	2423	10.14	6.90	0.68	2504	10.00	6.80	0.68	2614	9.83	6.68	0.68	2790	9.60	6.52	0.68	2919	9.32	6.33	0.68	3029	8.55	5.82	0.68	3217	7.06	4.80	0.68	3339
25	20	11.04	6.18	0.56	2373	10.93	6.12	0.56	2395	10.81	6.05	0.56	2416	10.67	5.98	0.56	2436	10.57	5.92	0.56	2448	10.45	5.85	0.56	2528	10.31	5.77	0.56	2638	10.13	5.67	0.56	2815	9.89	5.54	0.56	2944	9.60	5.38	0.56	3053	8.81	4.94	0.56	3241	7.27	4.07	0.56	3364
25	22	11.23	4.94	0.44	2390	11.12	4.89	0.44	2411	11.00	4.84	0.44	2433	10.86	4.78	0.44	2452	10.75	4.73	0.44	2464	10.63	4.68	0.44	2545	10.48	4.61	0.44	2655	10.30	4.53	0.44	2831	10.06	4.43	0.44	2960	9.76	4.30	0.44	3070	8.96	3.94	0.44	3258	7.39	3.25	0.44	3381
25	24	11.39	3.64	0.32	2409	11.27	3.61	0.32	2431	11.15	3.57	0.32	2452	11.01	3.52	0.32	2472	10.90	3.49	0.32	2484	10.78	3.45	0.32	2564	10.63	3.40	0.32	2675	10.44	3.34	0.32	2851	10.20	3.26	0.32	2980	9.90	3.17	0.32	3089	9.09	2.91	0.32	3278	7.50	2.40	0.32	3400
26	18	11.04	7.95	0.72	2372	10.93	7.87	0.72	2394	10.82	7.79	0.72	2416	10.68	7.69	0.72	2435	10.57	7.61	0.72	2448	10.46	7.53	0.72	2529	10.31	7.42	0.72	2640	10.13	7.29	0.72	2818	9.89	7.12	0.72	2949	9.60	6.91	0.72	3059	8.82	6.35	0.72	3249	7.27	5.24	0.72	3373
26	20	11.38	6.83	0.60	2397	11.27	6.76	0.60	2419	11.15	6.69	0.60	2441	11.00	6.60	0.60	2460	10.89	6.54	0.60	2472	10.78	6.47	0.60	2554	10.63	6.38	0.60	2665	10.44	6.26	0.60	2843	10.19	6.12	0.60	2973	9.90	5.94	0.60	3084	9.09	5.45	0.60	3274	7.50	4.50	0.60	3398
26	22	11.58	5.56	0.48	2414	11.46	5.50	0.48	2436	11.34	5.44	0.48	2457	11.19	5.37	0.48	2477	11.08	5.32	0.48	2489	10.96	5.26	0.48	2571	10.81	5.19	0.48	2682	10.62	5.10	0.48	2860	10.37	4.98	0.48	2990	10.07	4.83	0.48	3101	9.24	4.44	0.48	3291	7.62	3.66	0.48	3415
26	24	11.74	4.23	0.36	2434	11.62	4.18	0.36	2455	11.50	4.14	0.36	2477	11.35	4.09	0.36	2497	11.24	4.04	0.36	2509	11.11	4.00	0.36	2590	10.96	3.95	0.36	2702	10.77	3.88	0.36	2880	10.51	3.78	0.36	3010	10.21	3.67	0.36	3120	9.37	3.37	0.36	3311	7.73	2.78	0.36	3435
26	26	11.93	2.86	0.24	2457	11.81	2.83	0.24	2478	11.68	2.80	0.24	2500	11.53	2.77	0.24	2520	11.41	2.74	0.24	2532	11.29	2.71	0.24	2613	11.13	2.67	0.24	2724	10.94	2.63	0.24	2903	10.68	2.56	0.24	3033	10.37	2.49	0.24	3143	9.52	2.28	0.24	3334	7.85	1.88	0.24	3457
27	18	11.27	8.56	0.76	2396	11.16	8.48	0.76	2418	11.04	8.39	0.76	2440	10.89	8.28	0.76	2460	10.79	8.20	0.76	2472	10.67	8.11	0.76	2554	10.52	8.00	0.76	2667	10.34	7.86	0.76	2847	10.09	7.67	0.76	2978	9.80	7.45	0.76	3090	9.00	6.84	0.76	3282	7.42	5.64	0.76	3407
27	19	11.50	8.05	0.70	2406	11.39	7.97	0.70	2428	11.26	7.88	0.70	2450	11.12	7.78	0.70	2470	11.01	7.70	0.70	2482	10.89	7.62	0.70	2564	10.74	7.52	0.70	2677	10.55	7.38	0.70	2857	10.30	7.21	0.70	2988	10.00	7.00	0.70	3100	9.18	6.43	0.70	3292	7.57	5.30	0.70	3417
27	20	11.61	7.43	0.64	2421	11.50	7.36	0.64	2443	11.37	7.28	0.64	2465	11.23	7.19	0.64	2485	11.12	7.12	0.64	2497	11.00	7.04	0.64	2579	10.84	6.94	0.64	2692	10.65	6.82	0.64	2872	10.40	6.66	0.64	3003	10.10	6.46	0.64	3115	9.27	5.93	0.64	3307	7.65	4.90	0.64	3432
27	22	11.81	6.14	0.52	2438	11.69	6.08	0.52	2460	11.57	6.02	0.52	2482	11.42	5.94	0.52	2502	11.31	5.88	0.52	2514	11.18	5.82	0.52	2596	11.03	5.73	0.52	2709	10.																			

4. CAPACITIES AND SELECTION DATA

Ceiling & Floor type

AVT-24UR4RB8 & AUW-24U4RJ7

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AVT-24UR4RB8 & AUW-24U4RJ7																																																	
CAPACITY: 7.00 kW SHF: 0.70 INPUT: 2160 W																																																	
INDOOR DB(°C)		INDOOR WB(°C)		OUTDOOR DB (°C)																																													
				-15				-5				0				5				10				15				20				25				30				35				40				45	
Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT		
21	18	6.78	3.52	0.52	1569	6.71	3.49	0.52	1583	6.64	3.45	0.52	1598	6.55	3.41	0.52	1611	6.49	3.37	0.52	1619	6.42	3.34	0.52	1673	6.33	3.29	0.52	1747	6.22	3.23	0.52	1865	6.07	3.16	0.52	1951	5.89	3.06	0.52	2024	5.41	2.81	0.52	2150	4.46	2.32	0.52	2232
21	20	7.06	2.82	0.40	1593	6.99	2.79	0.40	1607	6.91	2.76	0.40	1621	6.82	2.73	0.40	1634	6.75	2.70	0.40	1643	6.68	2.67	0.40	1696	6.59	2.64	0.40	1770	6.47	2.59	0.40	1888	6.32	2.53	0.40	1975	6.14	2.45	0.40	2048	5.63	2.25	0.40	2174	4.65	1.86	0.40	2256
22	18	6.99	3.91	0.56	1585	6.92	3.87	0.56	1599	6.84	3.83	0.56	1614	6.75	3.78	0.56	1627	6.69	3.74	0.56	1635	6.61	3.70	0.56	1690	6.52	3.65	0.56	1764	6.41	3.59	0.56	1884	6.26	3.50	0.56	1971	6.07	3.40	0.56	2045	5.58	3.12	0.56	2172	4.60	2.58	0.56	2255
22	20	7.20	3.17	0.44	1609	7.13	3.14	0.44	1623	7.05	3.10	0.44	1638	6.96	3.06	0.44	1651	6.89	3.03	0.44	1659	6.82	3.00	0.44	1714	6.72	2.96	0.44	1788	6.60	2.91	0.44	1907	6.45	2.84	0.44	1994	6.26	2.75	0.44	2068	5.75	2.53	0.44	2196	4.74	2.09	0.44	2279
22	22	7.32	2.34	0.32	1625	7.25	2.32	0.32	1639	7.17	2.29	0.32	1654	7.08	2.27	0.32	1667	7.01	2.24	0.32	1675	6.93	2.22	0.32	1730	6.84	2.19	0.32	1804	6.72	2.15	0.32	1923	6.56	2.10	0.32	2011	6.37	2.04	0.32	2085	5.85	1.87	0.32	2212	4.82	1.54	0.32	2295
23	18	7.13	4.28	0.60	1601	7.06	4.23	0.60	1616	6.98	4.19	0.60	1630	6.89	4.13	0.60	1644	6.82	4.09	0.60	1652	6.75	4.05	0.60	1707	6.66	3.99	0.60	1782	6.54	3.92	0.60	1903	6.38	3.83	0.60	1991	6.20	3.72	0.60	2065	5.69	3.41	0.60	2194	4.69	2.82	0.60	2278
23	20	7.35	3.53	0.48	1625	7.27	3.49	0.48	1640	7.19	3.45	0.48	1654	7.10	3.41	0.48	1668	7.03	3.38	0.48	1676	6.96	3.34	0.48	1731	6.86	3.29	0.48	1806	6.74	3.23	0.48	1927	6.58	3.16	0.48	2015	6.39	3.07	0.48	2089	5.86	2.82	0.48	2218	4.84	2.32	0.48	2302
23	22	7.47	2.69	0.36	1641	7.40	2.66	0.36	1656	7.32	2.63	0.36	1671	7.22	2.60	0.36	1684	7.15	2.57	0.36	1692	7.07	2.55	0.36	1747	6.98	2.51	0.36	1822	6.85	2.47	0.36	1943	6.69	2.41	0.36	2031	6.50	2.34	0.36	2106	5.96	2.15	0.36	2234	4.92	1.77	0.36	2318
24	18	7.27	4.66	0.64	1617	7.20	4.61	0.64	1632	7.12	4.56	0.64	1647	7.03	4.50	0.64	1660	6.96	4.46	0.64	1669	6.89	4.41	0.64	1724	6.79	4.35	0.64	1800	6.67	4.27	0.64	1922	6.52	4.17	0.64	2011	6.33	4.05	0.64	2086	5.81	3.72	0.64	2216	4.79	3.07	0.64	2301
24	20	7.50	3.90	0.52	1641	7.42	3.86	0.52	1656	7.34	3.82	0.52	1671	7.25	3.77	0.52	1684	7.18	3.73	0.52	1693	7.10	3.69	0.52	1748	7.00	3.64	0.52	1824	6.88	3.58	0.52	1946	6.71	3.49	0.52	2035	6.52	3.39	0.52	2110	5.98	3.11	0.52	2240	4.94	2.57	0.52	2325
24	22	7.62	3.05	0.40	1658	7.55	3.02	0.40	1673	7.47	2.99	0.40	1688	7.37	2.95	0.40	1701	7.30	2.92	0.40	1709	7.22	2.89	0.40	1765	7.12	2.85	0.40	1841	6.99	2.80	0.40	1963	6.83	2.73	0.40	2051	6.63	2.65	0.40	2127	6.09	2.43	0.40	2257	5.02	2.01	0.40	2341
24	24	7.73	2.16	0.28	1677	7.65	2.14	0.28	1692	7.57	2.12	0.28	1707	7.47	2.09	0.28	1720	7.40	2.07	0.28	1729	7.32	2.05	0.28	1784	7.22	2.02	0.28	1860	7.09	1.99	0.28	1982	6.92	1.94	0.28	2071	6.72	1.88	0.28	2146	6.17	1.73	0.28	2276	5.09	1.43	0.28	2361
25	18	7.50	5.10	0.68	1634	7.42	5.05	0.68	1648	7.34	4.99	0.68	1664	7.25	4.93	0.68	1677	7.18	4.88	0.68	1685	7.10	4.83	0.68	1742	7.00	4.76	0.68	1818	6.88	4.68	0.68	1941	6.72	4.57	0.68	2031	6.52	4.43	0.68	2107	5.99	4.07	0.68	2238	4.94	3.36	0.68	2324
25	20	7.73	4.33	0.56	1658	7.65	4.29	0.56	1673	7.57	4.24	0.56	1688	7.47	4.18	0.56	1701	7.40	4.14	0.56	1710	7.32	4.10	0.56	1766	7.22	4.04	0.56	1843	7.09	3.97	0.56	1966	6.92	3.88	0.56	2056	6.72	3.76	0.56	2132	6.17	3.45	0.56	2263	5.09	2.85	0.56	2348
25	22	7.86	3.46	0.44	1675	7.78	3.42	0.44	1690	7.70	3.39	0.44	1705	7.60	3.34	0.44	1718	7.52	3.31	0.44	1727	7.44	3.27	0.44	1783	7.34	3.23	0.44	1859	7.21	3.17	0.44	1982	7.04	3.10	0.44	2072	6.83	3.01	0.44	2148	6.27	2.76	0.44	2280	5.18	2.28	0.44	2365
25	24	7.97	2.55	0.32	1694	7.89	2.53	0.32	1709	7.81	2.50	0.32	1724	7.70	2.47	0.32	1738	7.63	2.44	0.32	1746	7.55	2.41	0.32	1802	7.44	2.38	0.32	1879	7.31	2.34	0.32	2002	7.14	2.28	0.32	2092	6.93	2.22	0.32	2168	6.36	2.04	0.32	2299	5.25	1.68	0.32	2385
26	18	7.73	5.57	0.72	1650	7.65	5.51	0.72	1665	7.57	5.45	0.72	1680	7.47	5.38	0.72	1694	7.40	5.33	0.72	1702	7.32	5.27	0.72	1759	7.22	5.20	0.72	1837	7.09	5.11	0.72	1961	6.92	4.99	0.72	2052	6.72	4.84	0.72	2129	6.17	4.44	0.72	2261	5.09	3.67	0.72	2347
26	20	7.97	4.78	0.60	1675	7.89	4.73	0.60	1690	7.80	4.68	0.60	1705	7.70	4.62	0.60	1719	7.63	4.58	0.60	1727	7.54	4.53	0.60	1784	7.44	4.46	0.60	1861	7.31	4.38	0.60	1986	7.14	4.28	0.60	2076	6.93	4.16	0.60	2153	6.36	3.82	0.60	2286	5.25	3.15	0.60	2372
26	22	8.10	3.89	0.48	1692	8.02	3.85	0.48	1707	7.94	3.81	0.48	1722	7.83	3.76	0.48	1736	7.76	3.72	0.48	1744	7.67	3.68	0.48	1801	7.57	3.63	0.48	1878	7.43	3.57	0.48	2002	7.26	3.48	0.48	2093	7.05	3.38	0.48	2170	6.47	3.10	0.48	2303	5.34	2.56	0.48	2389
26	24	8.22	2.96	0.36	1711	8.14	2.93	0.36	1726	8.05	2.90	0.36	1742	7.94	2.86	0.36	1755	7.86	2.83	0.36	1764	7.78	2.80	0.36	1820	7.67	2.76	0.36	1898	7.54	2.71	0.36	2022	7.36	2.65	0.36	2113	7.15	2.57	0.36	2190	6.56	2.36	0.36	2322	5.41	1.95	0.36	2409
26	26	8.35	2.00	0.24	1734	8.27	1.98	0.24	1749	8.18	1.96	0.24	1764	8.07	1.94	0.24	1777	7.99	1.92	0.24	1787	7.90	1.90	0.24	1843	7.79	1.87	0.24	1921	7.66	1.84	0.24	2045	7.48	1.79	0.24	2136	7.26	1.74	0.24	2213	6.66	1.60	0.24	2345	5.50	1.32	0.24	2432
27	18	7.89	6.00	0.76	1667	7.81	5.94	0.76	1682	7.73	5.87	0.76	1697	7.63	5.80	0.76	1711	7.55	5.74	0.76	1720	7.47	5.68	0.76	1777	7.37	5.60	0.76	1855	7.24	5.50	0.76	1981	7.07	5.37	0.76	2072	6.86	5.21	0.76	2150	6.30	4.79	0.76	2284	5.20	3.95	0.76	2371
27	19	8.05	5.63	0.70	1677	7.97	5.58	0.70	1692	7.88	5.52	0.70	1707	7.78	5.45	0.70	1721	7.70	5.39	0.70	1730	7.62	5.33	0.70	1787	7.52	5.26	0.70	1865	7.38	5.17	0.70	1991	7.21	5.05	0.70	2082	7.00	4.90	0.70	2160	6.43	4.50	0.70	2294	5.30	3.71	0.70	2381
27	20	8.13	5.20	0.64	1692	8.05	5.15	0.64	1707	7.96	5.10	0.64	1722	7.86	5.03	0.64	1736	7.78	4.98	0.64	1745	7.70	4.93	0.64	1802	7.59	4.86	0.64	1880	7.46	4.77	0.64	2006	7.28	4.66	0.64	2097	7.07	4.52	0.64	2175	6.49	4.15	0.64	2309	5.35	3.43	0.64	2396
27	22	8.27	4.30	0.52	1709	8.19	4.26	0.52	1724	8.10	4.21	0.52	1739	7.99	4.16	0.52	1753	7.91	4.12	0.52	1762	7.83	4.07	0.52	1819	7.72	4.01	0.52	1897	7.58	3.94	0.52	2023	7.41	3.85	0.52	2114	7.19	3.74	0.52	2192	6.60	3.43	0.52	2326	5.45	2.83	0.52	

4. CAPACITIES AND SELECTION DATA

AUV-36UR4RC8 & AUW-36U4RK7

PERFORMANCE DATA (Cooling Operation at Rated Frequency)																																																	
AUV-36UR4RC8 & AUW-36U4RK7																																																	
CAPACITY: 9.50 kW SHF: 0.70 INPUT: 3330 W																																																	
INDOOR DB(°C)	INDOOR WB(°C)	OUTDOOR DB (°C)																																															
		-15				-5				0				5				10				15				20				25				30				35				40				45			
		Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT	Q	SHC	SHF	INPUT
21	18	9.20	4.78	0.52	2424	9.11	4.73	0.52	2446	9.01	4.68	0.52	2469	8.89	4.62	0.52	2489	8.80	4.58	0.52	2501	8.71	4.53	0.52	2584	8.59	4.47	0.52	2698	8.43	4.39	0.52	2880	8.24	4.28	0.52	3013	8.00	4.16	0.52	3126	7.34	3.82	0.52	3320	6.06	3.15	0.52	3447
21	20	9.58	3.83	0.40	2448	9.48	3.79	0.40	2470	9.38	3.75	0.40	2492	9.26	3.70	0.40	2512	9.17	3.67	0.40	2525	9.07	3.63	0.40	2608	8.94	3.58	0.40	2721	8.78	3.51	0.40	2903	8.58	3.43	0.40	3036	8.33	3.33	0.40	3149	7.64	3.06	0.40	3344	6.31	2.52	0.40	3470
22	18	9.48	5.31	0.56	2449	9.39	5.26	0.56	2471	9.28	5.20	0.56	2494	9.17	5.13	0.56	2514	9.07	5.08	0.56	2526	8.98	5.03	0.56	2610	8.85	4.96	0.56	2725	8.70	4.87	0.56	2909	8.49	4.76	0.56	3043	8.24	4.62	0.56	3157	7.57	4.24	0.56	3354	6.24	3.50	0.56	3481
22	20	9.77	4.30	0.44	2472	9.67	4.26	0.44	2495	9.57	4.21	0.44	2517	9.45	4.16	0.44	2538	9.35	4.12	0.44	2550	9.25	4.07	0.44	2634	9.12	4.01	0.44	2749	8.96	3.94	0.44	2933	8.75	3.85	0.44	3067	8.50	3.74	0.44	3181	7.80	3.43	0.44	3377	6.44	2.83	0.44	3505
22	22	9.94	3.18	0.32	2489	9.84	3.15	0.32	2511	9.73	3.11	0.32	2533	9.61	3.07	0.32	2554	9.51	3.04	0.32	2566	9.41	3.01	0.32	2650	9.28	2.97	0.32	2765	9.11	2.92	0.32	2949	8.90	2.85	0.32	3083	8.64	2.77	0.32	3197	7.93	2.54	0.32	3394	6.54	2.09	0.32	3521
23	18	9.67	5.80	0.60	2473	9.58	5.75	0.60	2496	9.47	5.68	0.60	2519	9.35	5.61	0.60	2539	9.26	5.56	0.60	2552	9.16	5.50	0.60	2637	9.03	5.42	0.60	2753	8.87	5.32	0.60	2938	8.67	5.20	0.60	3074	8.41	5.05	0.60	3189	7.72	4.63	0.60	3388	6.37	3.82	0.60	3517
23	20	9.97	4.79	0.48	2497	9.87	4.74	0.48	2520	9.76	4.69	0.48	2543	9.64	4.63	0.48	2563	9.54	4.58	0.48	2576	9.44	4.53	0.48	2661	9.31	4.47	0.48	2777	9.14	4.39	0.48	2962	8.93	4.29	0.48	3098	8.67	4.16	0.48	3213	7.96	3.82	0.48	3412	6.57	3.15	0.48	3541
23	22	10.14	3.65	0.36	2514	10.04	3.61	0.36	2536	9.93	3.57	0.36	2559	9.80	3.53	0.36	2579	9.71	3.49	0.36	2592	9.60	3.46	0.36	2677	9.47	3.41	0.36	2793	9.30	3.35	0.36	2979	9.08	3.27	0.36	3114	8.82	3.17	0.36	3230	8.09	2.91	0.36	3428	6.68	2.40	0.36	3557
24	18	9.87	6.32	0.64	2498	9.77	6.26	0.64	2521	9.67	6.19	0.64	2544	9.54	6.11	0.64	2565	9.45	6.05	0.64	2578	9.35	5.98	0.64	2663	9.22	5.90	0.64	2780	9.05	5.79	0.64	2968	8.84	5.66	0.64	3105	8.58	5.49	0.64	3221	7.88	5.04	0.64	3422	6.50	4.16	0.64	3552
24	20	10.17	5.29	0.52	2523	10.07	5.24	0.52	2545	9.96	5.18	0.52	2568	9.84	5.11	0.52	2589	9.74	5.06	0.52	2602	9.63	5.01	0.52	2687	9.50	4.94	0.52	2805	9.33	4.85	0.52	2992	9.11	4.74	0.52	3129	8.85	4.60	0.52	3246	8.12	4.22	0.52	3446	6.70	3.48	0.52	3576
24	22	10.35	4.14	0.40	2539	10.24	4.10	0.40	2562	10.13	4.05	0.40	2585	10.00	4.00	0.40	2606	9.90	3.96	0.40	2618	9.80	3.92	0.40	2704	9.66	3.86	0.40	2821	9.49	3.80	0.40	3009	9.27	3.71	0.40	3146	9.00	3.60	0.40	3262	8.26	3.30	0.40	3462	6.81	2.73	0.40	3593
24	24	10.49	2.94	0.28	2559	10.39	2.91	0.28	2581	10.27	2.88	0.28	2604	10.14	2.84	0.28	2625	10.04	2.81	0.28	2638	9.93	2.78	0.28	2723	9.80	2.74	0.28	2841	9.62	2.69	0.28	3028	9.40	2.63	0.28	3165	9.12	2.55	0.28	3282	8.38	2.35	0.28	3482	6.91	1.93	0.28	3612
25	18	10.18	6.92	0.68	2524	10.08	6.85	0.68	2547	9.97	6.78	0.68	2570	9.84	6.69	0.68	2591	9.74	6.62	0.68	2604	9.64	6.55	0.68	2690	9.50	6.46	0.68	2809	9.33	6.35	0.68	2998	9.12	6.20	0.68	3136	8.85	6.02	0.68	3254	8.12	5.52	0.68	3456	6.70	4.56	0.68	3588
25	20	10.49	5.87	0.56	2548	10.38	5.82	0.56	2571	10.27	5.75	0.56	2594	10.14	5.68	0.56	2615	10.04	5.62	0.56	2628	9.93	5.56	0.56	2715	9.79	5.48	0.56	2833	9.62	5.39	0.56	3023	9.39	5.26	0.56	3161	9.12	5.11	0.56	3278	8.37	4.69	0.56	3481	6.91	3.87	0.56	3612
25	22	10.67	4.69	0.44	2565	10.56	4.65	0.44	2588	10.45	4.60	0.44	2611	10.31	4.54	0.44	2632	10.21	4.49	0.44	2645	10.10	4.44	0.44	2731	9.96	4.38	0.44	2850	9.78	4.30	0.44	3039	9.55	4.20	0.44	3178	9.28	4.08	0.44	3295	8.52	3.75	0.44	3497	7.03	3.09	0.44	3629
25	24	10.82	3.46	0.32	2584	10.71	3.43	0.32	2607	10.59	3.39	0.32	2631	10.46	3.35	0.32	2651	10.35	3.31	0.32	2665	10.24	3.28	0.32	2751	10.10	3.23	0.32	2869	9.92	3.17	0.32	3059	9.69	3.10	0.32	3197	9.41	3.01	0.32	3315	8.63	2.76	0.32	3517	7.12	2.28	0.32	3649
26	18	10.49	7.55	0.72	2549	10.39	7.48	0.72	2572	10.27	7.40	0.72	2596	10.14	7.30	0.72	2617	10.04	7.23	0.72	2630	9.93	7.15	0.72	2717	9.80	7.05	0.72	2837	9.62	6.93	0.72	3028	9.40	6.77	0.72	3168	9.12	6.57	0.72	3287	8.38	6.03	0.72	3491	6.91	4.98	0.72	3624
26	20	10.81	6.49	0.60	2574	10.71	6.42	0.60	2597	10.59	6.35	0.60	2621	10.45	6.27	0.60	2642	10.35	6.21	0.60	2655	10.24	6.14	0.60	2742	10.10	6.06	0.60	2862	9.92	5.95	0.60	3053	9.69	5.81	0.60	3193	9.40	5.64	0.60	3312	8.63	5.18	0.60	3516	7.12	4.27	0.60	3649
26	22	11.00	5.28	0.48	2591	10.89	5.23	0.48	2614	10.77	5.17	0.48	2637	10.63	5.10	0.48	2658	10.53	5.05	0.48	2672	10.41	5.00	0.48	2759	10.27	4.93	0.48	2878	10.09	4.84	0.48	3070	9.85	4.73	0.48	3210	9.56	4.59	0.48	3328	8.78	4.21	0.48	3533	7.24	3.48	0.48	3666
26	24	11.15	4.01	0.36	2611	11.04	3.97	0.36	2634	10.92	3.93	0.36	2657	10.78	3.88	0.36	2678	10.67	3.84	0.36	2691	10.56	3.80	0.36	2779	10.41	3.75	0.36	2898	10.23	3.68	0.36	3090	9.99	3.60	0.36	3229	9.70	3.49	0.36	3348	8.90	3.20	0.36	3553	7.34	2.64	0.36	3686
26	26	11.33	2.72	0.24	2633	11.22	2.69	0.24	2657	11.10	2.66	0.24	2680	10.95	2.63	0.24	2701	10.84	2.60	0.24	2714	10.73	2.57	0.24	2801	10.58	2.54	0.24	2921	10.39	2.49	0.24	3112	10.15	2.44	0.24	3252	9.85	2.36	0.24	3371	9.04	2.17	0.24	3575	7.46	1.79	0.24	3708
27	18	10.71	8.14	0.76	2575	10.60	8.06	0.76	2598	10.48	7.97	0.76	2622	10.35	7.87	0.76	2643	10.25	7.79	0.76	2657	10.14	7.70	0.76	2745	10.00	7.60	0.76	2866	9.82	7.41	0.76	3059	9.59	7.29	0.76	3200	9.31	7.08	0.76	3330	8.55	6.50	0.76	3532	7.05	5.36	0.76	3661
27	20	10.92	7.65	0.70	2585	10.82	7.57	0.70	2608	10.70	7.49	0.70	2632	10.56	7.39	0.70	2653	10.44	7.32	0.70	2667	10.34	7.24	0.70	2755	10.20	7.14	0.70	2876	10.02	7.06	0.70	3069	9.79	6.85	0.70	3210	9.50	6.65	0.70	3340	8.72	6.10	0.70	3536	7.19	5.04	0.70	3671
27	22	11.03	7.06	0.64	2600	10.92	6.99	0.64	2623	10.81	6.92	0.64	2647	10.67	6.83	0.64	2668	10.56	6.76	0.64	2682	10.45	6.69	0.64	2770	10.30	6.59	0.64	2891	10.12	6.48	0.64	3084	9.88	6.33	0.64	3225	9.60	6.14	0.64	3345	8.81	5.64	0.64	3551	7.27	4.65	0.64	3686
27	24	11.22	5.84	0.52	2617	11.11	5.78	0.52	2640	10.99	5.71	0.52	2664	10.85	5.64	0.52	2685	10.74	5.59	0.52	2699	10.62	5.52																										

4. CAPACITIES AND SELECTION DATA

Turbo Inverter

Duct type

ADT-09UX4RBL8 & AUW-09U4RS8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	2.40	612	2.82	622	3.48	637	3.52	655	3.56	671	3.60	718	3.64	740	3.68	755
12	2.33	624	2.74	636	3.31	651	3.45	668	3.48	683	3.53	728	3.56	751	3.61	767
14	2.25	636	2.67	649	2.99	664	3.37	680	3.41	695	3.45	739	3.49	761	3.53	779
16	2.18	648	2.60	663	2.92	677	3.30	692	3.34	707	3.38	750	3.42	772	3.46	791
18	2.11	660	2.52	676	2.84	691	3.17	704	3.20	719	3.31	760	3.34	783	3.39	803
20	2.03	672	2.45	689	2.77	704	3.15	716	3.19	731	3.29	771	3.27	793	3.31	815
22	1.96	684	2.37	703	2.69	718	3.08	729	3.12	743	3.16	782	3.23	804	3.24	827
24	1.88	696	2.30	716	2.62	731	3.00	741	3.04	755	3.08	792	3.12	815	3.16	839
26	1.81	708	2.23	730	2.55	744	2.93	753	2.97	767	3.01	803	3.05	826	3.09	851
28	1.74	720	2.15	743	2.47	758	2.86	765	2.90	779	2.94	813	2.98	836	3.02	863
30	1.66	732	2.08	756	2.40	771	2.78	777	2.82	791	2.86	824	2.90	847	2.94	875

ADT-12UX4RBL8 & AUW-12U4RS8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	3.00	827	3.52	841	4.36	861	4.40	886	4.45	907	4.50	970	4.55	1000	4.60	1020
12	2.91	843	3.43	859	4.14	879	4.31	902	4.36	923	4.41	984	4.46	1014	4.51	1037
14	2.82	859	3.34	878	3.74	898	4.22	919	4.26	939	4.32	998	4.36	1029	4.42	1053
16	2.72	875	3.24	895	3.64	915	4.12	935	4.17	955	4.22	1013	4.27	1043	4.32	1069
18	2.63	891	3.15	913	3.55	933	3.96	952	4.00	972	4.13	1028	4.18	1058	4.23	1085
20	2.54	908	3.06	932	3.46	952	3.94	968	3.99	988	4.11	1042	4.09	1072	4.14	1101
22	2.45	924	2.97	950	3.37	970	3.85	985	3.90	1004	3.95	1056	4.04	1087	4.05	1118
24	2.36	940	2.88	968	3.28	988	3.76	1001	3.80	1020	3.86	1070	3.90	1101	3.96	1134
26	2.26	956	2.78	986	3.18	1006	3.66	1018	3.71	1036	3.76	1085	3.81	1116	3.86	1150
28	2.17	972	2.69	1004	3.09	1024	3.57	1034	3.62	1053	3.67	1099	3.72	1130	3.77	1167
30	2.08	989	2.60	1022	3.00	1042	3.48	1050	3.53	1069	3.58	1113	3.63	1145	3.68	1183

AUD-36UX4REH8 & AUW-36U6RN8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	7.50	2232	8.80	2271	10.89	2325	11.00	2391	11.12	2448	11.25	2618	11.37	2699	11.50	2754
12	7.27	2276	8.57	2320	10.35	2374	10.77	2436	10.89	2492	11.02	2657	11.14	2739	11.27	2799
14	7.04	2319	8.34	2370	9.34	2424	10.54	2480	10.66	2535	10.79	2695	10.91	2778	11.04	2843
16	6.81	2363	8.11	2417	9.11	2471	10.31	2525	10.43	2579	10.56	2736	10.68	2816	10.81	2886
18	6.58	2407	7.88	2466	8.88	2520	9.90	2570	10.00	2623	10.33	2774	10.45	2855	10.58	2930
20	6.35	2451	7.65	2515	8.65	2569	9.85	2614	9.97	2667	10.28	2813	10.22	2895	10.35	2974
22	6.12	2494	7.42	2564	8.42	2618	9.62	2659	9.74	2711	9.87	2852	10.09	2934	10.12	3018
24	5.89	2538	7.19	2613	8.19	2667	9.39	2703	9.51	2755	9.64	2890	9.76	2973	9.89	3062
26	5.66	2582	6.96	2662	7.96	2716	9.16	2747	9.28	2798	9.41	2929	9.53	3012	9.66	3106
28	5.43	2625	6.73	2711	7.73	2765	8.93	2792	9.05	2842	9.18	2967	9.30	3052	9.43	3150
30	5.20	2669	6.50	2760	7.50	2814	8.70	2836	8.82	2886	8.95	3006	9.07	3091	9.20	3194

AUD-48UX4REH8 & AUW-48U6RN8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	12.00	4158	14.08	4231	17.42	4332	17.60	4455	17.79	4560	18.00	4878	18.19	5028	18.40	5131
12	11.63	4239	13.71	4323	16.56	4423	17.23	4538	17.42	4642	17.63	4950	17.82	5102	18.03	5214
14	11.26	4321	13.34	4414	14.94	4515	16.86	4620	17.06	4723	17.26	5021	17.46	5175	17.66	5296
16	10.90	4402	12.98	4503	14.58	4604	16.50	4705	16.69	4805	16.90	5096	17.09	5246	17.30	5376
18	10.53	4484	12.61	4595	14.21	4695	15.84	4787	16.00	4887	16.53	5168	16.72	5319	16.93	5458
20	10.16	4565	12.24	4686	13.84	4786	15.76	4870	15.95	4968	16.45	5240	16.35	5393	16.56	5540
22	9.79	4647	11.87	4777	13.47	4877	15.39	4953	15.58	5050	15.79	5312	16.14	5466	16.19	5622
24	9.42	4728	11.50	4868	13.10	4969	15.02	5036	15.22	5132	15.42	5384	15.62	5539	15.82	5704
26	9.06	4810	11.14	4959	12.74	5060	14.66	5118	14.85	5213	15.06	5456	15.25	5612	15.46	5786
28	8.69	4891	10.77	5051	12.37	5151	14.29	5201	14.48	5295	14.69	5528	14.88	5685	15.09	5868
30	8.32	4973	10.40	5142	12.00	5242	13.92	5284	14.11	5376	14.32	5600	14.51	5758	14.72	5951

4. CAPACITIES AND SELECTION DATA

AUD-60UX4REH8 & AUW-60U6RW8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	12.75	3786	14.96	3853	18.51	3944	18.70	4057	18.90	4152	19.13	4442	19.33	4579	19.55	4672
12	12.36	3860	14.57	3936	17.60	4028	18.31	4132	18.51	4226	18.73	4507	18.94	4645	19.16	4747
14	11.97	3934	14.18	4019	15.88	4111	17.92	4207	18.12	4301	18.34	4572	18.55	4712	18.77	4822
16	11.58	4008	13.79	4100	15.49	4192	17.53	4284	17.73	4375	17.95	4641	18.16	4777	18.38	4895
18	11.19	4083	13.40	4184	15.10	4275	16.83	4359	17.00	4450	17.56	4706	17.77	4844	17.99	4970
20	10.80	4157	13.01	4267	14.71	4358	16.75	4434	16.95	4524	17.48	4772	17.37	4910	17.60	5044
22	10.40	4231	12.61	4350	14.31	4441	16.35	4510	16.56	4598	16.78	4837	17.15	4977	17.20	5119
24	10.01	4305	12.22	4433	13.92	4524	15.96	4585	16.17	4672	16.39	4903	16.59	5043	16.81	5194
26	9.62	4379	11.83	4516	13.53	4607	15.57	4661	15.78	4747	16.00	4968	16.20	5110	16.42	5269
28	9.23	4454	11.44	4599	13.14	4690	15.18	4736	15.39	4821	15.61	5034	15.81	5176	16.03	5343
30	8.84	4528	11.05	4682	12.75	4773	14.79	4811	14.99	4895	15.22	5099	15.42	5243	15.64	5418

AUD-85UX4RPH8 & AUW-85U6RZ8

INDOOR DB(°C)	OUTDOOR DB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	18.75	5985	22.00	6090	27.23	6235	27.50	6412	27.80	6564	28.13	7021	28.43	7238	28.75	7386
12	18.18	6102	21.43	6222	25.88	6367	26.93	6531	27.23	6681	27.55	7124	27.85	7344	28.18	7504
14	17.60	6219	20.85	6354	23.35	6499	26.35	6650	26.65	6798	26.98	7227	27.28	7449	27.60	7623
16	17.03	6336	20.28	6482	22.78	6627	25.78	6772	26.08	6917	26.40	7336	26.70	7551	27.03	7738
18	16.45	6454	19.70	6613	22.20	6758	24.75	6891	25.00	7034	25.83	7439	26.13	7657	26.45	7856
20	15.88	6571	19.13	6744	21.63	6889	24.63	7010	24.93	7151	25.70	7543	25.55	7762	25.88	7974
22	15.30	6688	18.55	6876	21.05	7020	24.05	7129	24.35	7269	24.68	7646	25.23	7867	25.30	8092
24	14.73	6806	17.98	7007	20.48	7152	23.48	7248	23.78	7386	24.10	7750	24.40	7972	24.73	8210
26	14.15	6923	17.40	7138	19.90	7283	22.90	7367	23.20	7504	23.53	7853	23.83	8078	24.15	8329
28	13.58	7040	16.83	7270	19.33	7414	22.33	7486	22.63	7621	22.95	7957	23.25	8183	23.58	8447
30	13.00	7157	16.25	7401	18.75	7546	21.75	7606	22.05	7738	22.38	8060	22.68	8288	23.00	8565

Compact Cassette type

ACT-12UR4RCC8 & AUW-12U4RS8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	3.00	827	3.52	841	4.36	861	4.40	886	4.45	907	4.50	970	4.55	1000	4.60	1020
12	2.91	843	3.43	859	4.14	879	4.31	902	4.36	923	4.41	984	4.46	1014	4.51	1037
14	2.82	859	3.34	878	3.74	898	4.22	919	4.26	939	4.32	998	4.36	1029	4.42	1053
16	2.72	875	3.24	895	3.64	915	4.12	935	4.17	955	4.22	1013	4.27	1043	4.32	1069
18	2.63	891	3.15	913	3.55	933	3.96	952	4.00	972	4.13	1028	4.18	1058	4.23	1085
20	2.54	908	3.06	932	3.46	952	3.94	968	3.99	988	4.11	1042	4.09	1072	4.14	1101
22	2.45	924	2.97	950	3.37	970	3.85	985	3.90	1004	3.95	1056	4.04	1087	4.05	1118
24	2.36	940	2.88	968	3.28	988	3.76	1001	3.80	1020	3.86	1070	3.90	1101	3.96	1134
26	2.26	956	2.78	986	3.18	1006	3.66	1018	3.71	1036	3.76	1085	3.81	1116	3.86	1150
28	2.17	972	2.69	1004	3.09	1024	3.57	1034	3.62	1053	3.67	1099	3.72	1130	3.77	1167
30	2.08	989	2.60	1022	3.00	1042	3.48	1050	3.53	1069	3.58	1113	3.63	1145	3.68	1183

Cassette type

AUC-48UR4RKC8 & AUW-48U6RN8

INDOOR DB(°C)	OUTDOOR DB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	12.00	4133	14.08	4206	17.42	4306	17.60	4429	17.79	4533	18.00	4849	18.19	4999	18.40	5101
12	11.63	4214	13.71	4297	16.56	4397	17.23	4511	17.42	4614	17.63	4920	17.82	5072	18.03	5183
14	11.26	4295	13.34	4388	14.94	4488	16.86	4593	17.06	4695	17.26	4991	17.46	5145	17.66	5265
16	10.90	4376	12.98	4476	14.58	4576	16.50	4677	16.69	4777	16.90	5066	17.09	5215	17.30	5344
18	10.53	4457	12.61	4567	14.21	4667	15.84	4759	16.00	4858	16.53	5138	16.72	5288	16.93	5425
20	10.16	4538	12.24	4658	13.84	4758	15.76	4841	15.95	4939	16.45	5209	16.35	5360	16.56	5507
22	9.79	4619	11.87	4748	13.47	4848	15.39	4923	15.58	5020	15.79	5281	16.14	5433	16.19	5589
24	9.42	4700	11.50	4839	13.10	4939	15.02	5006	15.22	5101	15.42	5352	15.62	5506	15.82	5670
26	9.06	4781	11.14	4930	12.74	5030	14.66	5088	14.85	5182	15.06	5424	15.25	5578	15.46	5752
28	8.69	4862	10.77	5020	12.37	5120	14.29	5170	14.48	5263	14.69	5495	14.88	5651	15.09	5833
30	8.32	4943	10.40	5111	12.00	5211	13.92	5252	14.11	5344	14.32	5567	14.51	5724	14.72	5915

4. CAPACITIES AND SELECTION DATA

AUC-60UR4RKC8 & AUW-60U6RW8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	13.13	4877	15.40	4963	19.06	5081	19.25	5226	19.46	5349	19.69	5722	19.90	5898	20.13	6019
12	12.72	4973	15.00	5070	18.11	5188	18.85	5322	19.06	5445	19.29	5806	19.50	5984	19.72	6115
14	12.32	5068	14.60	5178	16.35	5296	18.45	5419	18.66	5540	18.88	5889	19.09	6071	19.32	6212
16	11.92	5164	14.19	5282	15.94	5400	18.04	5518	18.25	5636	18.48	5978	18.69	6154	18.92	6305
18	11.52	5259	13.79	5389	15.54	5507	17.33	5615	17.50	5732	18.08	6062	18.29	6239	18.52	6402
20	11.11	5355	13.39	5496	15.14	5614	17.24	5712	17.45	5828	17.99	6147	17.89	6325	18.11	6498
22	10.71	5450	12.99	5603	14.74	5721	16.84	5810	17.05	5923	17.27	6231	17.66	6411	17.71	6595
24	10.31	5546	12.58	5710	14.33	5828	16.43	5907	16.64	6019	16.87	6315	17.08	6497	17.31	6691
26	9.91	5642	12.18	5817	13.93	5935	16.03	6004	16.24	6115	16.47	6400	16.68	6583	16.91	6787
28	9.50	5737	11.78	5924	13.53	6042	15.63	6101	15.84	6210	16.07	6484	16.28	6668	16.50	6884
30	9.10	5833	11.38	6031	13.13	6149	15.23	6198	15.44	6306	15.66	6569	15.87	6754	16.10	6980

Ceiling & Floor type

AUV-48UR4RC8 & AUW-48U6RN8

INDOOR DB(°C)	OUTDOOR DB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	12.00	4183	14.08	4256	17.42	4358	17.60	4482	17.79	4587	18.00	4907	18.19	5058	18.40	5162
12	11.63	4265	13.71	4349	16.56	4450	17.23	4565	17.42	4669	17.63	4979	17.82	5132	18.03	5245
14	11.26	4347	13.34	4441	14.94	4542	16.86	4648	17.06	4751	17.26	5051	17.46	5206	17.66	5328
16	10.90	4429	12.98	4530	14.58	4631	16.50	4733	16.69	4834	16.90	5127	17.09	5278	17.30	5408
18	10.53	4510	12.61	4622	14.21	4723	15.84	4816	16.00	4916	16.53	5199	16.72	5351	16.93	5490
20	10.16	4592	12.24	4714	13.84	4815	15.76	4899	15.95	4998	16.45	5272	16.35	5425	16.56	5573
22	9.79	4674	11.87	4805	13.47	4907	15.39	4982	15.58	5080	15.79	5344	16.14	5498	16.19	5656
24	9.42	4756	11.50	4897	13.10	4998	15.02	5066	15.22	5162	15.42	5416	15.62	5572	15.82	5738
26	9.06	4838	11.14	4989	12.74	5090	14.66	5149	14.85	5244	15.06	5489	15.25	5645	15.46	5821
28	8.69	4920	10.77	5081	12.37	5182	14.29	5232	14.48	5326	14.69	5561	14.88	5719	15.09	5903
30	8.32	5002	10.40	5172	12.00	5274	13.92	5315	14.11	5408	14.32	5633	14.51	5793	14.72	5986

AUV-60UR4RC8 & AUW-60U6RW8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	13.13	4381	15.40	4458	19.06	4564	19.25	4694	19.46	4805	19.69	5140	19.90	5298	20.13	5407
12	12.72	4467	15.00	4555	18.11	4661	18.85	4781	19.06	4891	19.29	5215	19.50	5376	19.72	5493
14	12.32	4553	14.60	4651	16.35	4757	18.45	4868	18.66	4977	18.88	5290	19.09	5453	19.32	5580
16	11.92	4639	14.19	4745	15.94	4851	18.04	4957	18.25	5063	18.48	5370	18.69	5528	18.92	5664
18	11.52	4724	13.79	4841	15.54	4947	17.33	5044	17.50	5149	18.08	5446	18.29	5605	18.52	5751
20	11.11	4810	13.39	4937	15.14	5043	17.24	5132	17.45	5235	17.99	5522	17.89	5682	18.11	5837
22	10.71	4896	12.99	5033	14.74	5139	16.84	5219	17.05	5321	17.27	5597	17.66	5759	17.71	5924
24	10.31	4982	12.58	5129	14.33	5235	16.43	5306	16.64	5407	16.87	5673	17.08	5836	17.31	6010
26	9.91	5068	12.18	5226	13.93	5331	16.03	5393	16.24	5493	16.47	5749	16.68	5913	16.91	6097
28	9.50	5154	11.78	5322	13.53	5428	15.63	5480	15.84	5579	16.07	5825	16.28	5990	16.50	6183
30	9.10	5240	11.38	5418	13.13	5524	15.23	5568	15.44	5665	15.66	5901	15.87	6067	16.10	6270

Console type

AKT-09UR4RK8 & AUW-09U4RS8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	2.40	661	2.82	673	3.48	689	3.52	709	3.56	725	3.60	776	3.64	800	3.68	816
12	2.33	674	2.74	688	3.31	704	3.45	722	3.48	738	3.53	787	3.56	811	3.61	829
14	2.25	687	2.67	702	2.99	718	3.37	735	3.41	751	3.45	799	3.49	823	3.53	842
16	2.18	700	2.60	716	2.92	732	3.30	748	3.34	764	3.38	811	3.42	834	3.46	855
18	2.11	713	2.52	731	2.84	747	3.17	761	3.20	777	3.31	822	3.34	846	3.39	868
20	2.03	726	2.45	745	2.77	761	3.15	775	3.19	790	3.29	833	3.27	858	3.31	881
22	1.96	739	2.37	760	2.69	776	3.08	788	3.12	803	3.16	845	3.23	869	3.24	894
24	1.88	752	2.30	774	2.62	790	3.00	801	3.04	816	3.08	856	3.12	881	3.16	907
26	1.81	765	2.23	789	2.55	805	2.93	814	2.97	829	3.01	868	3.05	893	3.09	920
28	1.74	778	2.15	803	2.47	819	2.86	827	2.90	842	2.94	879	2.98	904	3.02	933
30	1.66	791	2.08	818	2.40	834	2.78	840	2.82	855	2.86	891	2.90	916	2.94	946

4. CAPACITIES AND SELECTION DATA

AKT-12UR4RK8 & AUW-12U4RS8

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	2.78	810	3.26	824	4.03	844	4.07	868	4.11	888	4.16	950	4.21	980	4.26	1000
12	2.69	826	3.17	842	3.83	862	3.98	884	4.03	904	4.08	964	4.12	994	4.17	1016
14	2.60	842	3.09	860	3.46	880	3.90	900	3.94	920	3.99	978	4.04	1008	4.08	1032
16	2.52	858	3.00	877	3.37	897	3.81	917	3.86	936	3.91	993	3.95	1022	4.00	1047
18	2.43	874	2.92	895	3.29	915	3.66	933	3.70	952	3.82	1007	3.87	1036	3.91	1063
20	2.35	889	2.83	913	3.20	933	3.64	949	3.69	968	3.80	1021	3.78	1051	3.83	1079
22	2.26	905	2.75	931	3.12	950	3.56	965	3.60	984	3.65	1035	3.73	1065	3.74	1095
24	2.18	921	2.66	948	3.03	968	3.47	981	3.52	1000	3.57	1049	3.61	1079	3.66	1111
26	2.09	937	2.58	966	2.95	986	3.39	997	3.43	1016	3.48	1063	3.53	1093	3.57	1127
28	2.01	953	2.49	984	2.86	1004	3.30	1013	3.35	1032	3.40	1077	3.44	1108	3.49	1143
30	1.92	969	2.41	1002	2.78	1021	3.22	1029	3.26	1047	3.31	1091	3.36	1122	3.40	1159

4. CAPACITIES AND SELECTION DATA

Super Inverter

Duct type

ADT-18UX4RCL8 & AUW-18U4RS7

INDOOR DB(°C)	OUTDOOR WB(°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	4.84	1220	5.99	1249	6.05	1284	6.12	1315	6.19	1406	6.25	1450	6.33	1479
12	4.71	1246	5.69	1275	5.92	1308	5.99	1338	6.06	1427	6.13	1471	6.20	1503
14	4.59	1273	5.14	1302	5.80	1332	5.86	1362	5.93	1447	6.00	1492	6.07	1527
16	4.46	1298	5.01	1327	5.67	1356	5.74	1385	5.81	1469	5.87	1512	5.95	1550
18	4.33	1324	4.88	1353	5.45	1380	5.50	1409	5.68	1490	5.75	1533	5.82	1573
20	4.21	1351	4.76	1380	5.42	1404	5.48	1432	5.65	1511	5.62	1555	5.69	1597
22	4.08	1377	4.63	1406	5.29	1428	5.36	1456	5.43	1531	5.55	1576	5.57	1621
24	3.95	1403	4.50	1432	5.16	1452	5.23	1479	5.30	1552	5.37	1597	5.44	1644
26	3.83	1430	4.38	1459	5.04	1475	5.10	1503	5.18	1573	5.24	1618	5.31	1668
28	3.70	1456	4.25	1485	4.91	1499	4.98	1526	5.05	1594	5.12	1639	5.19	1692
30	3.58	1482	4.13	1511	4.79	1523	4.85	1550	4.92	1614	4.99	1660	5.06	1715

ADT-24UX4RCL8 & AUW-24U4RJ7

INDOOR DB(°C)	OUTDOOR WB(°C)															
	-15		-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	6.00	1984	7.04	2019	8.71	2067	8.80	2126	8.90	2176	9.00	2328	9.10	2399	9.20	2448
12	5.82	2023	6.86	2063	8.28	2111	8.62	2165	8.71	2215	8.82	2362	8.91	2434	9.02	2488
14	5.63	2062	6.67	2106	7.47	2154	8.43	2204	8.53	2254	8.63	2396	8.73	2469	8.83	2527
16	5.45	2100	6.49	2149	7.29	2197	8.25	2245	8.34	2293	8.45	2432	8.54	2503	8.65	2565
18	5.26	2139	6.30	2192	7.10	2240	7.92	2284	8.00	2332	8.26	2466	8.36	2538	8.46	2604
20	5.08	2178	6.12	2236	6.92	2284	7.88	2324	7.98	2371	8.22	2500	8.18	2573	8.28	2643
22	4.90	2217	5.94	2279	6.74	2327	7.70	2363	7.79	2410	7.90	2535	8.07	2608	8.10	2683
24	4.71	2256	5.75	2323	6.55	2371	7.51	2403	7.61	2448	7.71	2569	7.81	2643	7.91	2722
26	4.53	2295	5.57	2366	6.37	2414	7.33	2442	7.42	2487	7.53	2603	7.62	2678	7.73	2761
28	4.34	2334	5.38	2410	6.18	2458	7.14	2482	7.24	2526	7.34	2638	7.44	2713	7.54	2800
30	4.16	2373	5.20	2453	6.00	2501	6.96	2521	7.06	2565	7.16	2672	7.26	2747	7.36	2839

Compact Cassette type

ACT-18UR4RCC8 & AUW-18U4RS7

INDOOR DB(°C)	OUTDOOR WB(°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	4.84	1245	5.99	1275	6.05	1311	6.12	1342	6.19	1435	6.25	1480	6.33	1510
12	4.71	1272	5.69	1302	5.92	1335	5.99	1366	6.06	1456	6.13	1501	6.20	1534
14	4.59	1299	5.14	1328	5.80	1359	5.86	1390	5.93	1477	6.00	1523	6.07	1558
16	4.46	1325	5.01	1355	5.67	1384	5.74	1414	5.81	1500	5.87	1544	5.95	1582
18	4.33	1352	4.88	1381	5.45	1409	5.50	1438	5.68	1521	5.75	1565	5.82	1606
20	4.21	1379	4.76	1408	5.42	1433	5.48	1462	5.65	1542	5.62	1587	5.69	1630
22	4.08	1406	4.63	1435	5.29	1457	5.36	1486	5.43	1563	5.55	1608	5.57	1654
24	3.95	1432	4.50	1462	5.16	1482	5.23	1510	5.30	1584	5.37	1630	5.44	1678
26	3.83	1459	4.38	1489	5.04	1506	5.10	1534	5.18	1605	5.24	1651	5.31	1703
28	3.70	1486	4.25	1516	4.91	1530	4.98	1558	5.05	1627	5.12	1673	5.19	1727
30	3.58	1513	4.13	1542	4.79	1555	4.85	1582	4.92	1648	4.99	1694	5.06	1751

4. CAPACITIES AND SELECTION DATA

Cassette type

ACT-24UR4RJC8 & AUW-24U4RJ7

INDOOR DB(°C)	OUTDOOR WB(°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	7.04	1809	8.71	1852	8.80	1904	8.90	1949	9.00	2085	9.10	2149	9.20	2193
12	6.86	1848	8.28	1891	8.62	1940	8.71	1984	8.82	2116	8.91	2181	9.02	2228
14	6.67	1887	7.47	1930	8.43	1975	8.53	2019	8.63	2146	8.73	2212	8.83	2264
16	6.49	1925	7.29	1968	8.25	2011	8.34	2054	8.45	2178	8.54	2242	8.65	2298
18	6.30	1964	7.10	2007	7.92	2046	8.00	2089	8.26	2209	8.36	2274	8.46	2333
20	6.12	2003	6.92	2046	7.88	2082	7.98	2124	8.22	2240	8.18	2305	8.28	2368
22	5.94	2042	6.74	2085	7.70	2117	7.79	2159	7.90	2271	8.07	2336	8.10	2403
24	5.75	2081	6.55	2124	7.51	2152	7.61	2193	7.71	2301	7.81	2367	7.91	2438
26	5.57	2120	6.37	2163	7.33	2188	7.42	2228	7.53	2332	7.62	2399	7.73	2473
28	5.38	2159	6.18	2202	7.14	2223	7.24	2263	7.34	2363	7.44	2430	7.54	2508
30	5.20	2198	6.00	2241	6.96	2259	7.06	2298	7.16	2394	7.26	2461	7.36	2544

AUC-36UR4RKC8 & AUW-36U4RK7

INDOOR DB(°C)	OUTDOOR WB(°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	9.68	2490	11.98	2549	12.10	2622	12.23	2684	12.38	2871	12.51	2959	12.65	3019
12	9.43	2544	11.39	2603	11.85	2670	11.98	2731	12.12	2913	12.25	3002	12.40	3068
14	9.17	2598	10.27	2657	11.59	2719	11.73	2779	11.87	2955	12.00	3046	12.14	3117
16	8.92	2650	10.02	2709	11.34	2768	11.47	2828	11.62	2999	11.75	3087	11.89	3163
18	8.67	2704	9.77	2763	10.89	2817	11.00	2876	11.36	3041	11.50	3130	11.64	3212
20	8.42	2757	9.52	2817	10.84	2866	10.97	2924	11.31	3084	11.24	3173	11.39	3260
22	8.16	2811	9.26	2870	10.58	2915	10.71	2972	10.86	3126	11.10	3216	11.13	3308
24	7.91	2865	9.01	2924	10.33	2963	10.46	3020	10.60	3168	10.74	3259	10.88	3357
26	7.66	2918	8.76	2978	10.08	3012	10.21	3068	10.35	3211	10.48	3302	10.63	3405
28	7.40	2972	8.50	3031	9.82	3061	9.96	3116	10.10	3253	10.23	3345	10.37	3453
30	7.15	3026	8.25	3085	9.57	3109	9.70	3164	9.85	3295	9.98	3389	10.12	3502

Ceiling & Floor type

AVT-24UR4RB8 & AUW-24U4RJ7

INDOOR DB(°C)	OUTDOOR WB(°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	7.04	1809	8.71	1852	8.80	1904	8.90	1949	9.00	2085	9.10	2149	9.20	2193
12	6.86	1848	8.28	1891	8.62	1940	8.71	1984	8.82	2116	8.91	2181	9.02	2228
14	6.67	1887	7.47	1930	8.43	1975	8.53	2019	8.63	2146	8.73	2212	8.83	2264
16	6.49	1925	7.29	1968	8.25	2011	8.34	2054	8.45	2178	8.54	2242	8.65	2298
18	6.30	1964	7.10	2007	7.92	2046	8.00	2089	8.26	2209	8.36	2274	8.46	2333
20	6.12	2003	6.92	2046	7.88	2082	7.98	2124	8.22	2240	8.18	2305	8.28	2368
22	5.94	2042	6.74	2085	7.70	2117	7.79	2159	7.90	2271	8.07	2336	8.10	2403
24	5.75	2081	6.55	2124	7.51	2152	7.61	2193	7.71	2301	7.81	2367	7.91	2438
26	5.57	2120	6.37	2163	7.33	2188	7.42	2228	7.53	2332	7.62	2399	7.73	2473
28	5.38	2159	6.18	2202	7.14	2223	7.24	2263	7.34	2363	7.44	2430	7.54	2508
30	5.20	2198	6.00	2241	6.96	2259	7.06	2298	7.16	2394	7.26	2461	7.36	2544

AUV-36UR4RC8 & AUW-36U4RK7

INDOOR DB(°C)	OUTDOOR WB(°C)													
	-10		-5		0		5		10		15		20	
	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
10	9.68	2725	11.98	2790	12.10	2870	12.23	2937	12.38	3142	12.51	3239	12.65	3305
12	9.43	2784	11.39	2849	11.85	2923	11.98	2990	12.12	3188	12.25	3286	12.40	3358
14	9.17	2843	10.27	2908	11.59	2976	11.73	3042	11.87	3234	12.00	3334	12.14	3411
16	8.92	2901	10.02	2965	11.34	3030	11.47	3095	11.62	3283	11.75	3379	11.89	3463
18	8.67	2960	9.77	3024	10.89	3084	11.00	3148	11.36	3329	11.50	3426	11.64	3516
20	8.42	3018	9.52	3083	10.84	3137	10.97	3200	11.31	3375	11.24	3474	11.39	3568
22	8.16	3077	9.26	3142	10.58	3190	10.71	3253	10.86	3422	11.10	3521	11.13	3621
24	7.91	3136	9.01	3200	10.33	3244	10.46	3305	10.60	3468	10.74	3568	10.88	3674
26	7.66	3194	8.76	3259	10.08	3297	10.21	3358	10.35	3514	10.48	3615	10.63	3727
28	7.40	3253	8.50	3318	9.82	3350	9.96	3411	10.10	3561	10.23	3662	10.37	3780
30	7.15	3312	8.25	3377	9.57	3404	9.70	3463	9.85	3607	9.98	3709	10.12	3833

4. CAPACITIES AND SELECTION DATA

Remarks:

Q: Total Heating / Cooling Capacity (Gross) **kW**

INPUT: Power Input (including the compressor, evap. fan motor & cond. **W**

DB: Dry Bulb Temperature

WB: Wet Bulb Temperature

SHC: Sensible Heat Capacity

SHF: Sensible Heat Factor

4. CAPACITIES AND SELECTION DATA

4.2 Piping length correction factor

The correction factor is based on the equivalent piping length in meters (EL) and the height between outdoor and indoor units in meters (H).

H:

Height difference between indoor unit and outdoor unit (m).

- H>0: Position of outdoor unit is higher than that of the indoor unit (m).
- H<0: Position of outdoor unit is lower than that of the indoor unit (m).

L:

Actual one-way piping length between indoor unit and outdoor unit (m).

EL:

Equivalent one-way piping length between indoor unit and outdoor unit (m).

Gas Diameter (mm/inch)	9.52 (3/8')	12.7 (1/2')	15.88 (5/8')	19.05 (3/4')	22.22 (7/8')
90° Elbow	0.15	0.20	0.25	0.35	0.40

Cooling

EL Model	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	65m	70m	75m
9/12	1.00	0.96	0.92	0.88	0.84	0.80	--	--	--	--	--	--	--	--	--
18	1.00	0.96	0.94	0.91	0.89	0.85	0.83	0.80	--	--	--	--	--	--	--
24	1.00	0.98	0.96	0.94	0.92	0.89	0.86	0.83	0.79	--	--	--	--	--	--
36	1.00	0.94	0.92	0.90	0.88	0.84	0.82	0.79	0.76	0.73	--	--	--	--	--
48	1.00	0.98	0.96	0.94	0.92	0.90	0.87	0.84	0.81	0.78	0.75	0.72	--	--	--
60~85	1.00	0.98	0.96	0.94	0.92	0.90	0.87	0.84	0.81	0.78	0.75	0.72	0.69	0.66	0.63

Heating

EL Model	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	65m	70m	75m
9/12	1.00	0.97	0.94	0.90	0.87	0.84	--	--	--	--	--	--	--	--	--
18	1.00	0.96	0.94	0.91	0.89	0.85	0.83	0.80	--	--	--	--	--	--	--
24	1.00	0.98	0.96	0.94	0.92	0.89	0.86	0.83	0.79	--	--	--	--	--	--
36	1.00	0.99	0.98	0.97	0.95	0.93	0.91	0.89	0.87	0.85	--	--	--	--	--
48	1.00	0.99	0.97	0.95	0.93	0.91	0.88	0.86	0.83	0.80	0.77	0.74	--	--	--
60~85	1.00	0.99	0.97	0.93	0.93	0.91	0.88	0.86	0.83	0.80	0.77	0.74	0.70	0.66	0.62

4. CAPACITIES AND SELECTION DATA

The correction factor of height between indoor unit and outdoor unit

Height difference	5m	10m	20m	30m
Factor	0.010	0.015	0.018	0.020

To ensure correct unit selection, consider the farthest indoor unit.

NOTE:

1. Above data is assuming that the height difference between indoor unit and outdoor unit is 0m.
2. Be sure to minimize length of connection pipes to optimize performance. If the outdoor unit is installed higher or lower than the indoor unit, it is necessary to apply height correction factor additionally to length correction factor to calculate cooling.

If outdoor unit is higher, correction should be applied to cooling capacity, if outdoor unit is lower, correction should be applied to heating capacity.

4. CAPACITIES AND SELECTION DATA

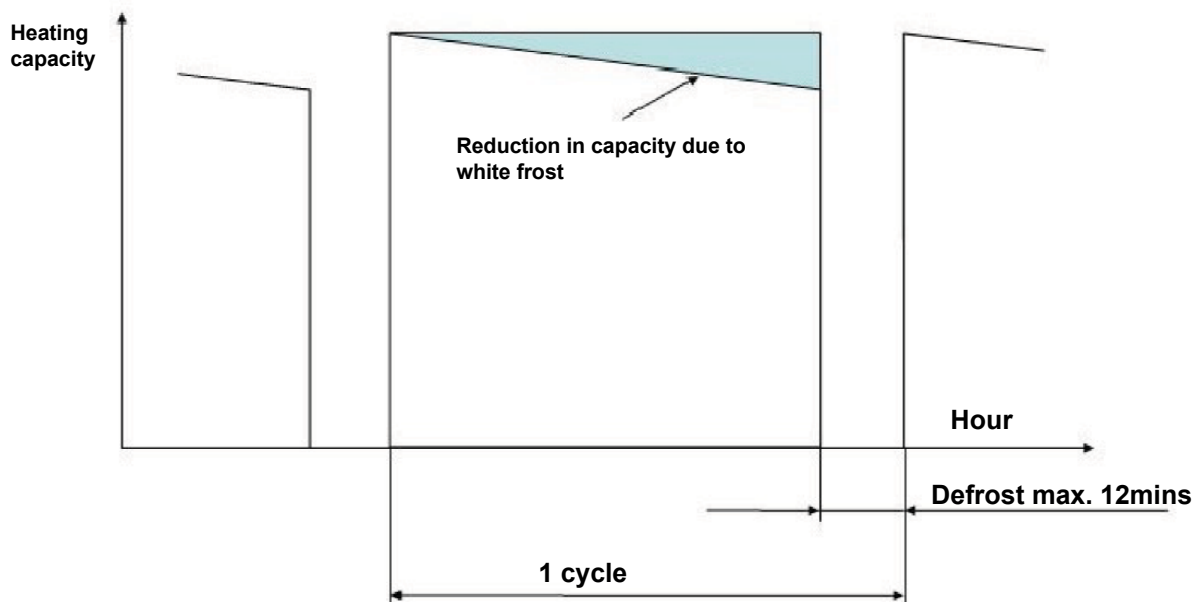
4.3 Correction factors according to defrosting operation

The heating capacity in the preceding paragraph, excludes the condition of defrosting operation period. In consideration of defrosting operation, the heating capacity is corrected by the equation below.

Corrected heating capacity = Defrost Correction factor x unit capacity

	OUTDOOR TEMPERATURE(°C DB)	-15	-10	-5	0	7	10	15
Model	9~36	0.95	0.95	0.91	0.81	1.0	1.0	1.0
	48	0.95	0.95	0.93	0.85	1.0	1.0	1.0
	60/85	0.95	0.95	0.93	0.81	1.0	1.0	1.0

Correction Factor



NOTE:

The correction factor is not valid for special conditions such as snowfall or operation in a transitional period.

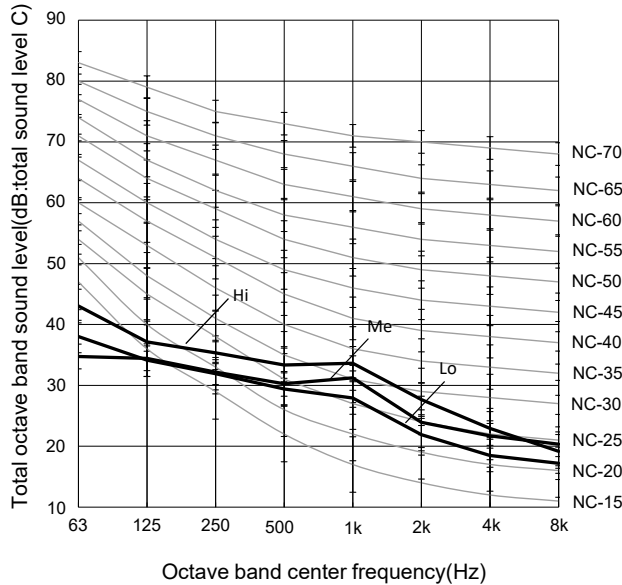
5. SOUND PRESSURE DATA

5. Sound pressure data

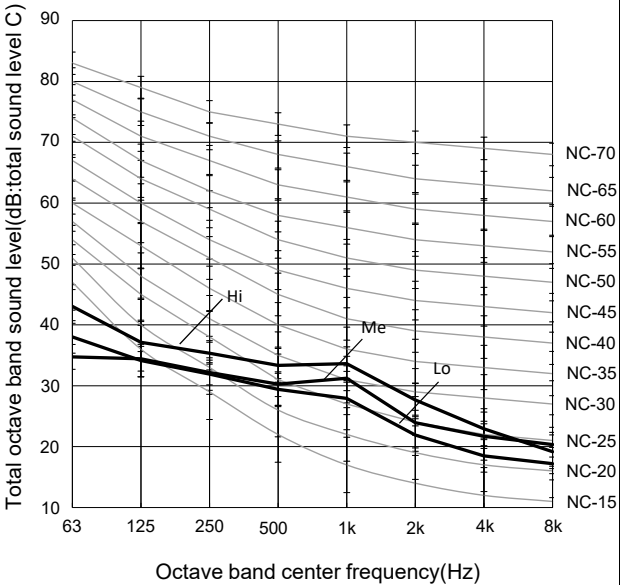
Indoor unit

Duct type

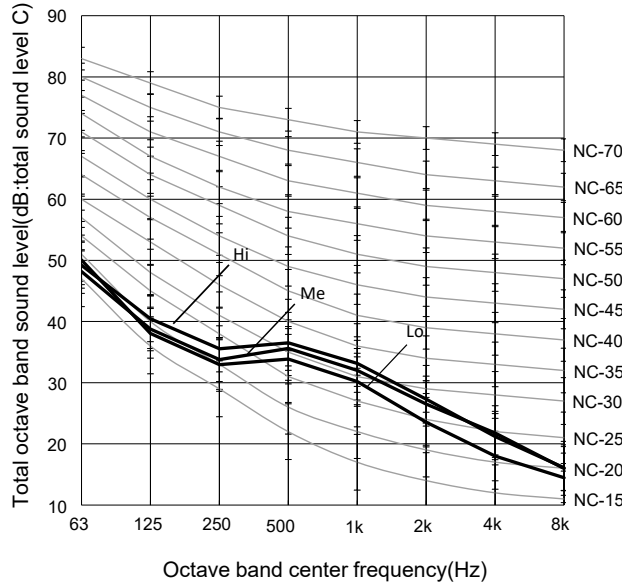
ADT-09UX4RBL8



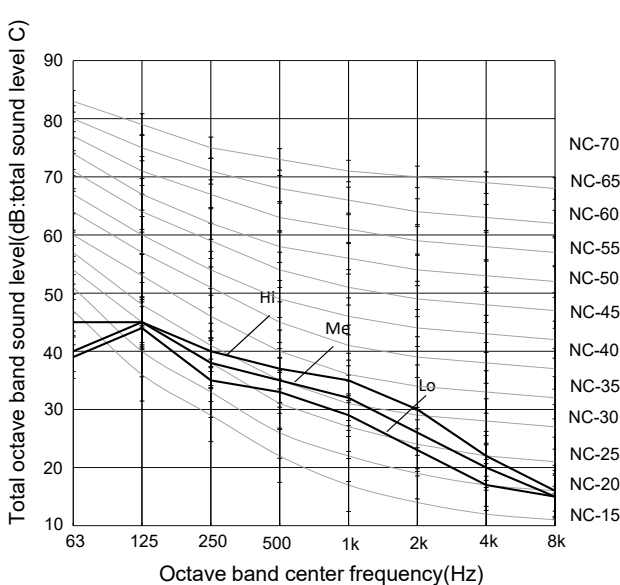
ADT-12UX4RBL8



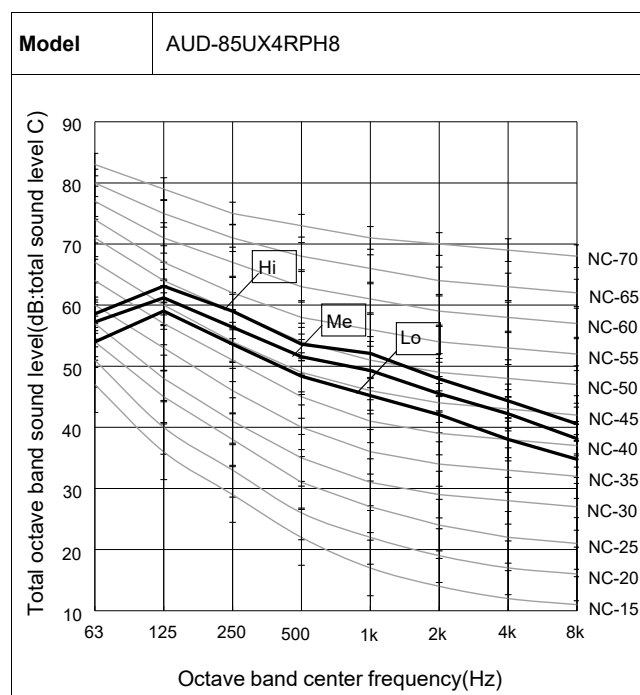
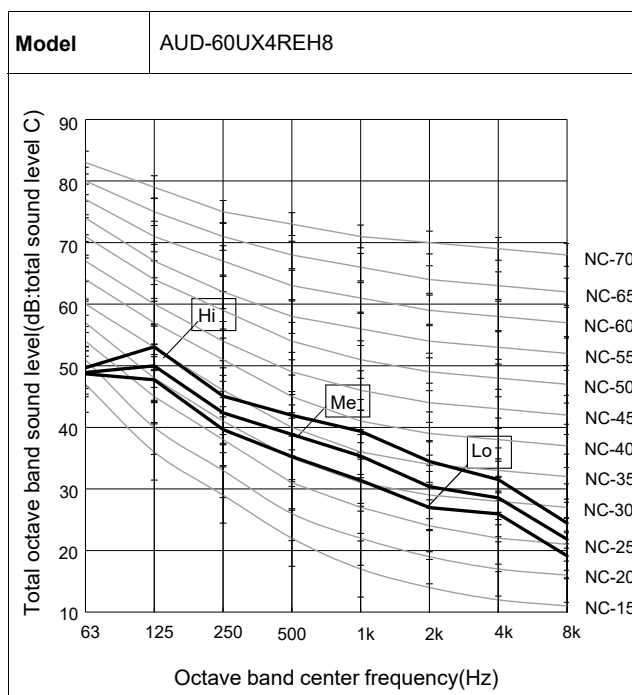
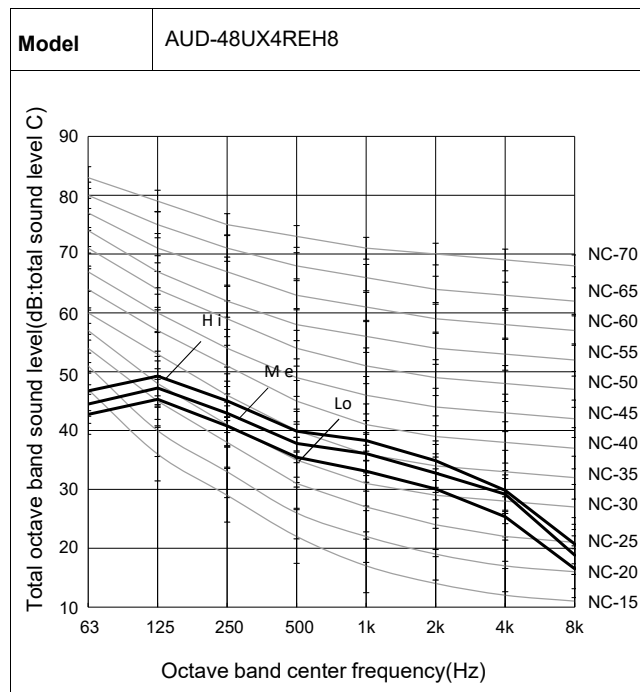
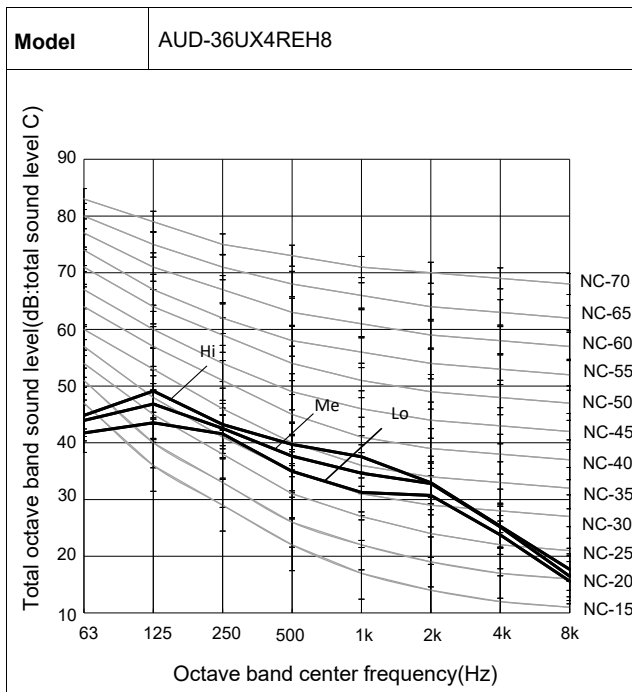
Model ADT-18UX4RCL8



Model AUD-24UX4RKFM8



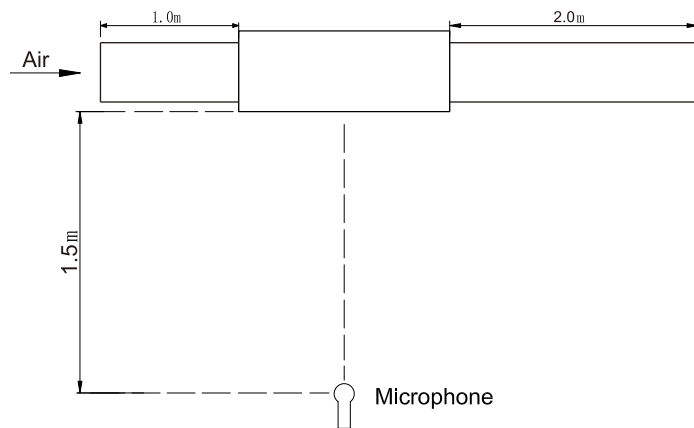
5. SOUND PRESSURE DATA



5. SOUND PRESSURE DATA

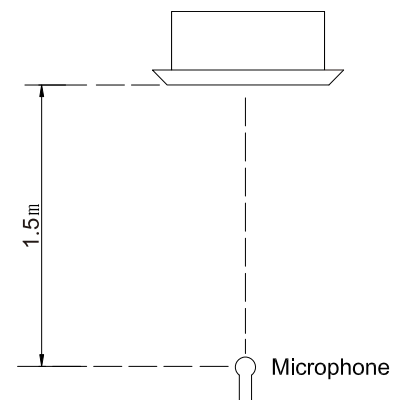
Duct type

Test condition Duct:

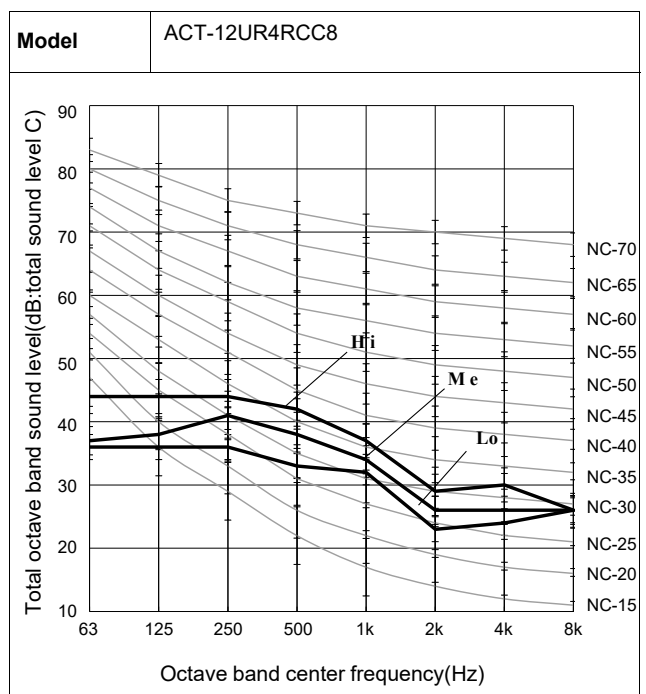
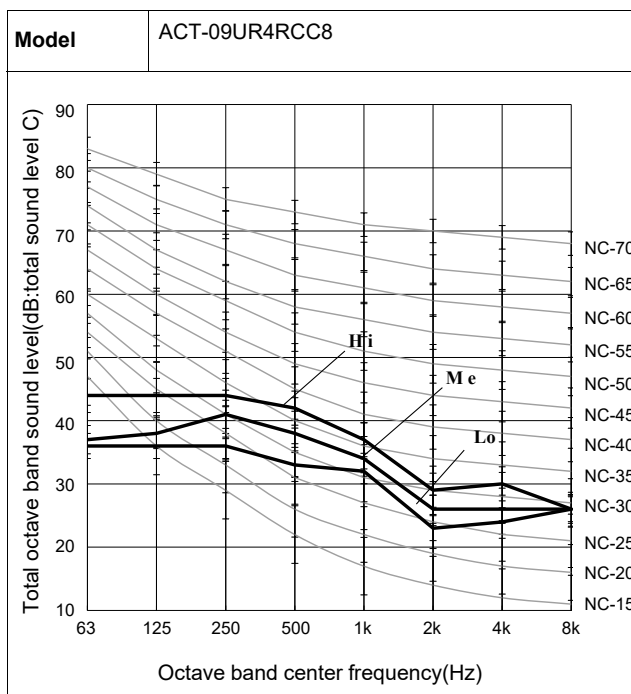


Cassette type

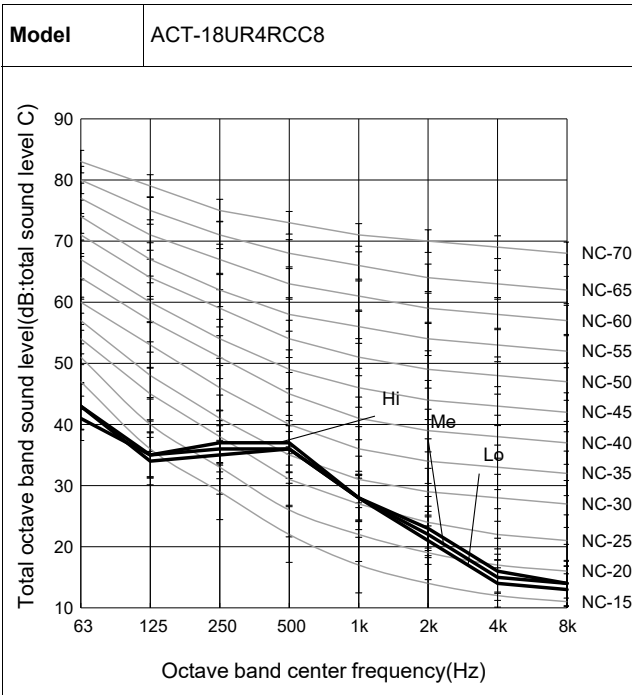
Test condition Cassette:



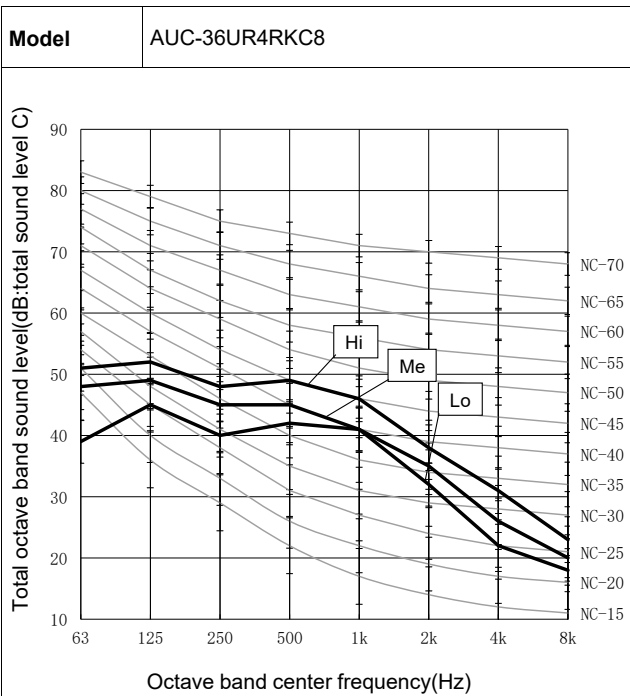
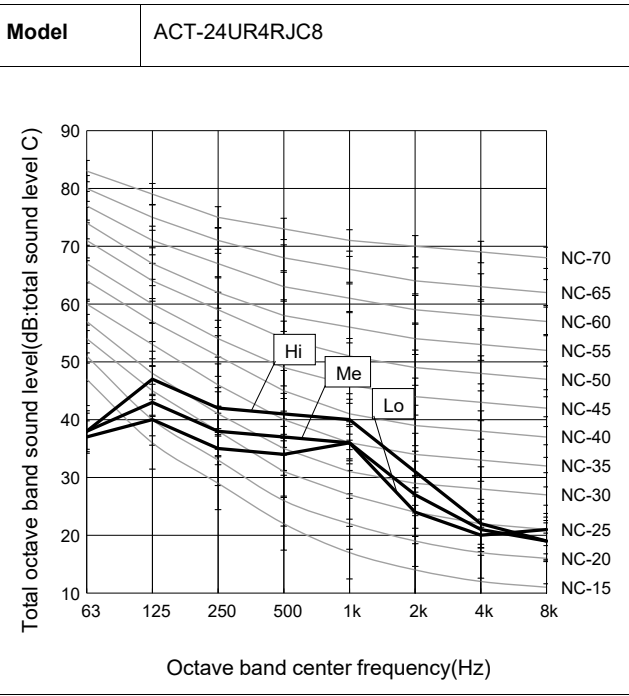
Compact Cassette type



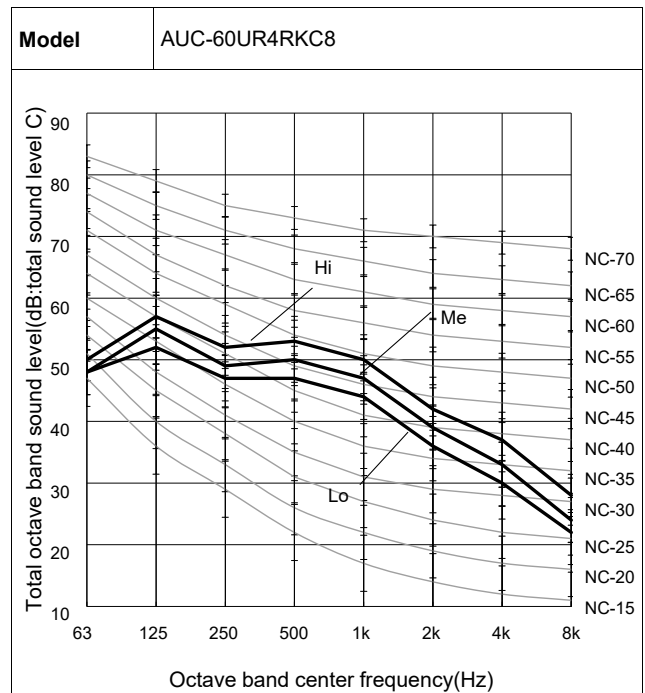
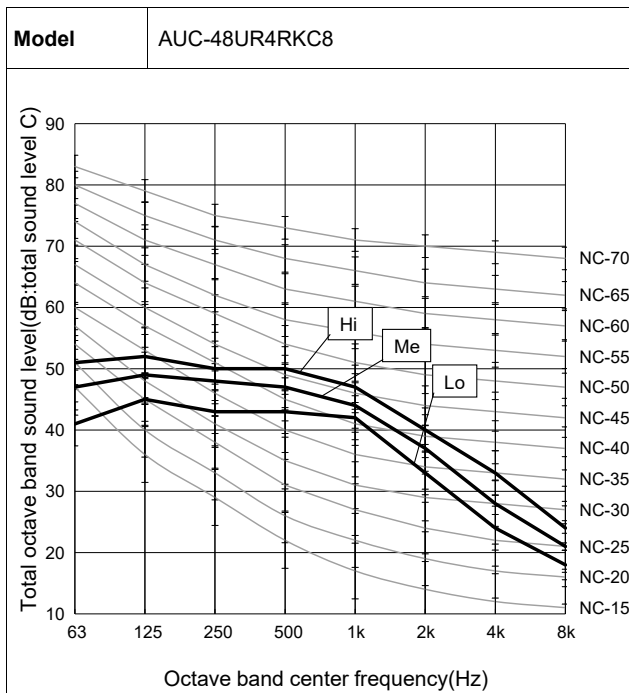
5. SOUND PRESSURE DATA



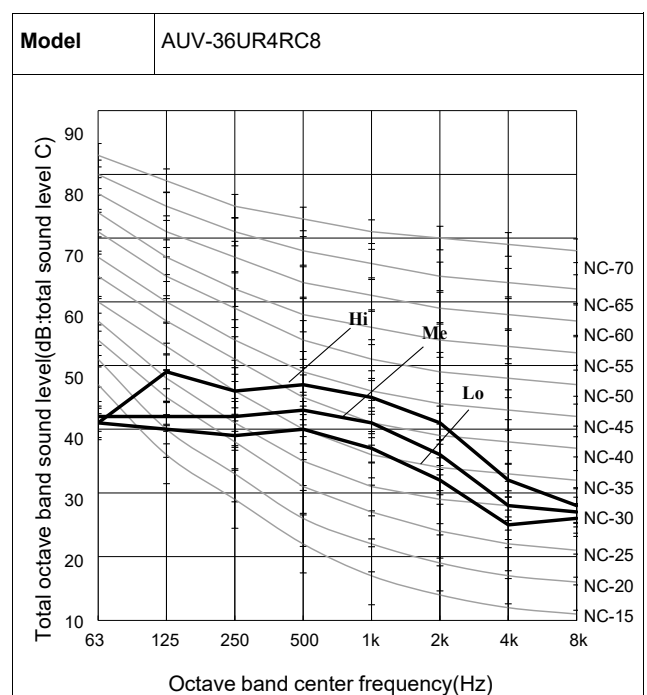
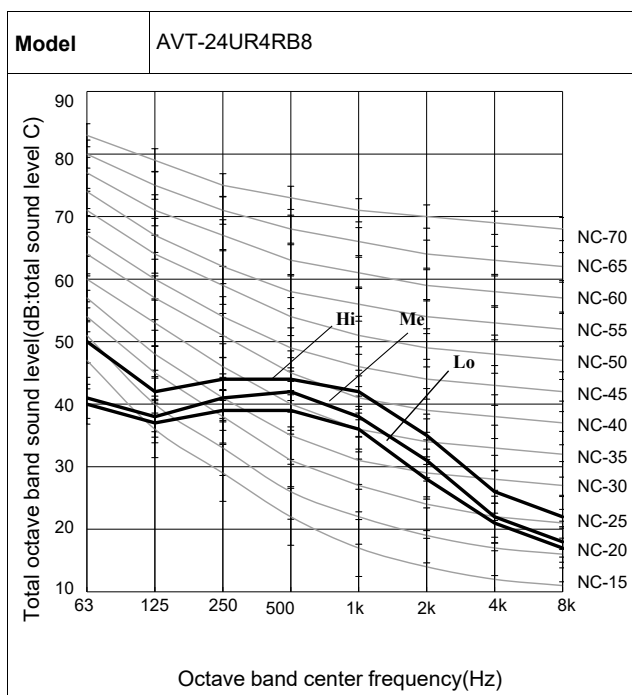
Cassette type



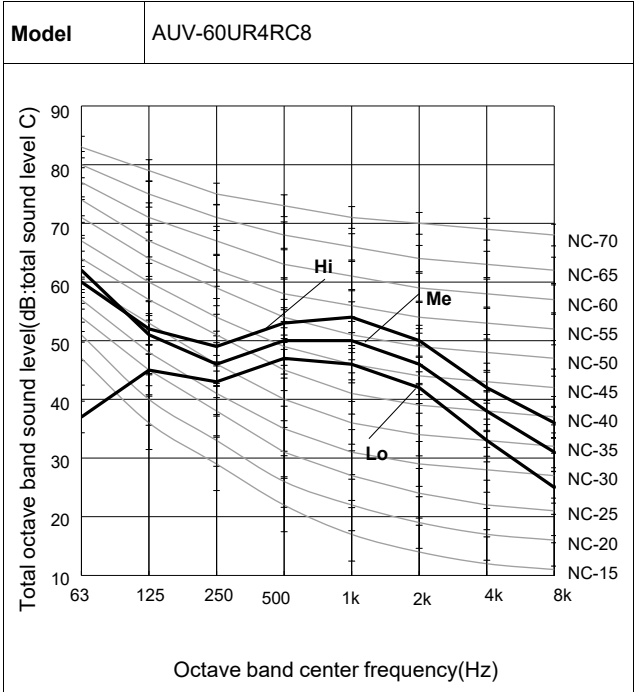
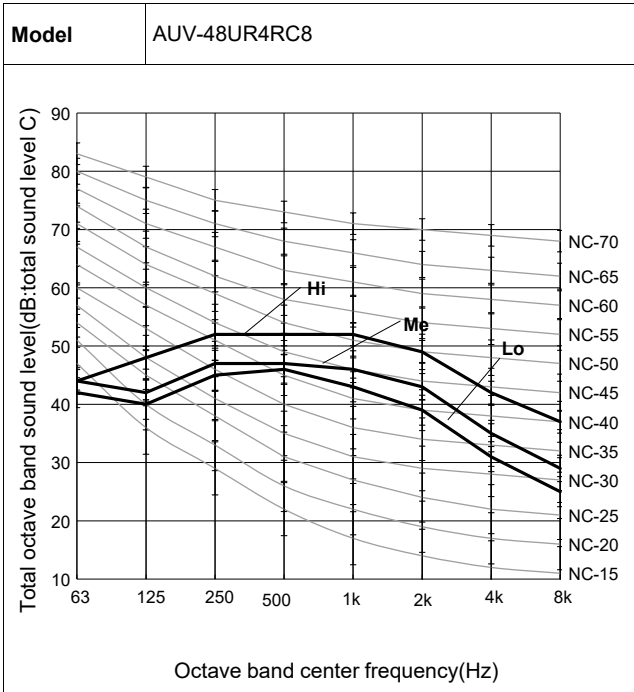
5. SOUND PRESSURE DATA



Ceiling & Floor type

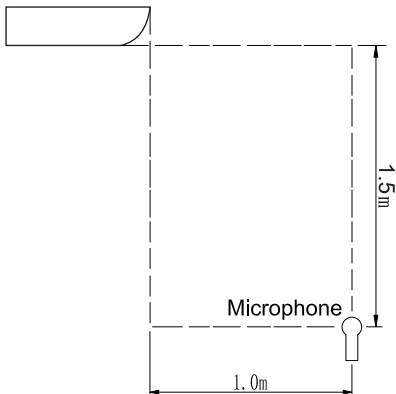


5. SOUND PRESSURE DATA



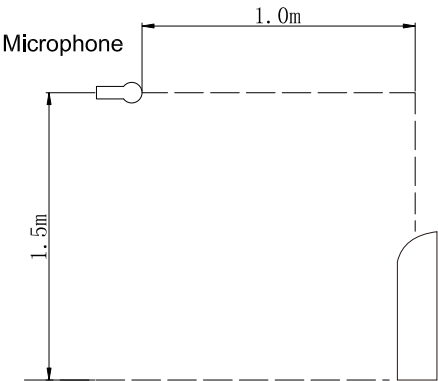
Ceiling & Floor type

Test condition Ceiling&Floor:



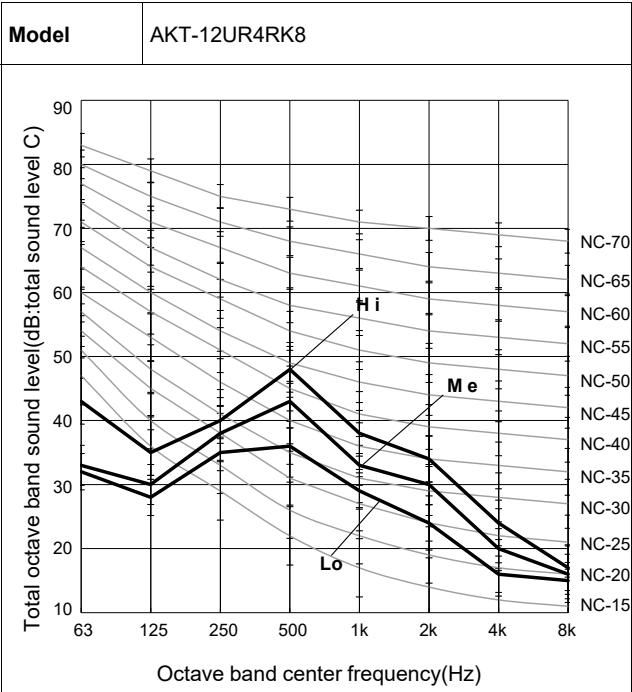
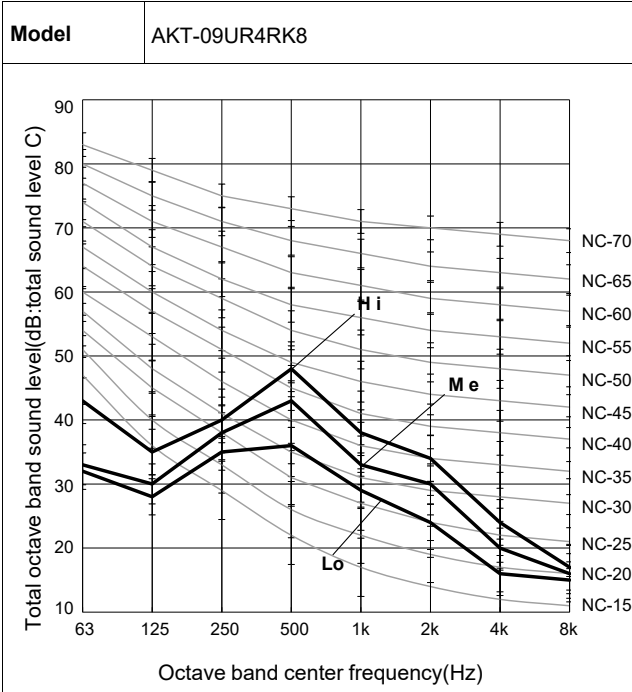
Console Type

Test condition Console:



5. SOUND PRESSURE DATA

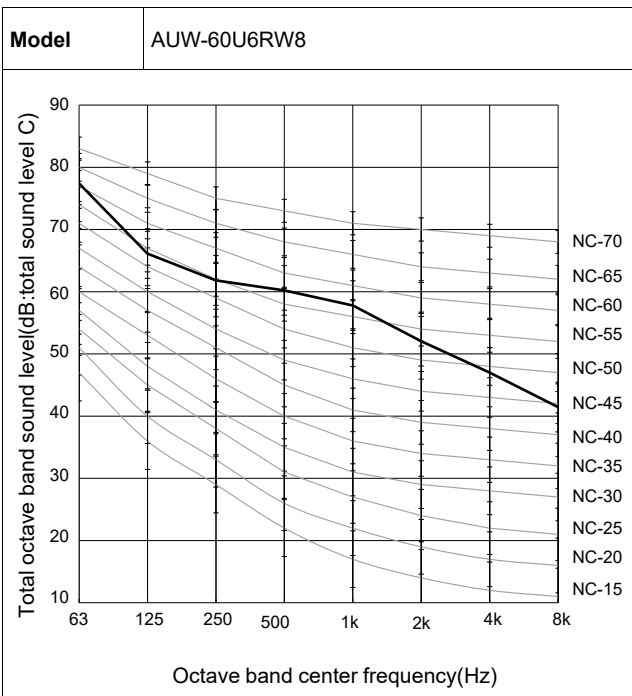
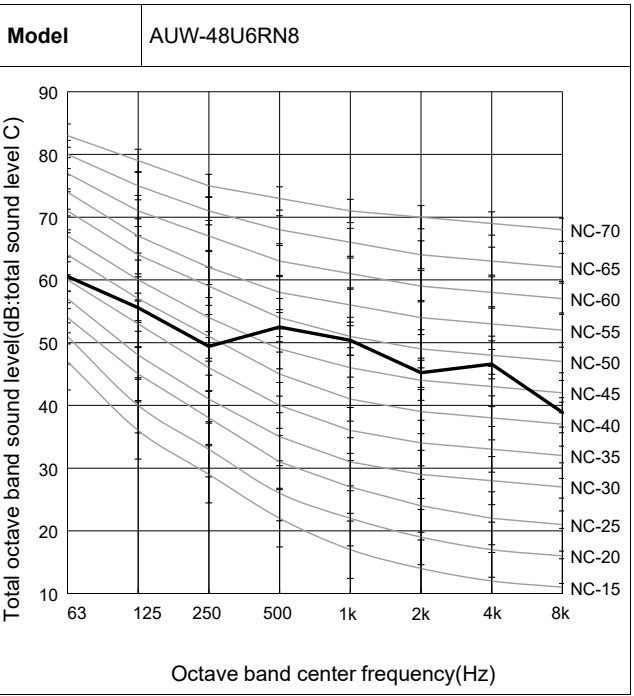
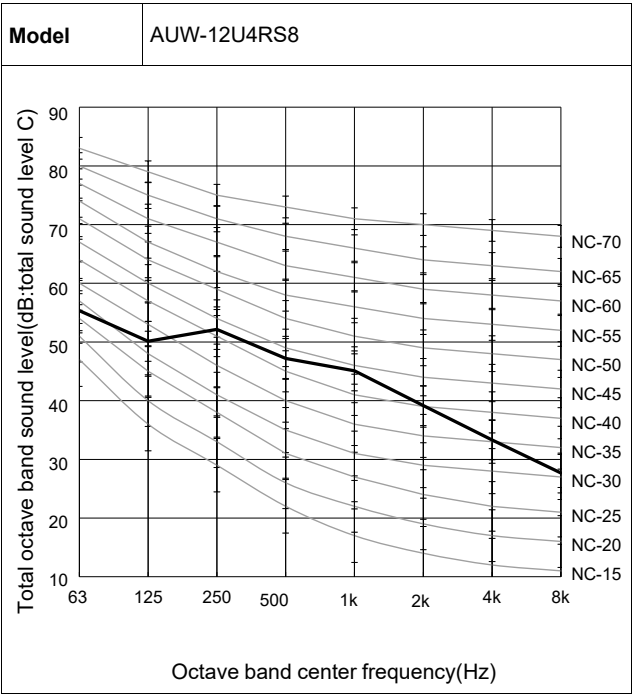
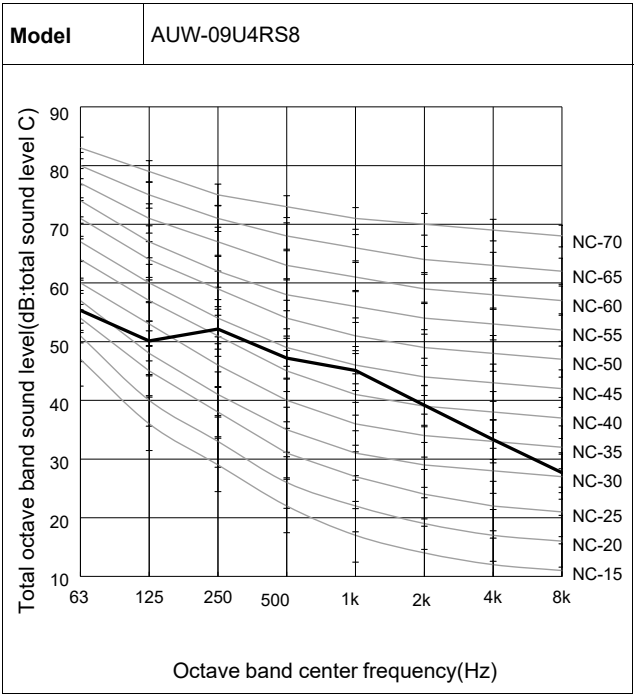
Console Type



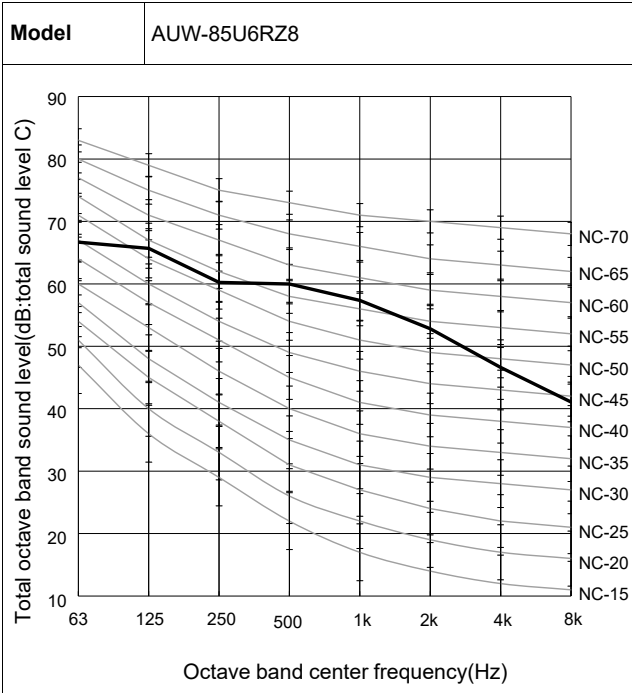
5. SOUND PRESSURE DATA

Outdoor unit

Turbo Inverter

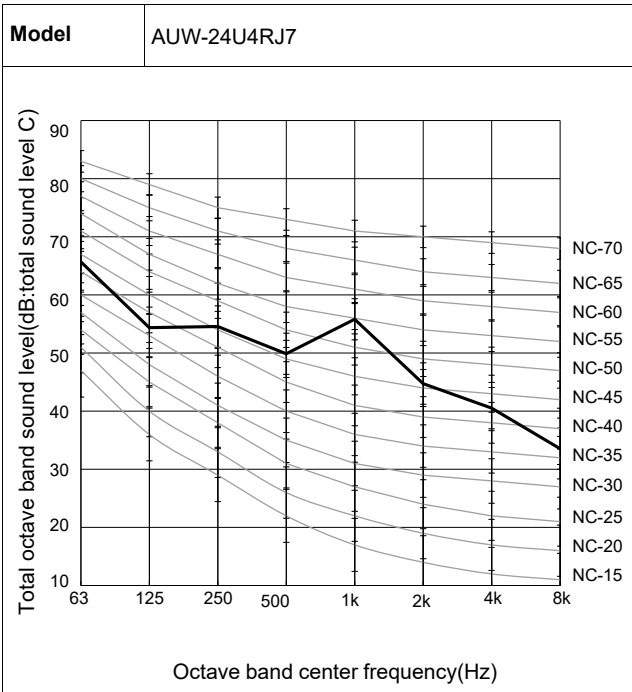
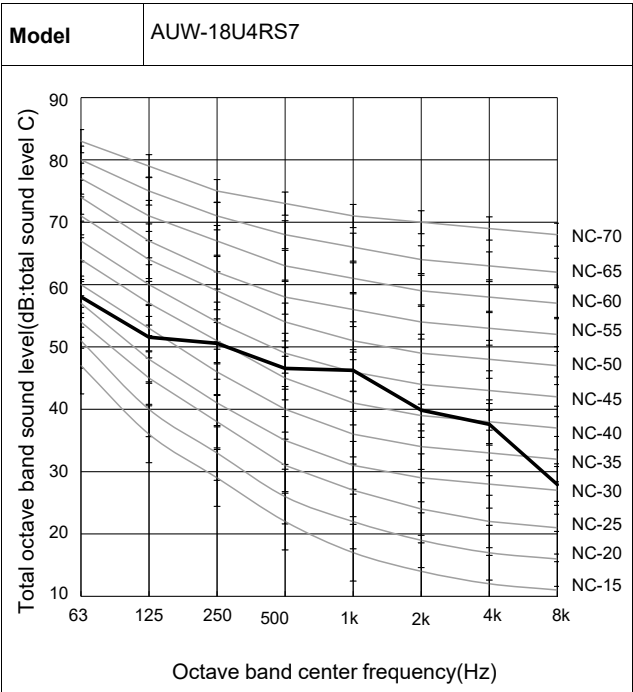


5. SOUND PRESSURE DATA

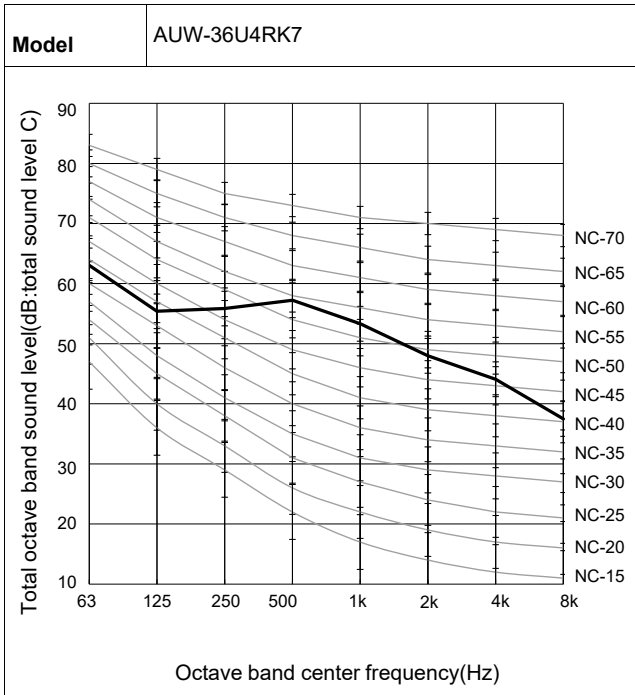


Outdoor unit

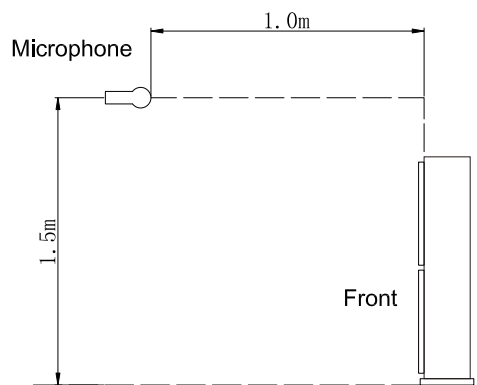
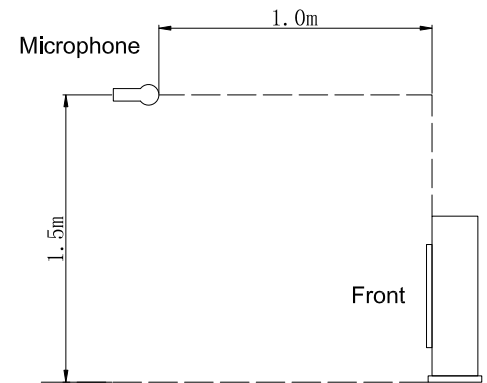
Super Inverter



5. SOUND PRESSURE DATA



Test condition Outdoor:



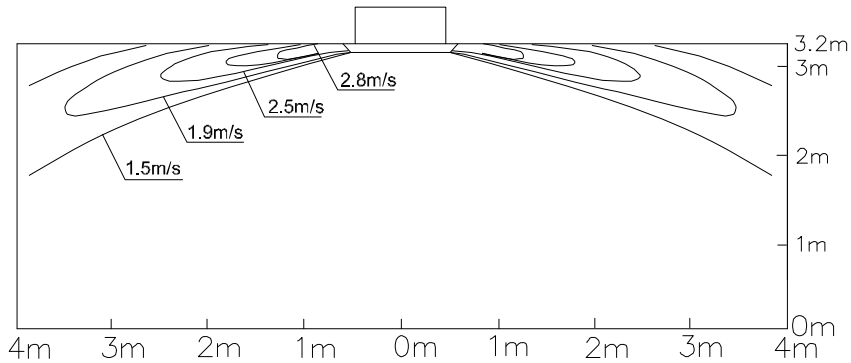
6. AIR FLOW DISTRIBUTION

6. AIR FLOW DISTRIBUTION

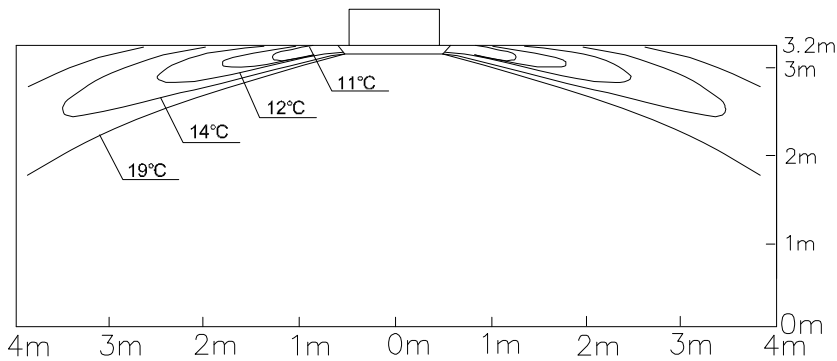
Compact Cassette type

ACT-12UR4RCC8

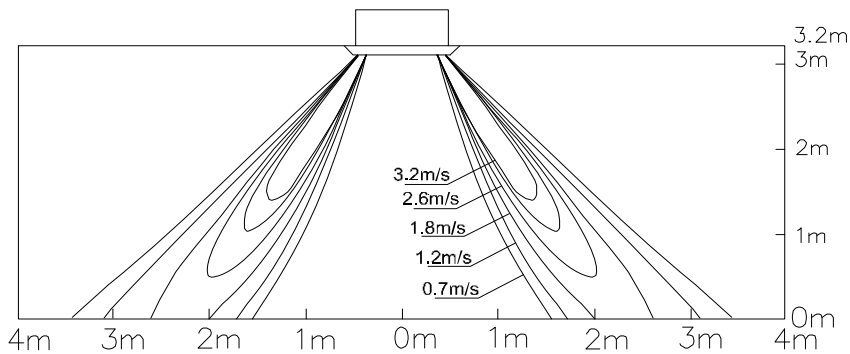
1) Cooling/Air Velocity Distribution



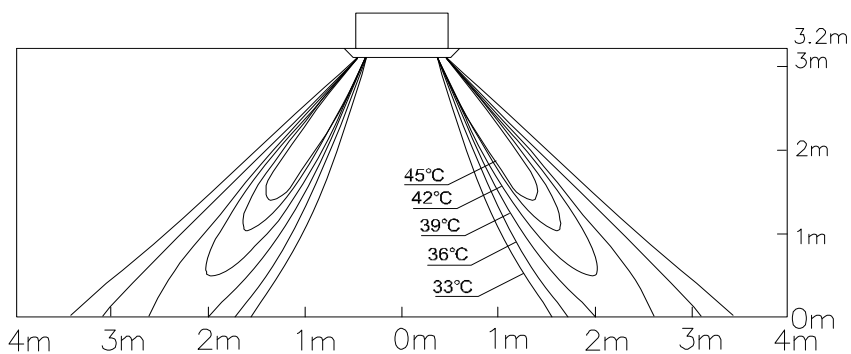
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



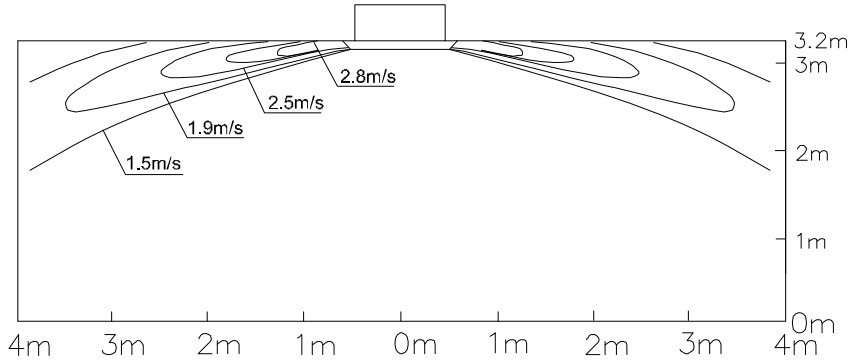
4) Heating/Air Temperature Distribution



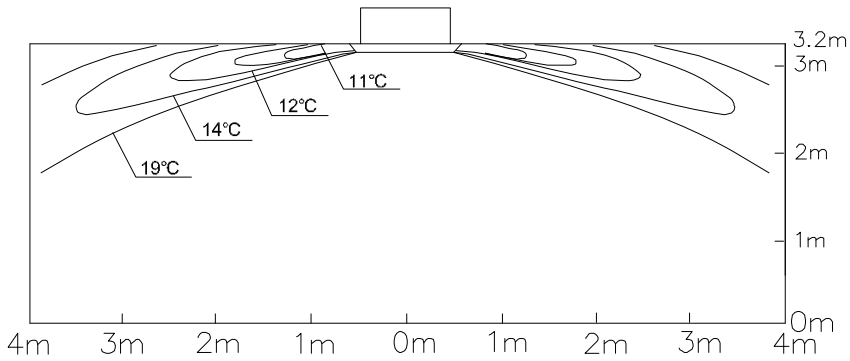
6. AIR FLOW DISTRIBUTION

ACT-18UR4RJCC8

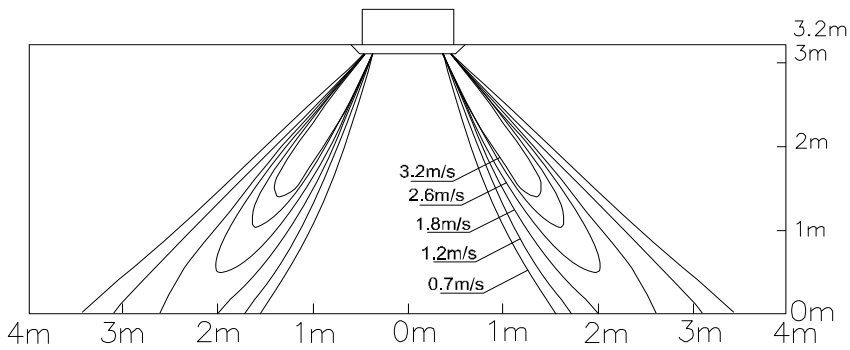
1) Cooling/Air Velocity Distribution



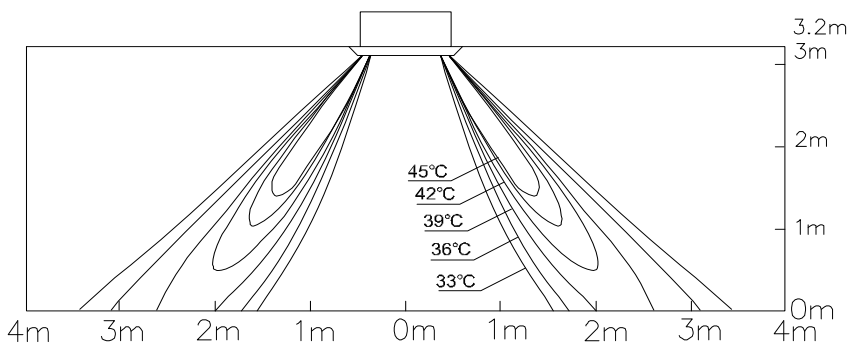
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



4) Heating/Air Temperature Distribution

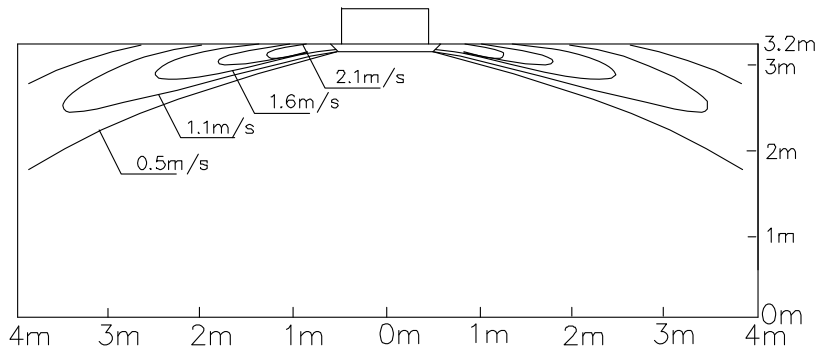


6. AIR FLOW DISTRIBUTION

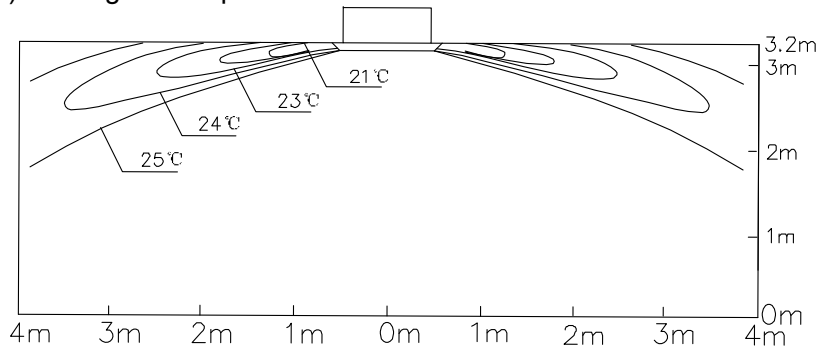
Cassette type

ACT-24UR4RKJC8

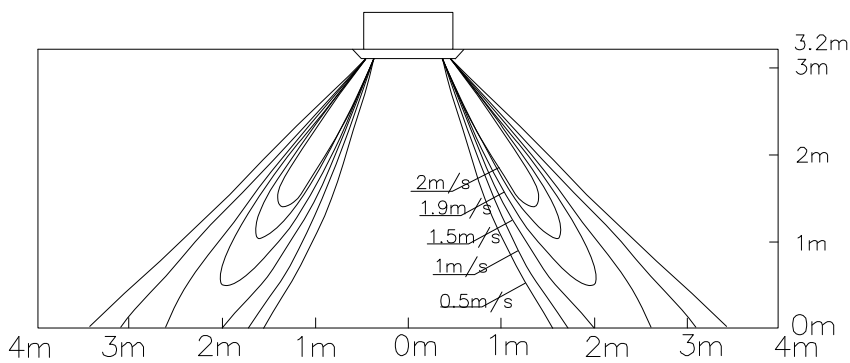
1) Cooling/Air Velocity Distribution



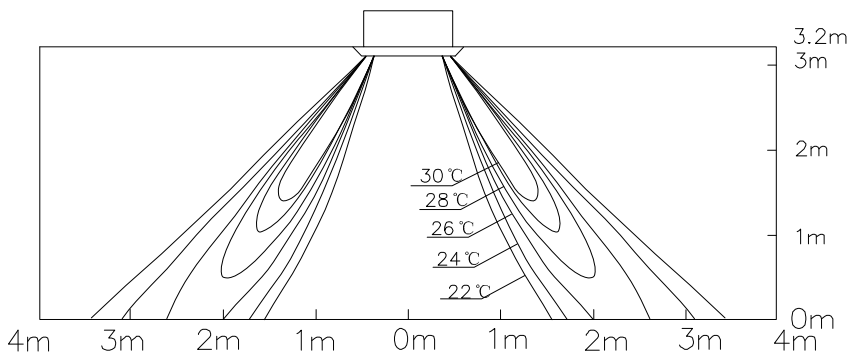
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



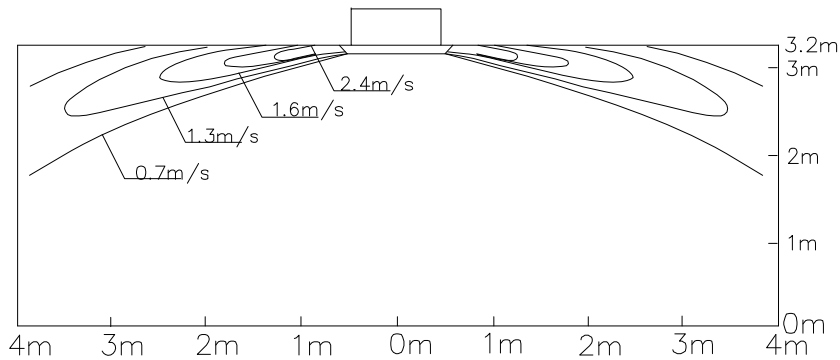
4) Heating/Air Temperature Distribution



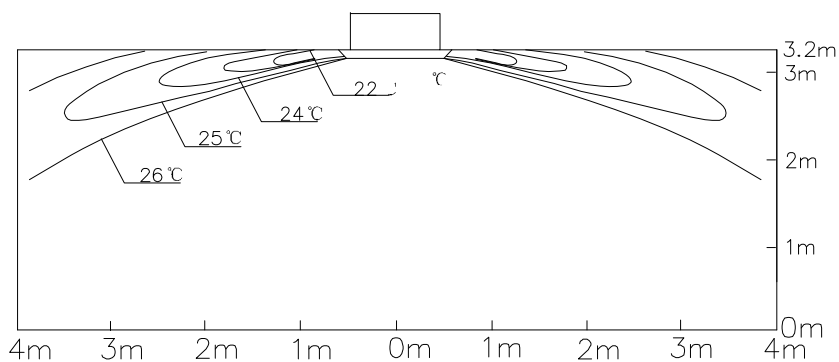
6. AIR FLOW DISTRIBUTION

AUC-36UR6RNKC8

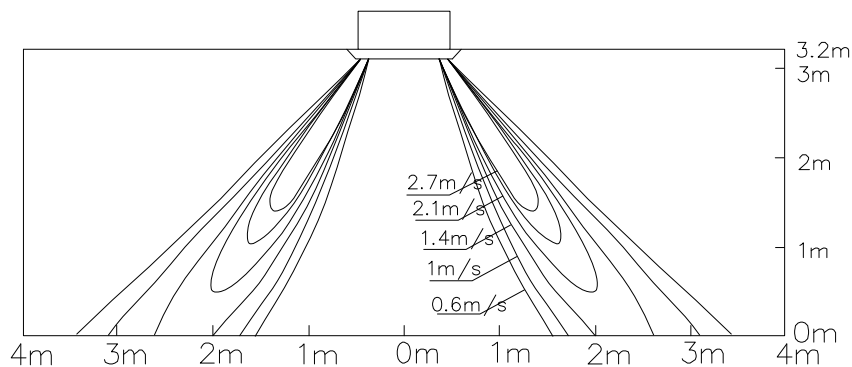
1) Cooling/Air Velocity Distribution



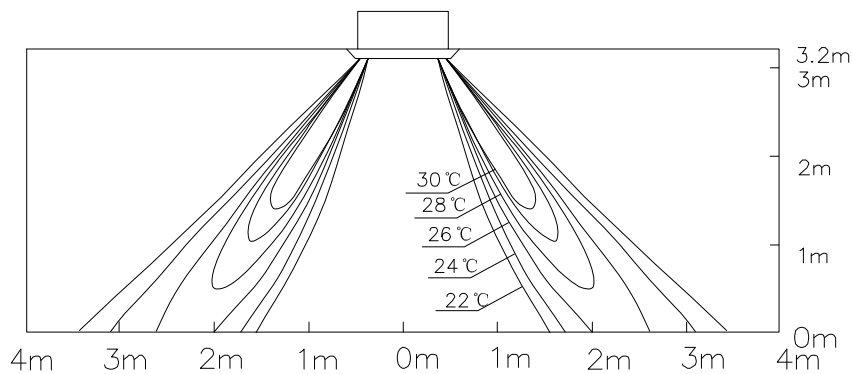
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



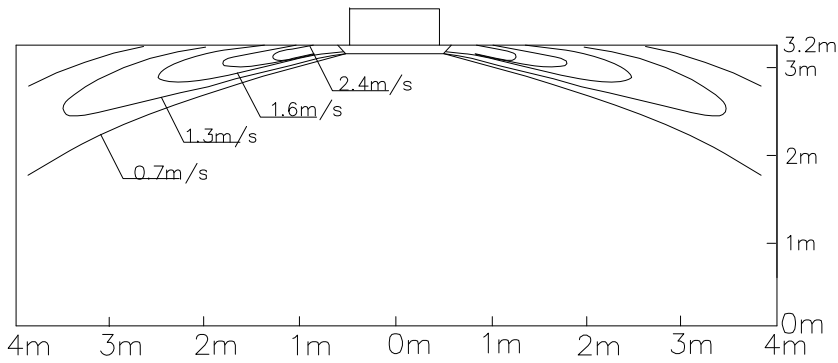
4) Heating/Air Temperature Distribution



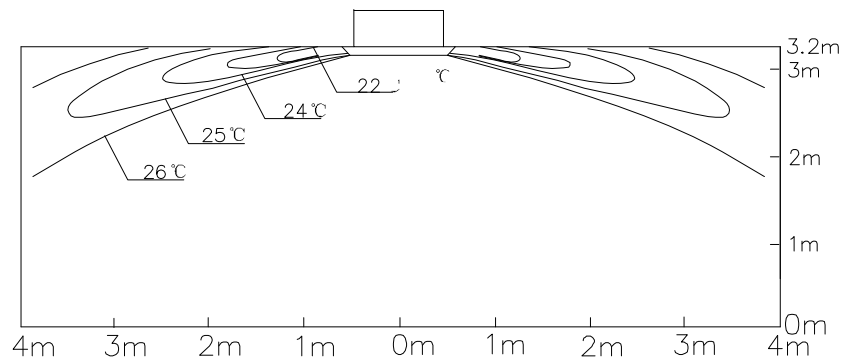
6. AIR FLOW DISTRIBUTION

AUC-48UR6RNKC8

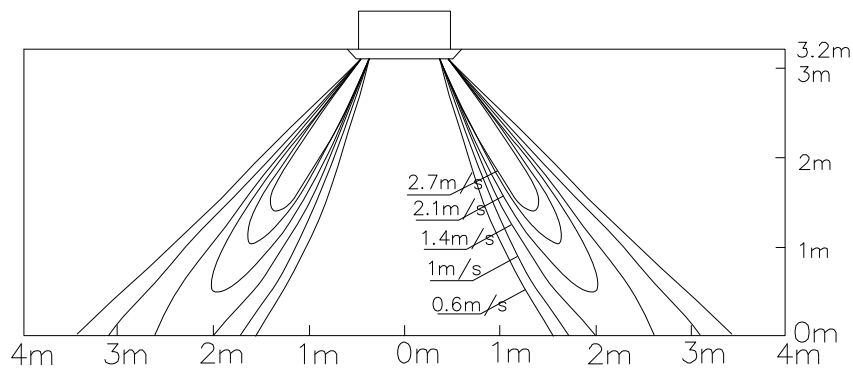
1) Cooling/Air Velocity Distribution



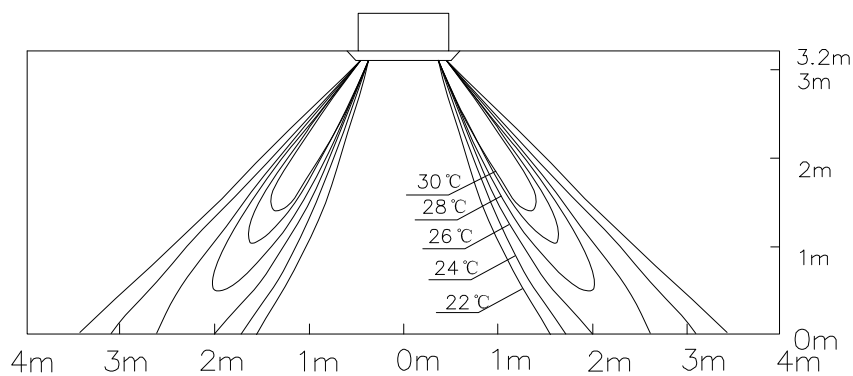
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



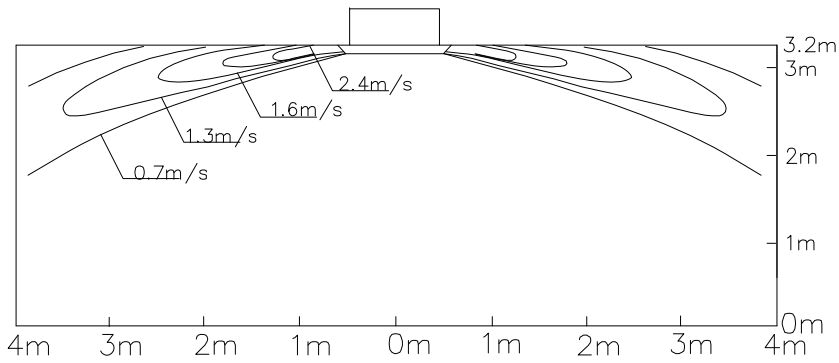
4) Heating/Air Temperature Distribution



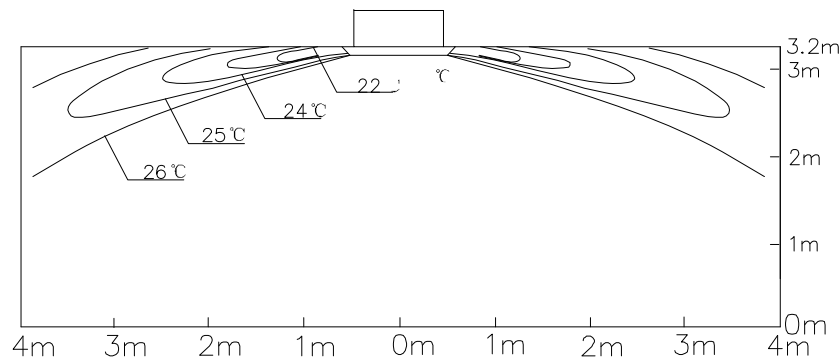
6. AIR FLOW DISTRIBUTION

AUC-60UR4RKC8

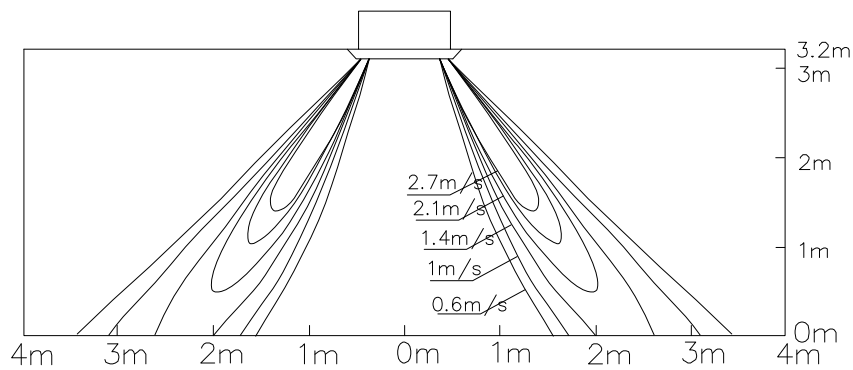
1) Cooling/Air Velocity Distribution



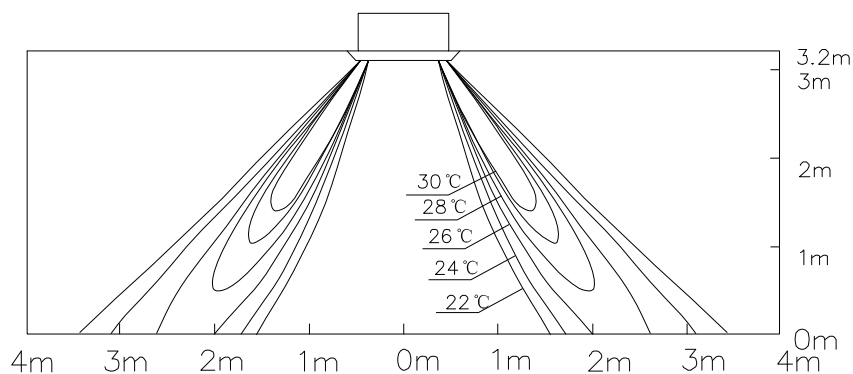
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



4) Heating/Air Temperature Distribution

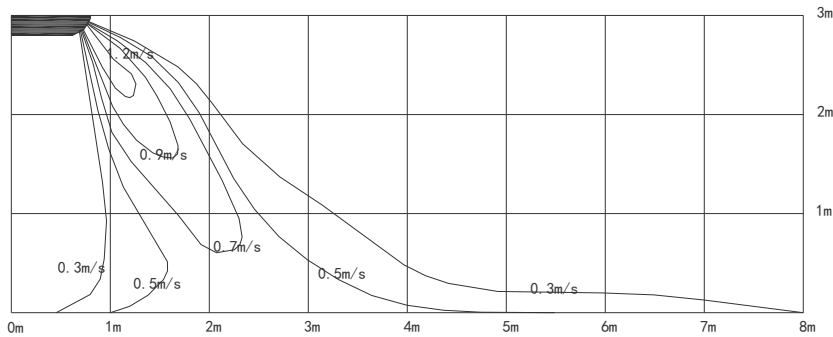


6. AIR FLOW DISTRIBUTION

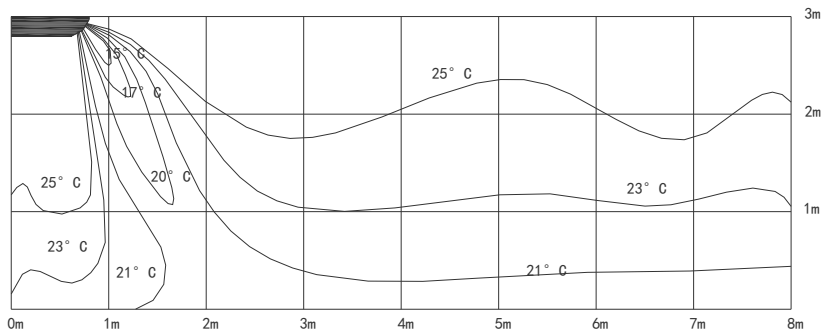
Ceiling & Floor type

AVT-24UR4RB8

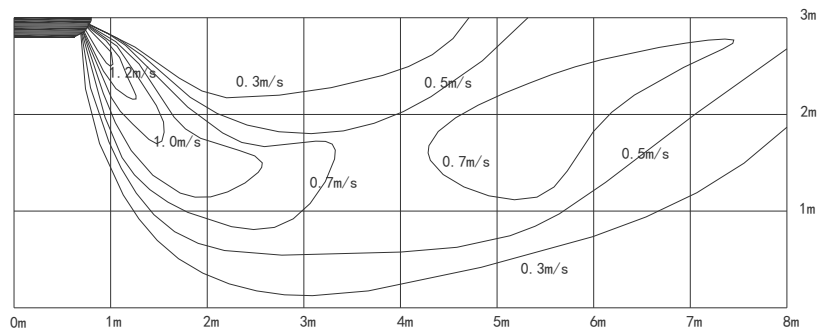
1) Ceiling installation/Cooling/Air Velocity Distribution



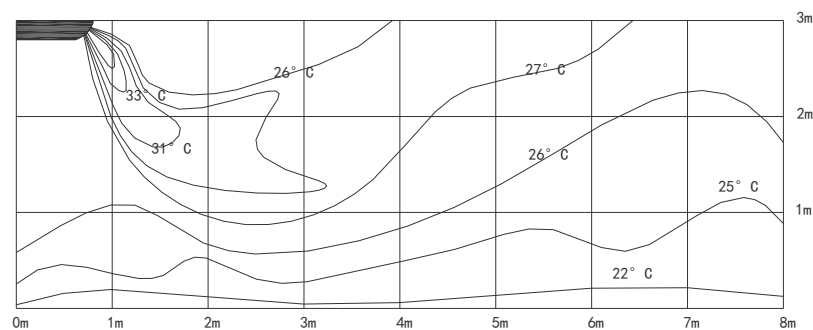
2) Ceiling installation/Cooling/Air Temperature Distribution



3) Ceiling installation/Heating/Air Velocity Distribution

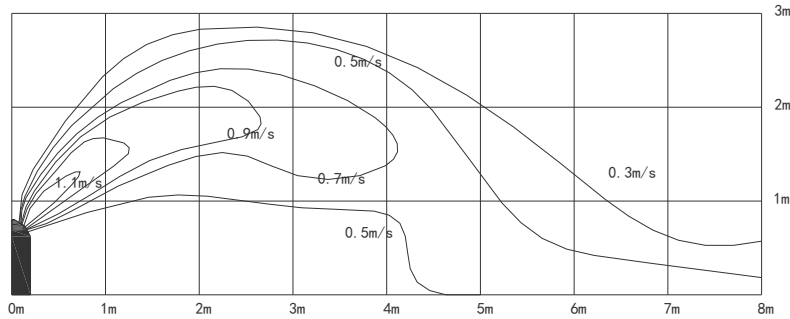


4) Ceiling installation/Heating/Air Temperature Distribution

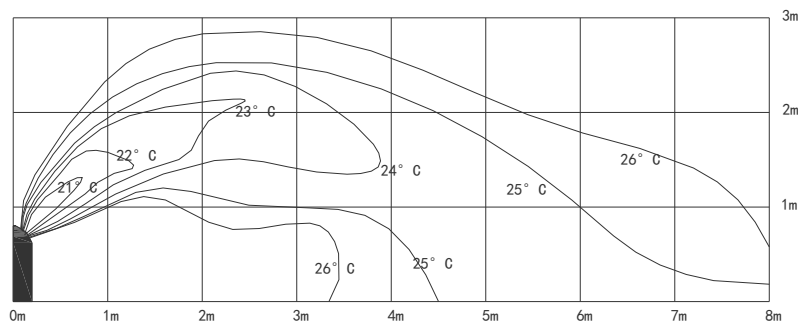


6. AIR FLOW DISTRIBUTION

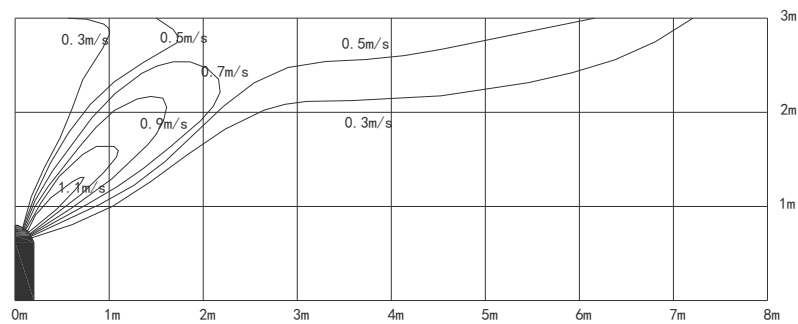
1) Floor installation/Cooling/Air Velocity Distribution



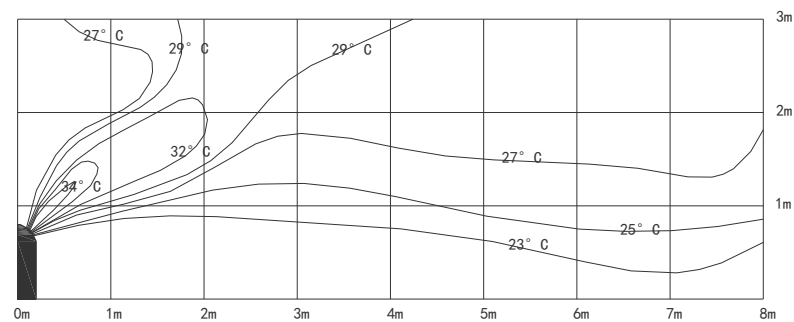
2) Floor installation/Cooling/Air Temperature Distribution



3) Floor installation/Heating/Air Velocity Distribution



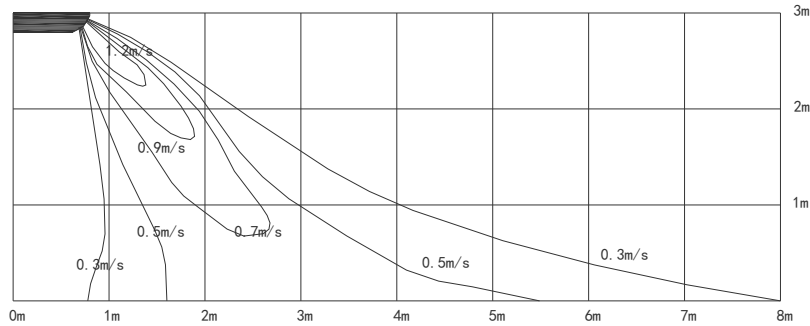
4) Floor installation/Heating/Air Temperature Distribution



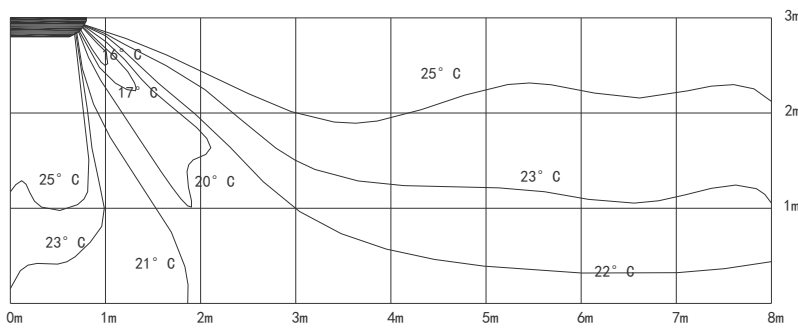
6. AIR FLOW DISTRIBUTION

AUV-36UR4RC8

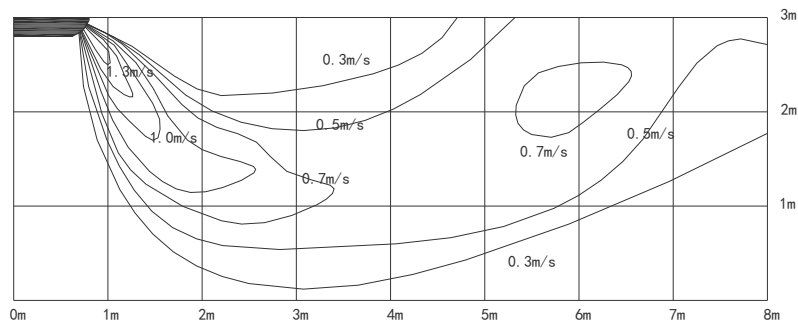
1) Ceiling installation/Cooling/Air Velocity Distribution



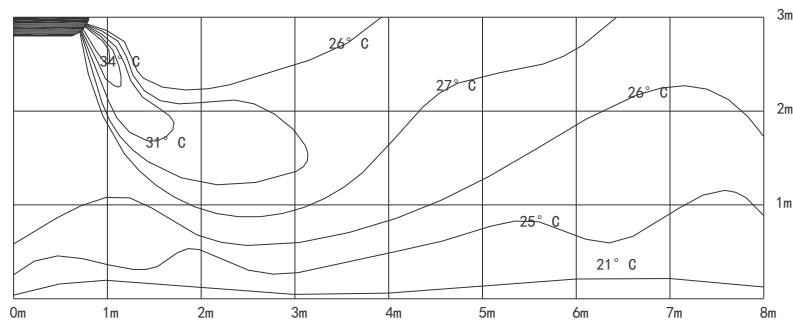
2) Ceiling installation/Cooling/Air Temperature Distribution



3) Ceiling installation/Heating/Air Velocity Distribution

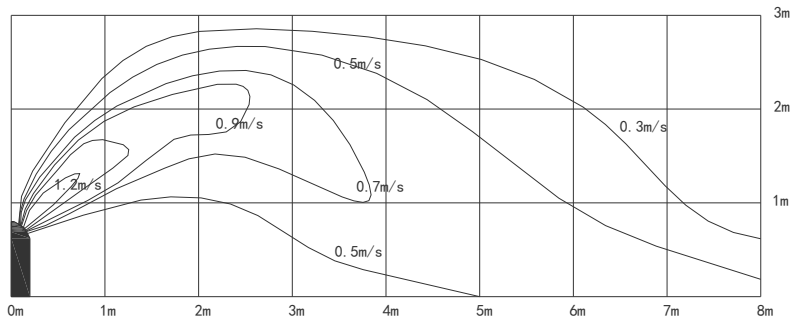


4) Ceiling installation/Heating/Air Temperature Distribution

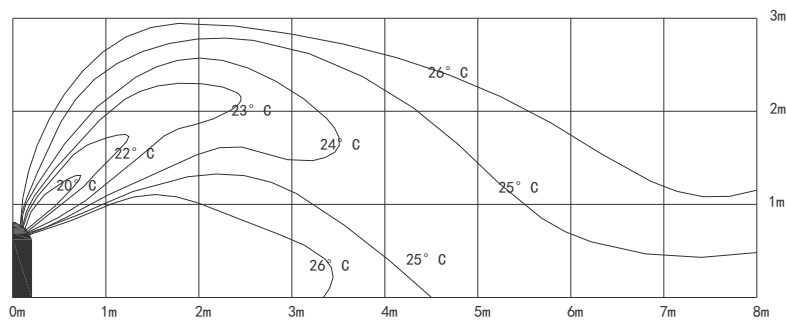


6. AIR FLOW DISTRIBUTION

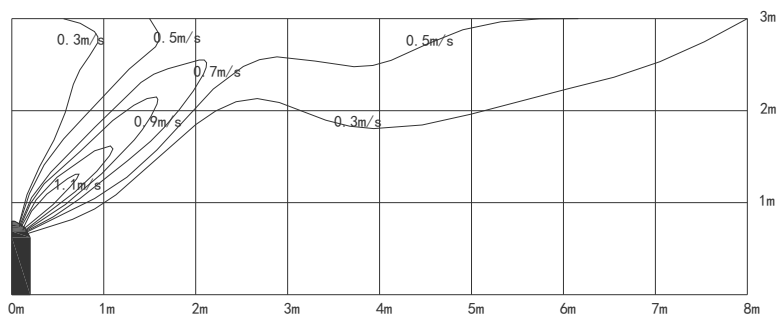
1) Floor installation/Cooling/Air Velocity Distribution



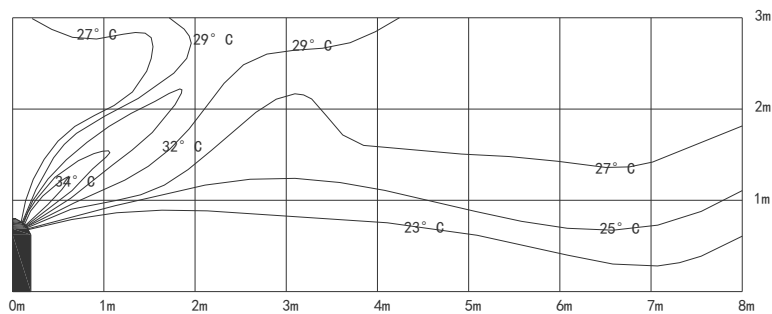
2) Floor installation/Cooling/Air Temperature Distribution



3) Floor installation/Heating/Air Velocity Distribution



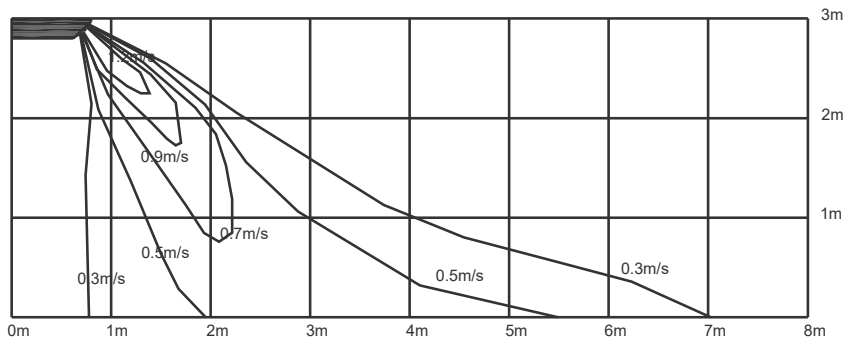
4) Floor installation/Heating/Air Temperature Distribution



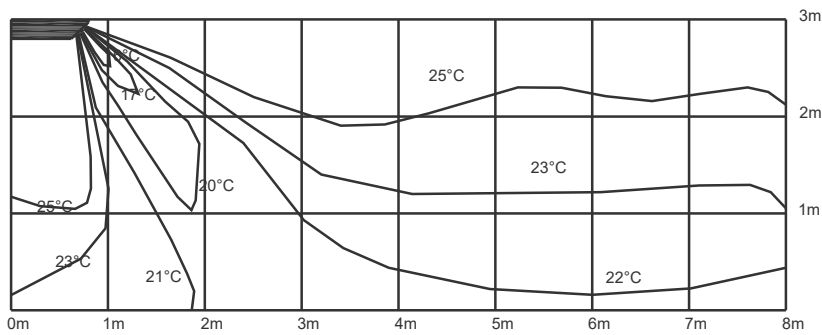
6. AIR FLOW DISTRIBUTION

AUV-48UR4RC8

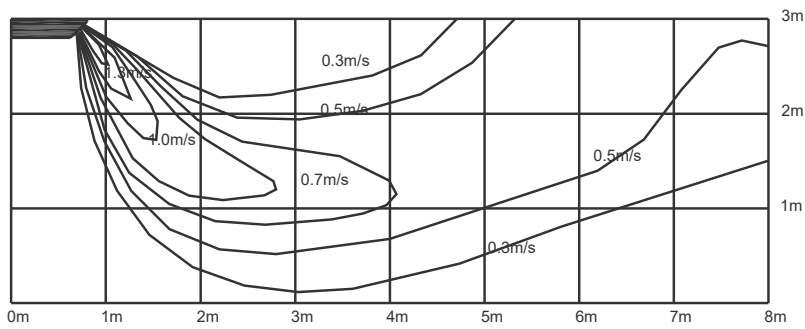
1) Ceiling installation/Cooling/Air Velocity Distribution



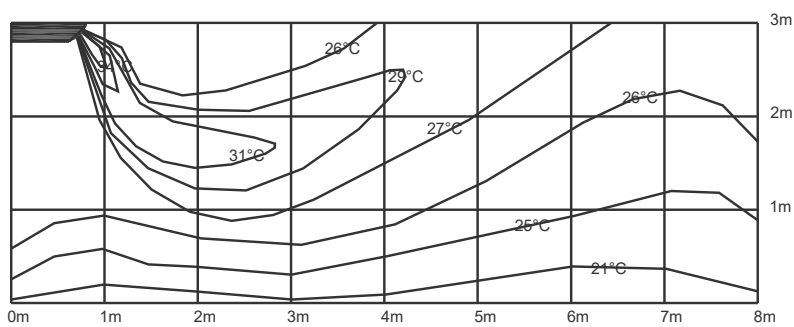
2) Ceiling installation/Cooling/Air Temperature Distribution



3) Ceiling installation/Heating/Air Velocity Distribution

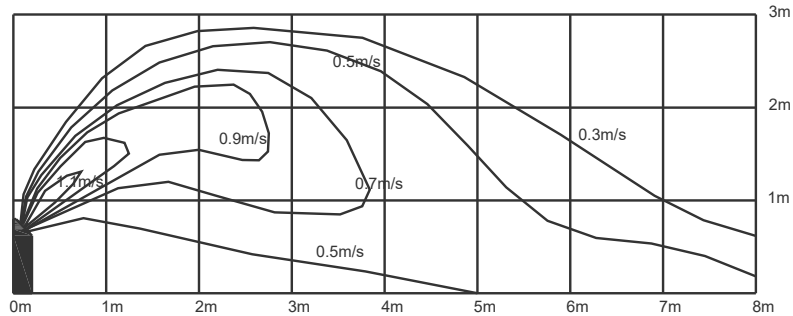


4) Ceiling installation/Heating/Air Temperature Distribution

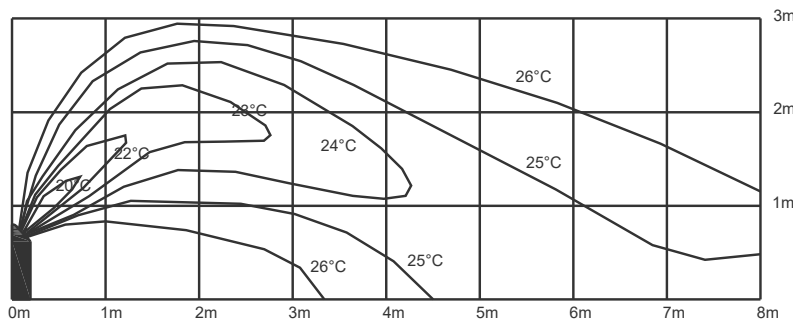


6. AIR FLOW DISTRIBUTION

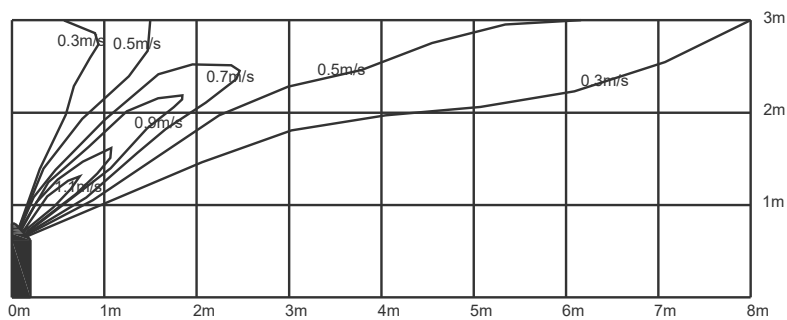
1) Floor installation/Cooling/Air Velocity Distribution



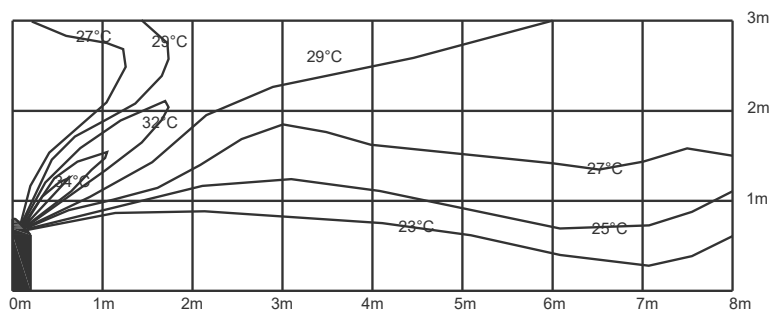
2) Floor installation/Cooling/Air Temperature Distribution



3) Floor installation/Heating/Air Velocity Distribution



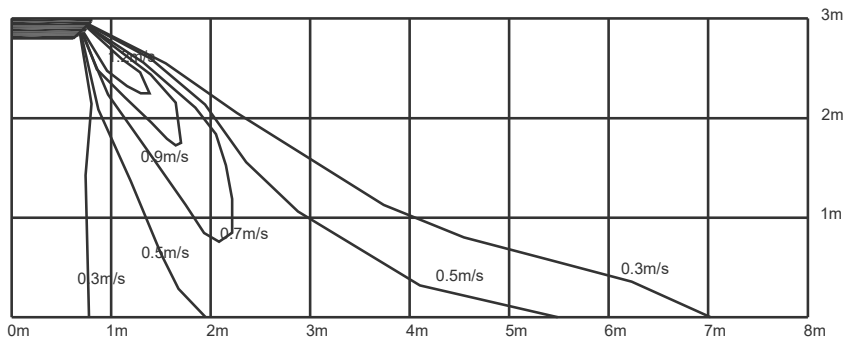
4) Floor installation/Heating/Air Temperature Distribution



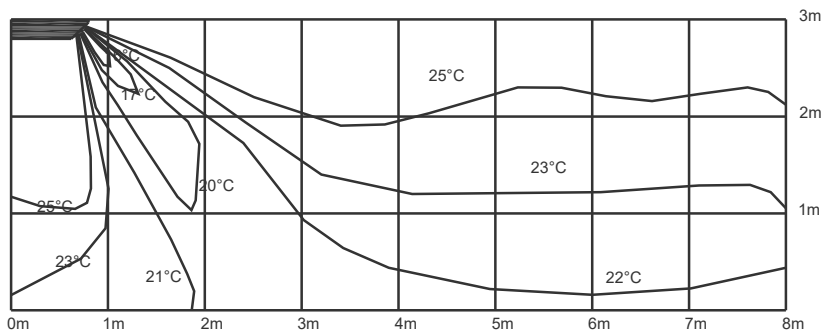
6. AIR FLOW DISTRIBUTION

AUV-60UR4RC8

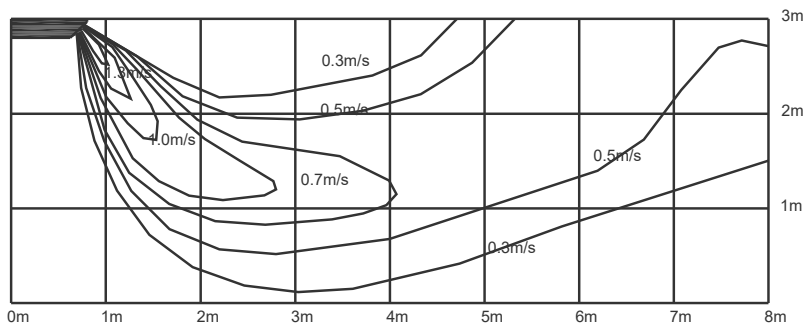
1) Ceiling installation/Cooling/Air Velocity Distribution



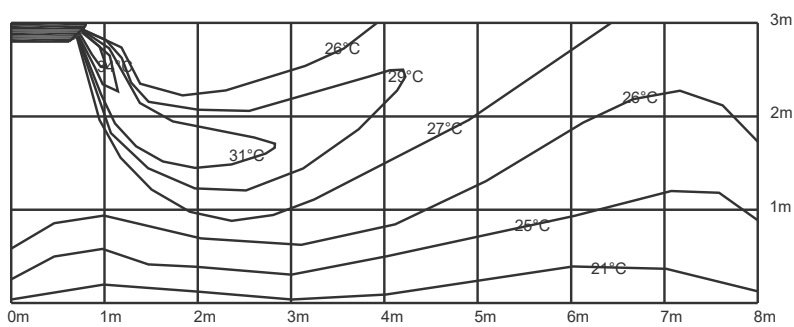
2) Ceiling installation/Cooling/Air Temperature Distribution



3) Ceiling installation/Heating/Air Velocity Distribution

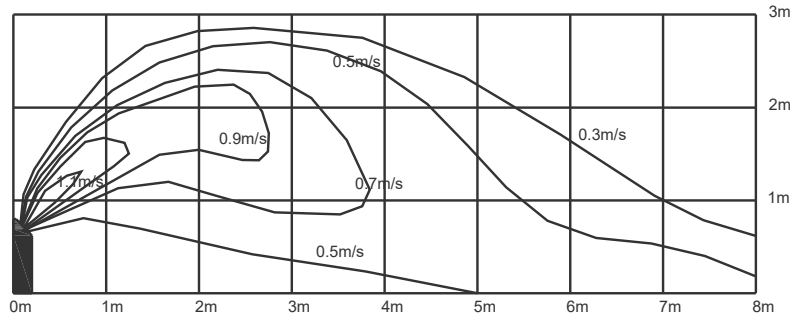


4) Ceiling installation/Heating/Air Temperature Distribution

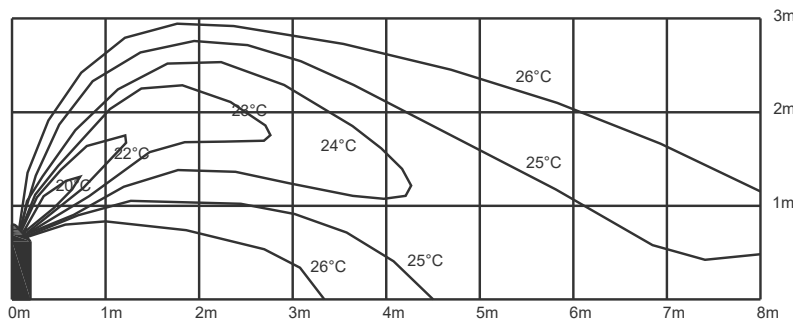


6. AIR FLOW DISTRIBUTION

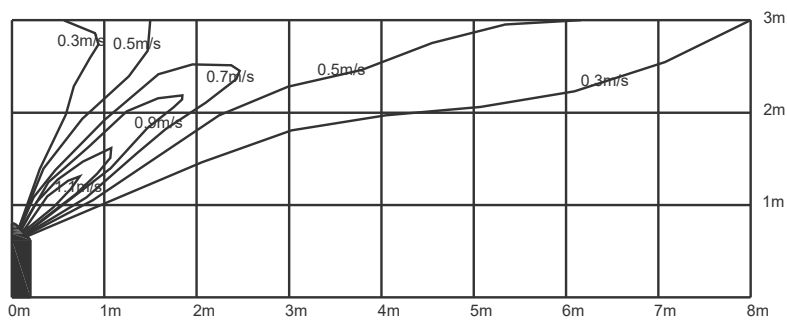
1) Floor installation/Cooling/Air Velocity Distribution



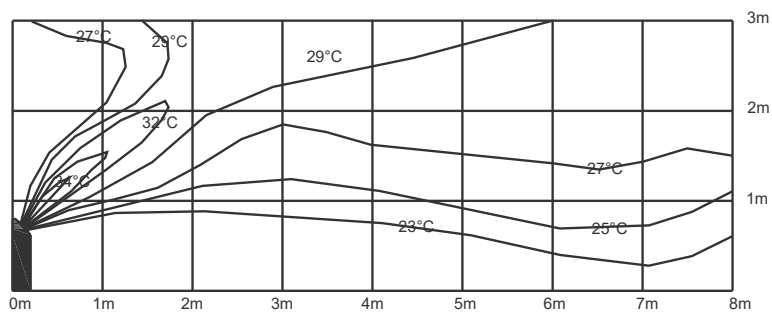
2) Floor installation/Cooling/Air Temperature Distribution



3) Floor installation/Heating/Air Velocity Distribution



4) Floor installation/Heating/Air Temperature Distribution

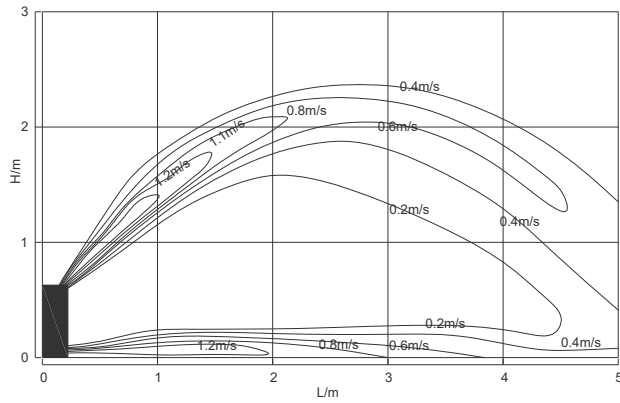


6. AIR FLOW DISTRIBUTION

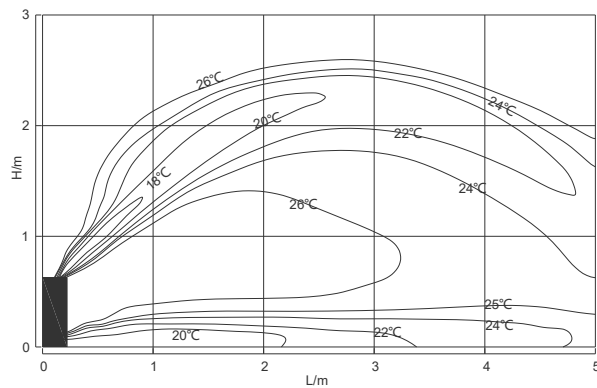
Console type

AKT-09UR4RK8

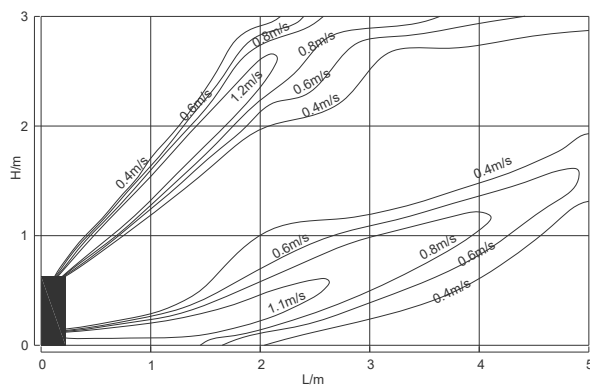
1) Cooling/Air Velocity Distribution



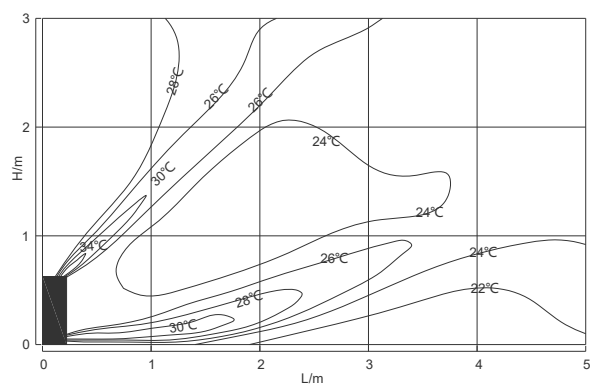
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



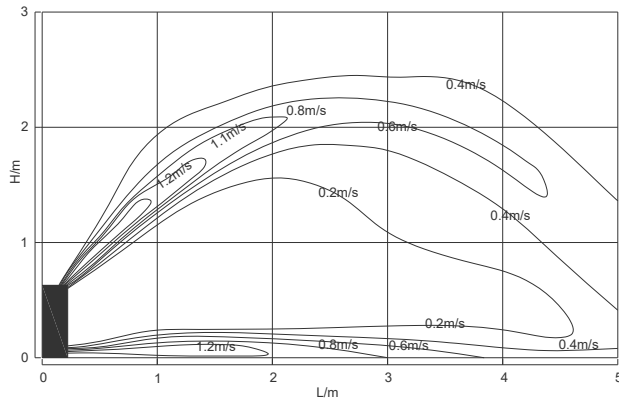
4) Ceiling installation/Heating/Air Temperature Distribution



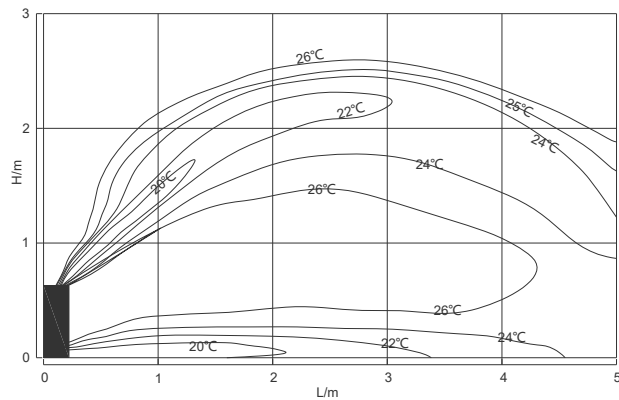
6. AIR FLOW DISTRIBUTION

AKT-12UR4RK8

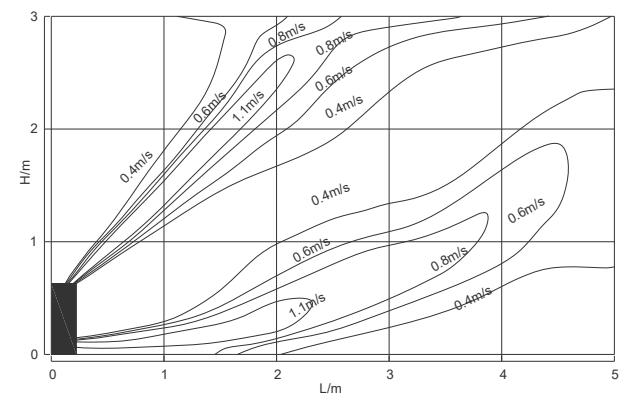
1) Cooling/Air Velocity Distribution



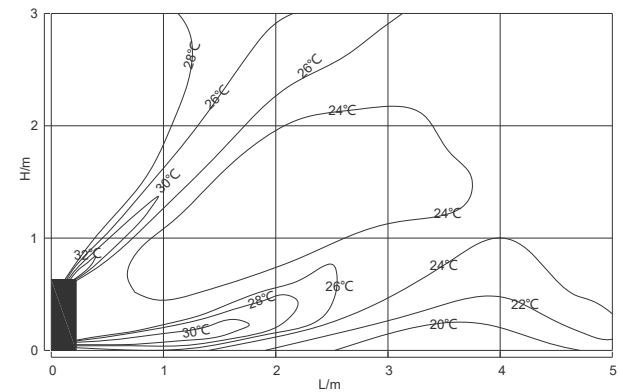
2) Cooling/Air Temperature Distribution



3) Heating/Air Velocity Distribution



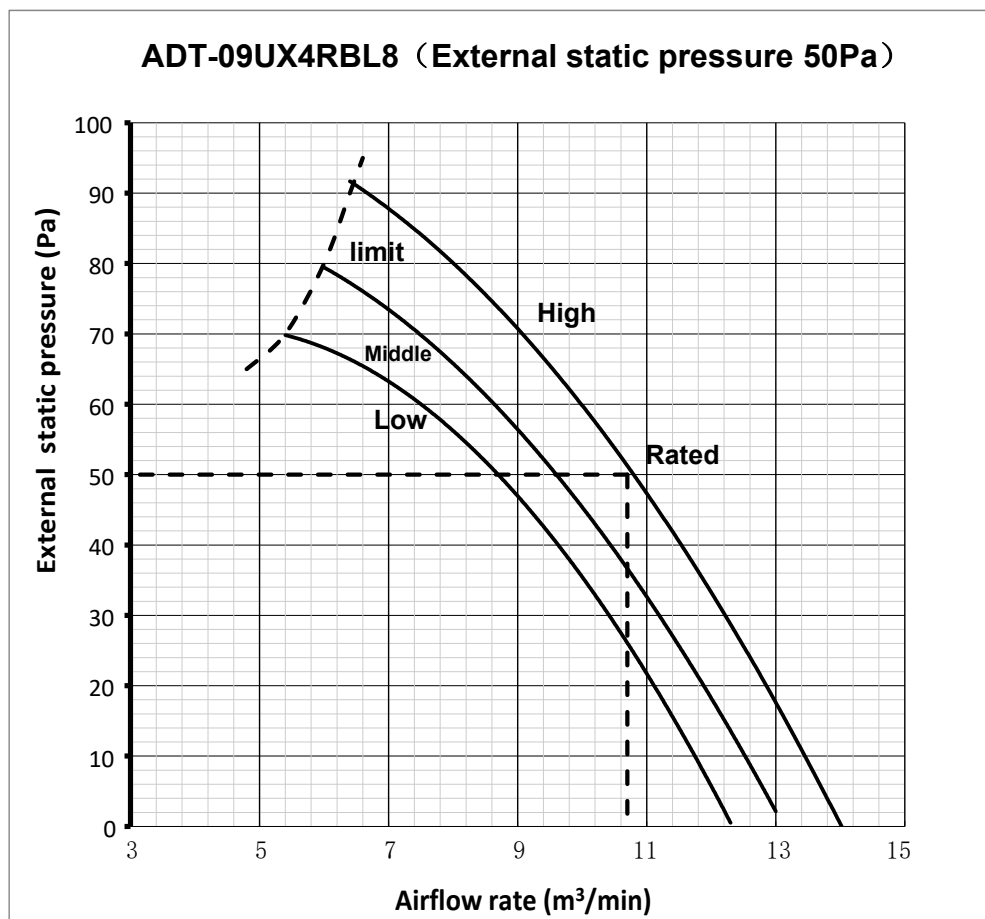
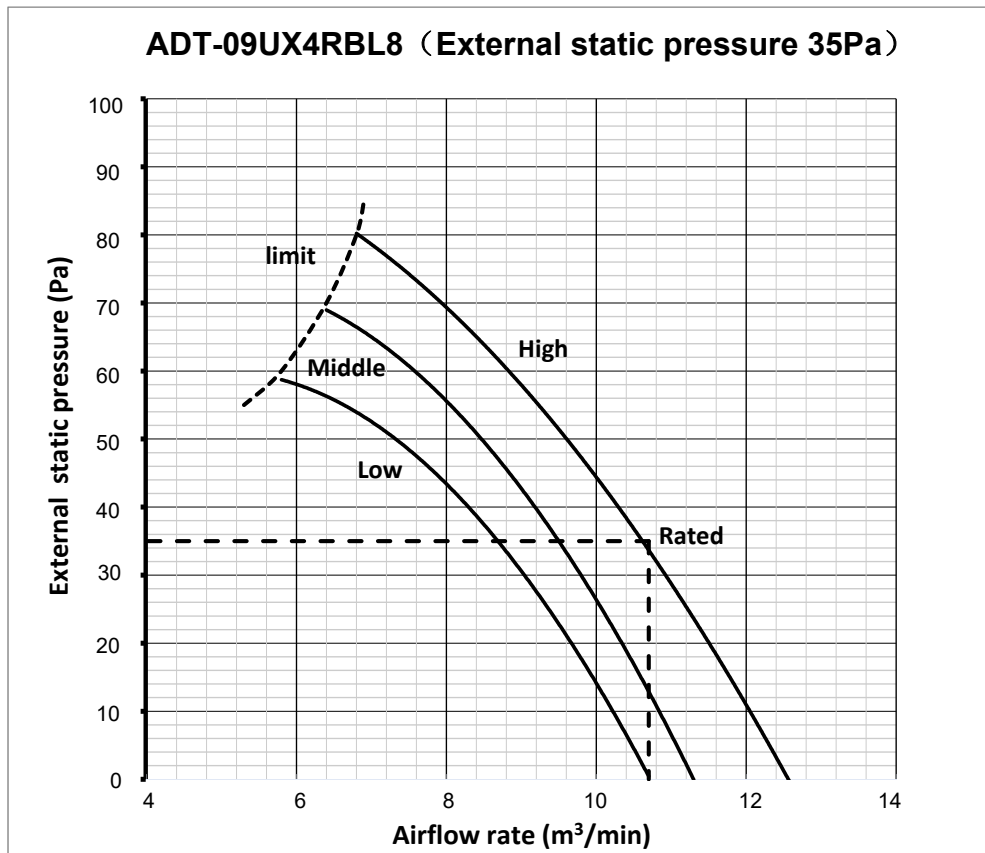
4) Ceiling installation/Heating/Air Temperature Distribution



7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

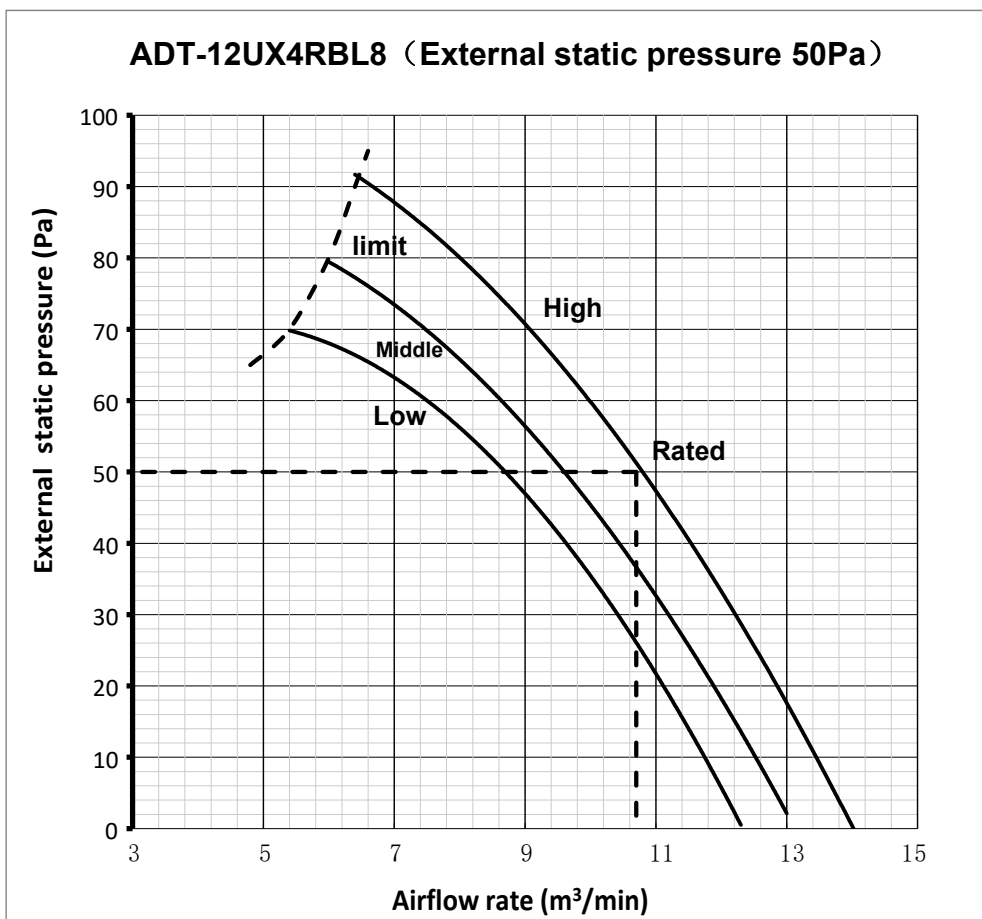
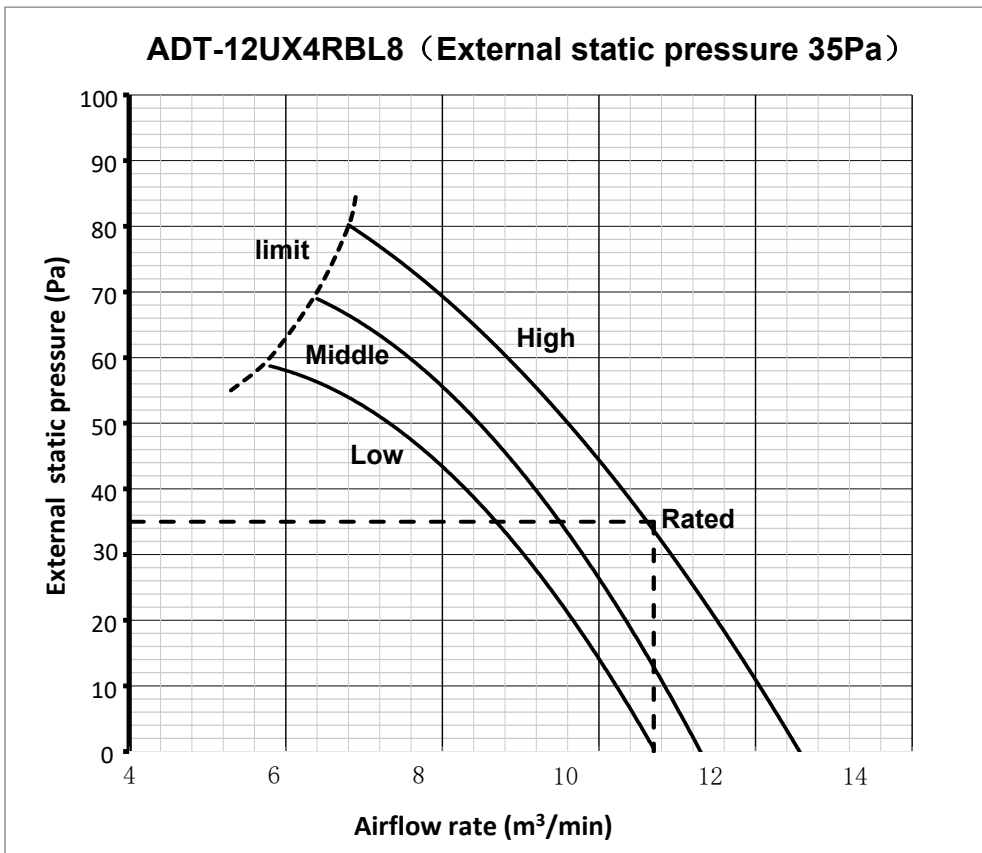
7. ESP (External static pressure) chart (Duct type)

ADT-09UX4RBL8



7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

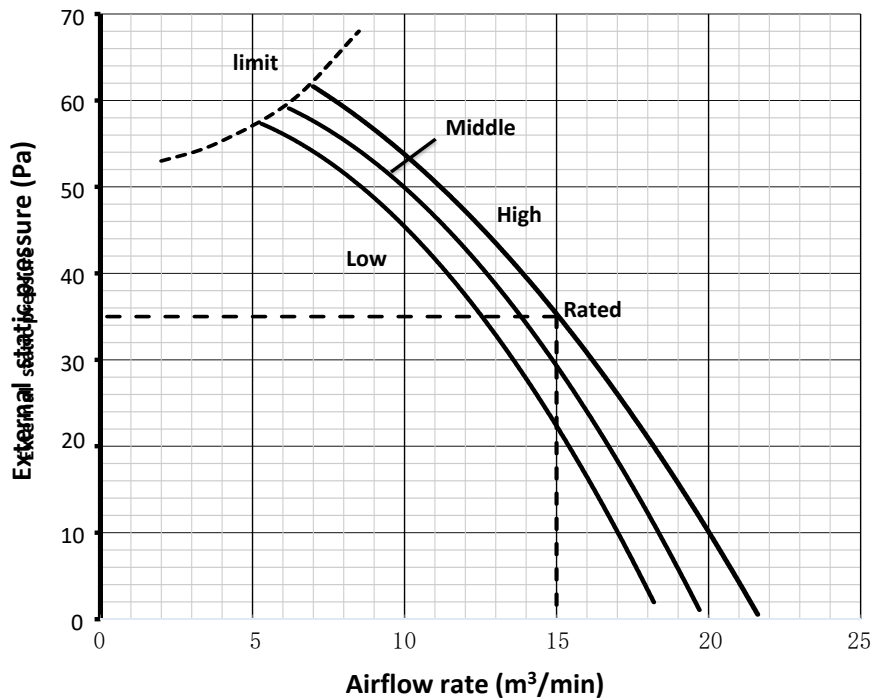
ADT-12UX4RBL8



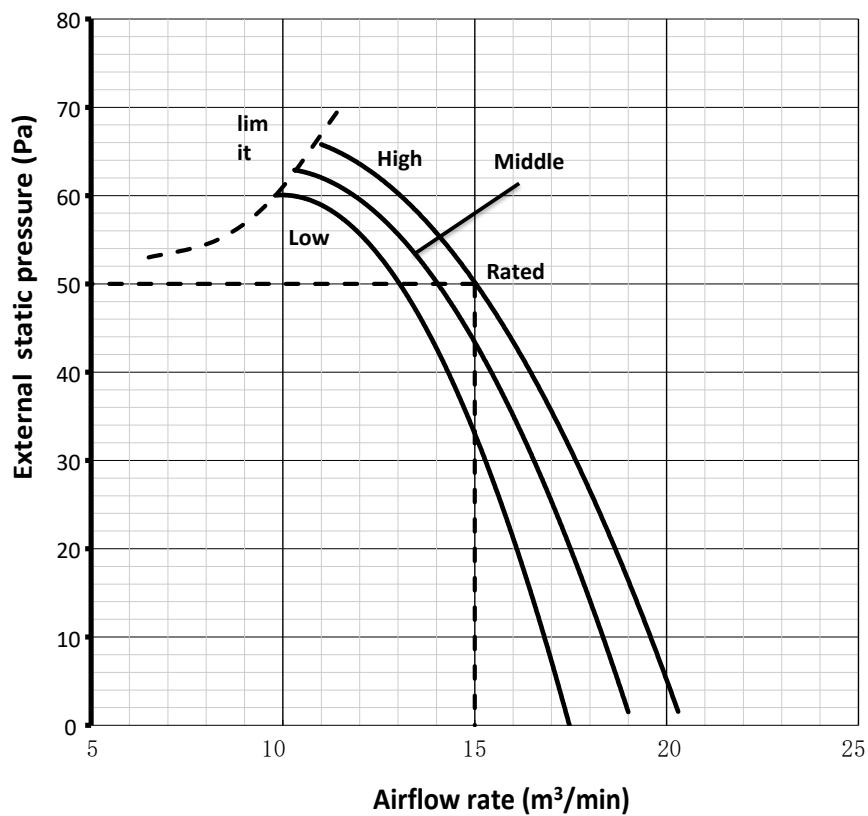
7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

ADT-18UX4RCL8

ADT-18UX4RCL8 (External static pressure 35Pa)

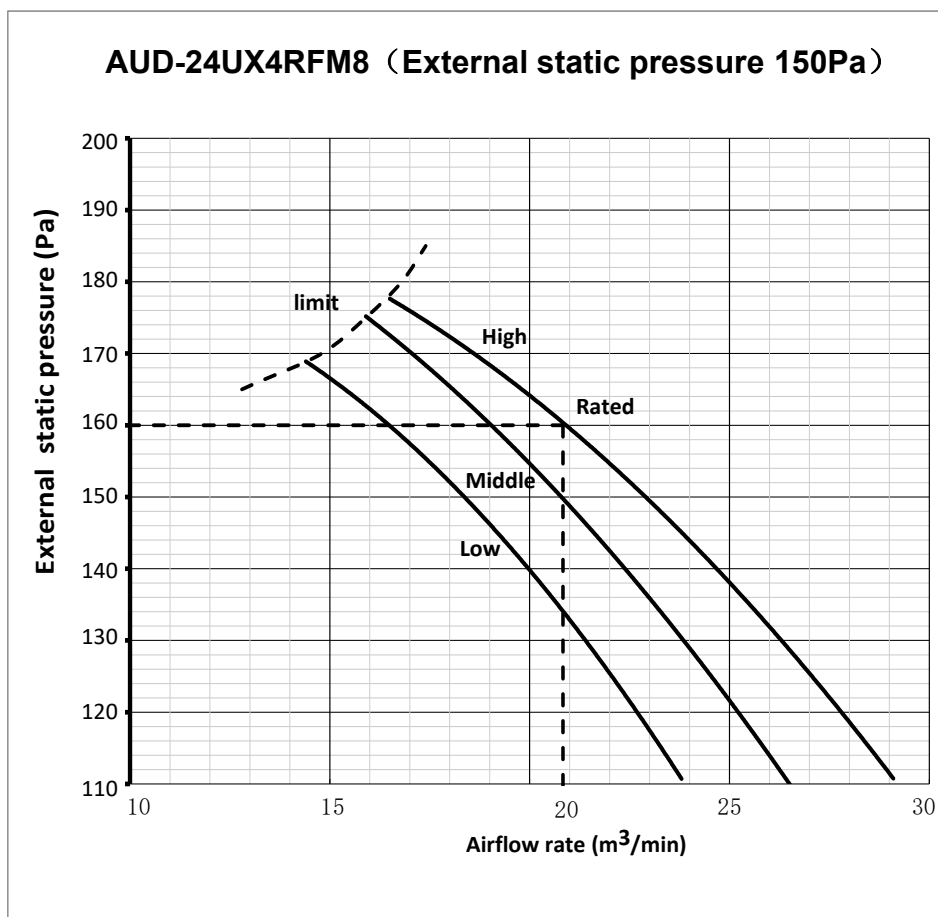
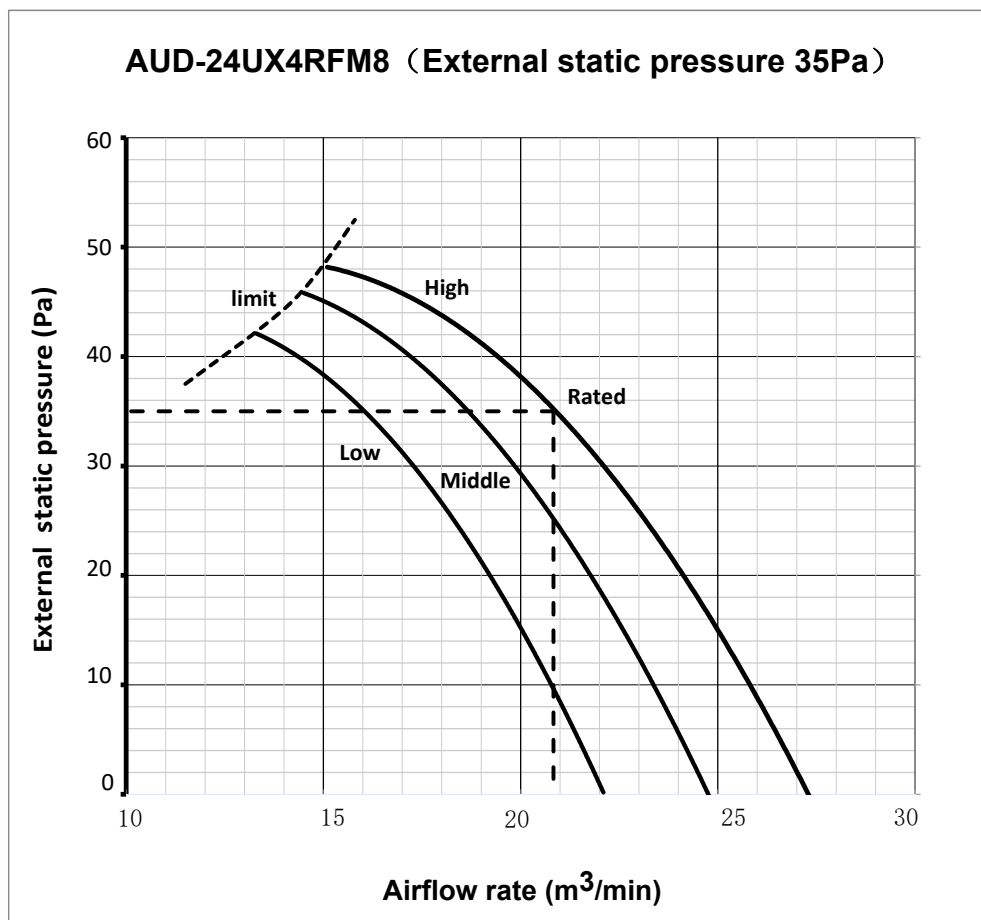


ADT-18UX4RCL8 (External static pressure 50Pa)



7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

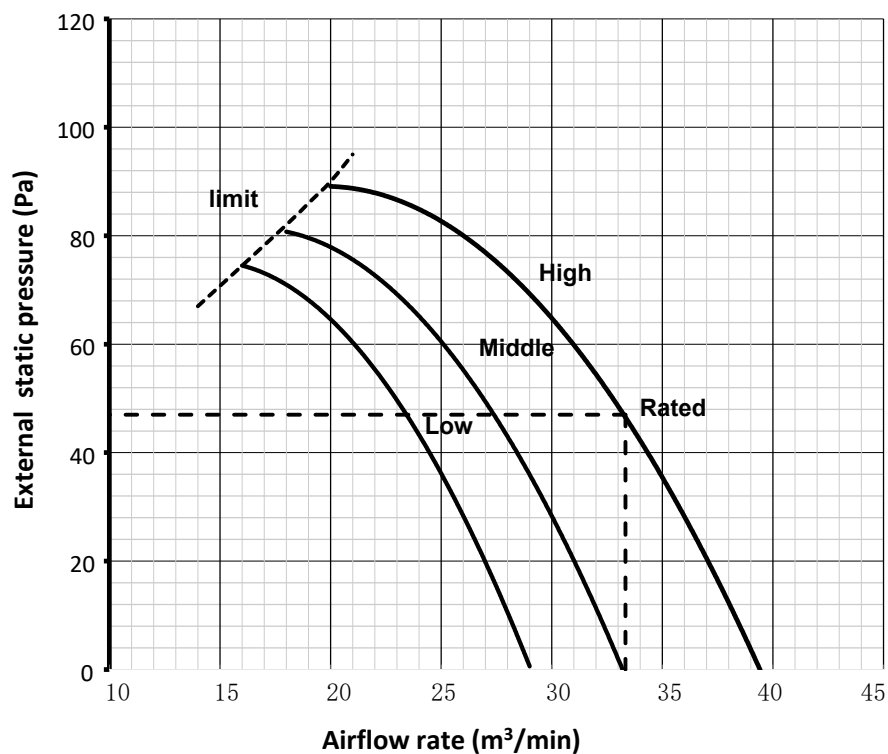
AUD-24UX4RFM8



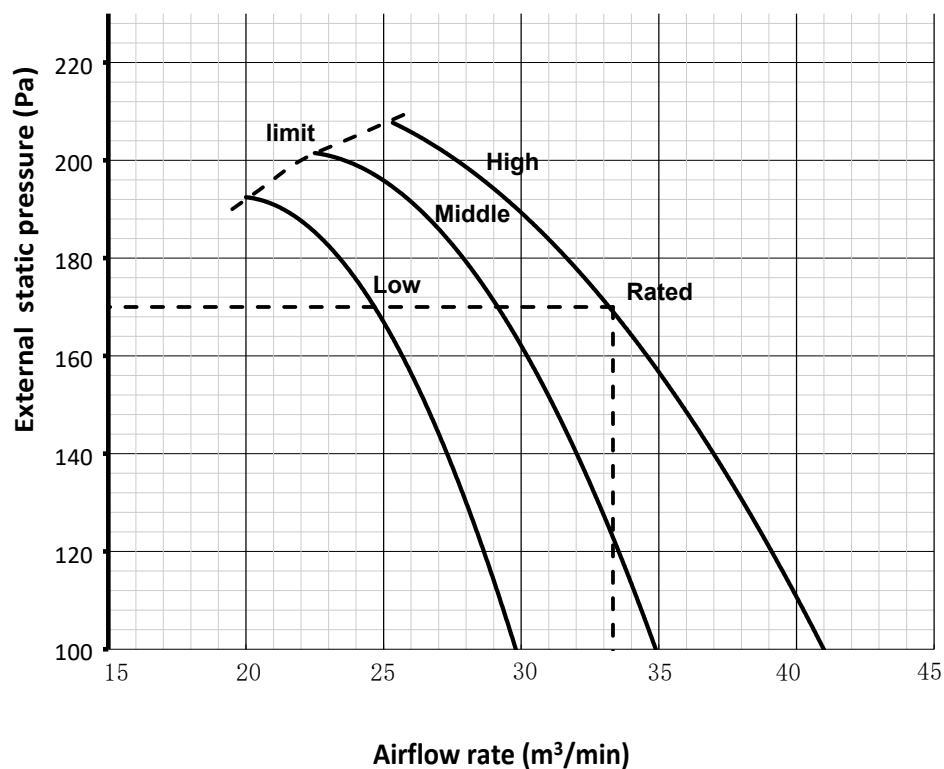
7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

AUD-36UX4REH8

AUD-36UX4REH8 (External static pressure 47Pa)

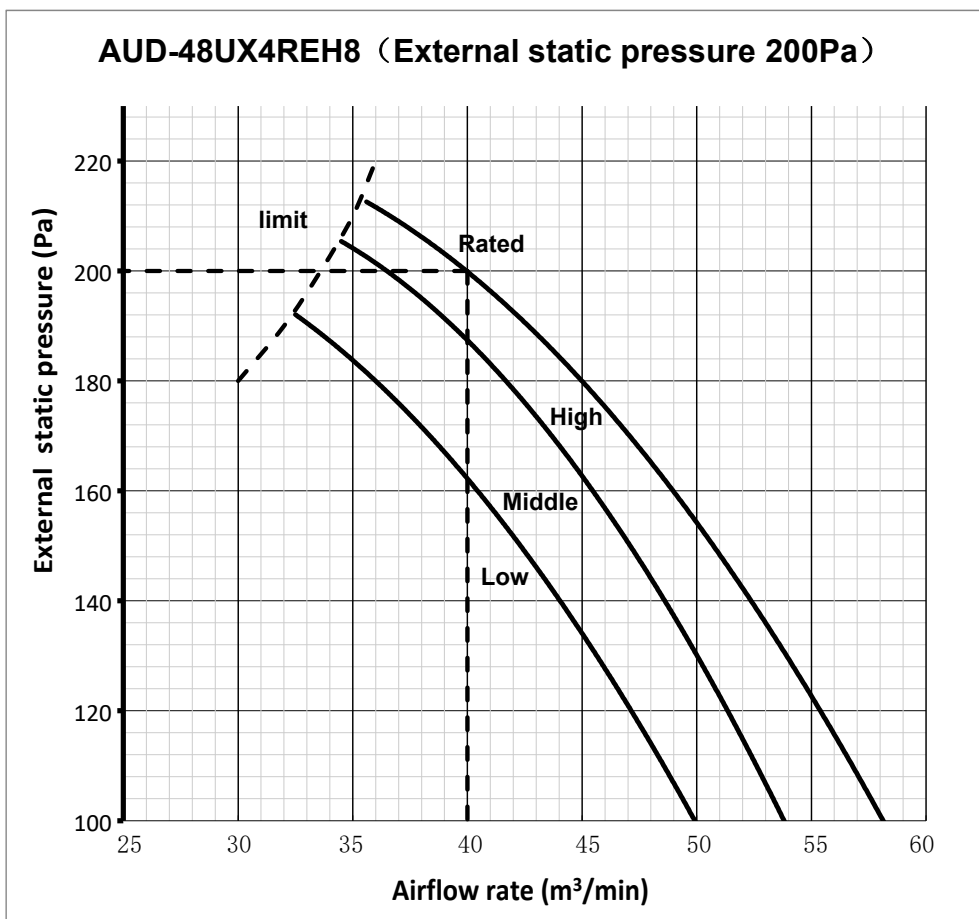
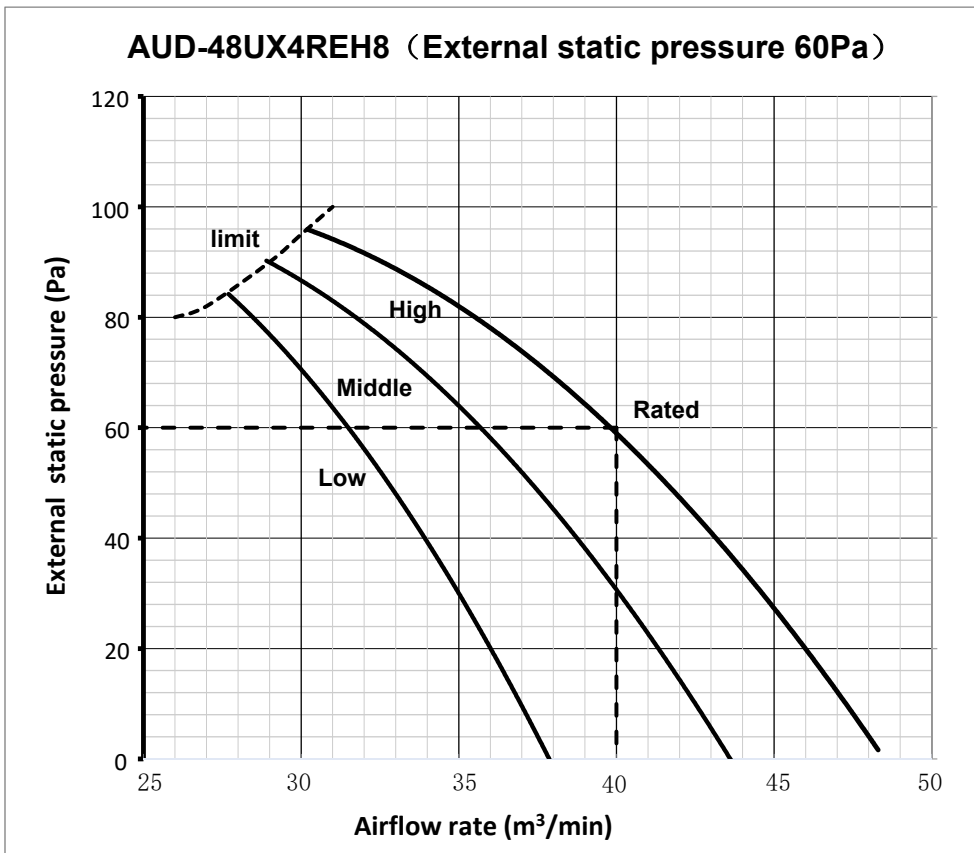


AUD-36UX4REH8 (External static pressure TBD)



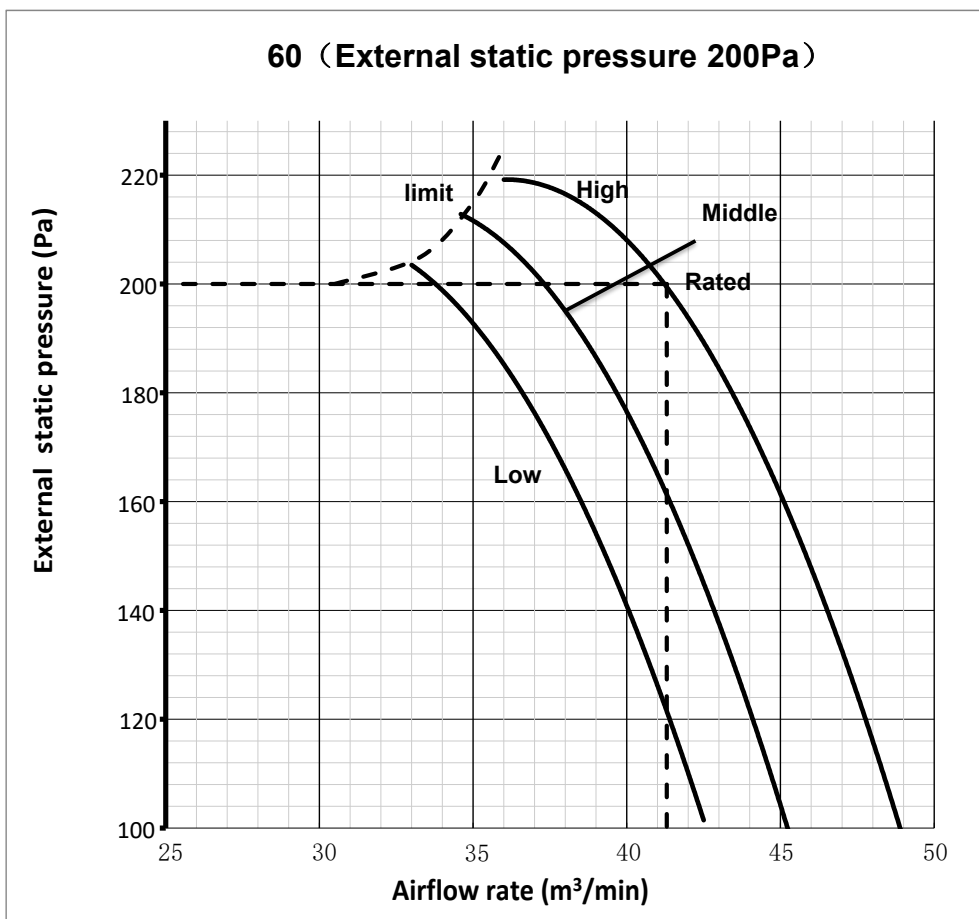
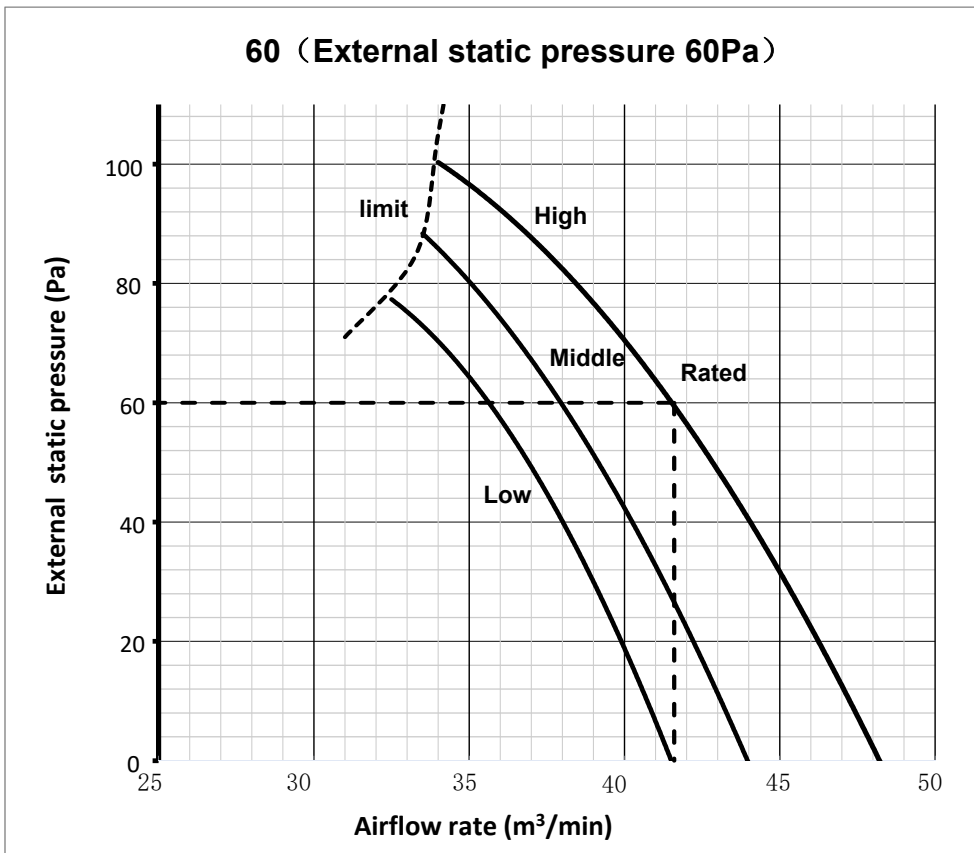
7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

AUD-48UX4REH8



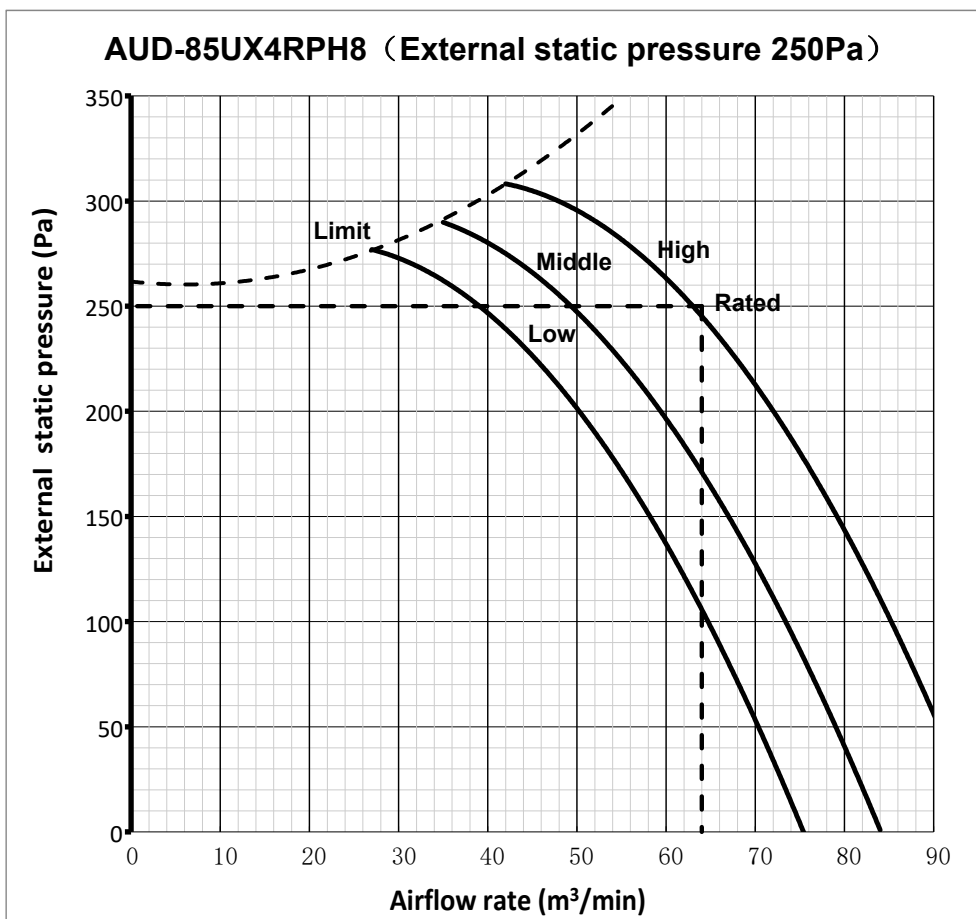
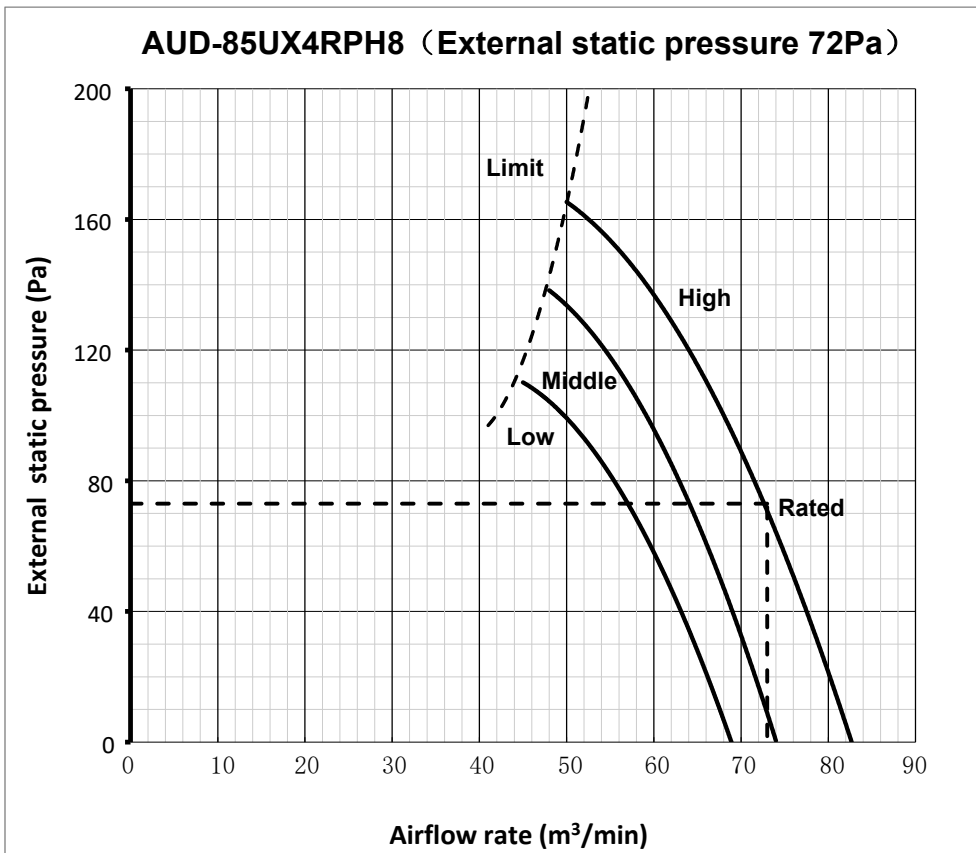
7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

AUD-60UX4REH8



7. ESP(EXTERNAL STATIC PRESSURE)CHART(DUCT TYPE)

AUD-85UX4RPH8



8. FRESH AIR INTAKE FUNCTION

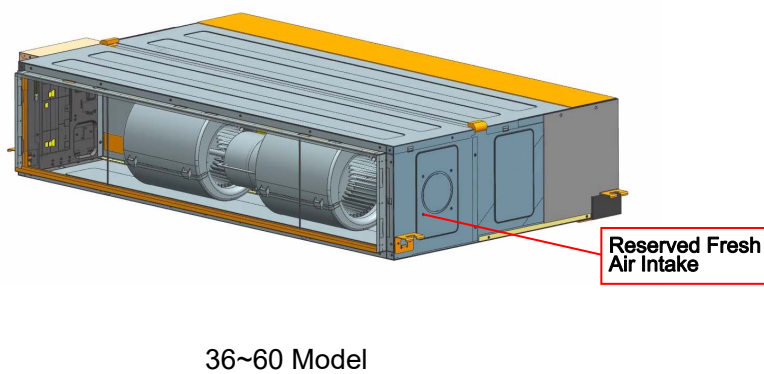
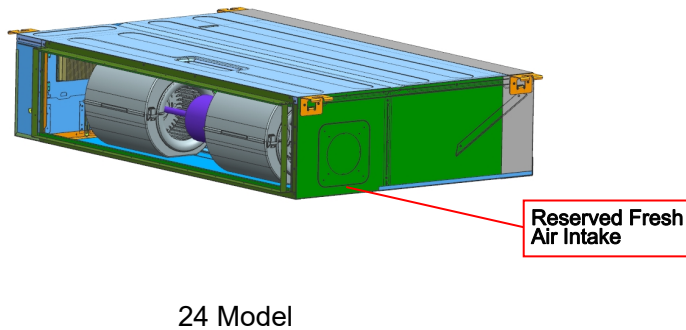
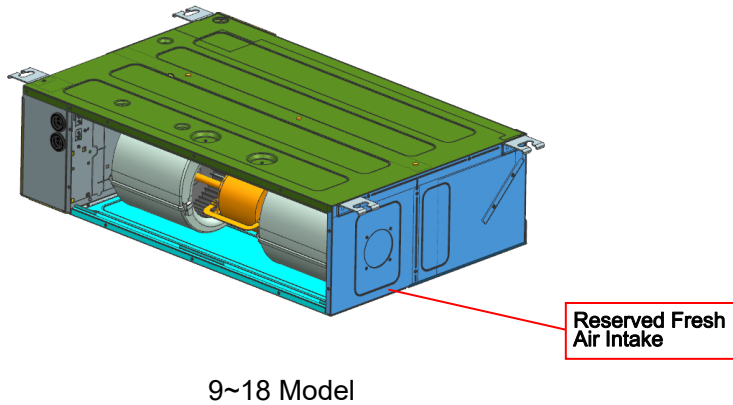
8. Fresh air intake function

Duct (9~60 Model)

Indoor unit can take fresh air from the reserved fresh air intake, the size of the fresh air intake hole is $\Phi 65\text{mm}$ (9~18 Model), $\Phi 100\text{mm}$ (24~60 Model).

Please follow the steps below when needed.

- 1) Cut off the reserved metal circular hole on the base board.
- 2) Connect air duct with the fresh air intake.

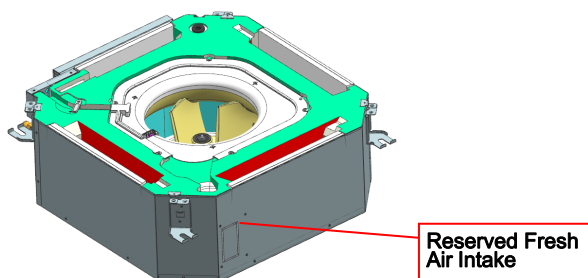


8. FRESH AIR INTAKE FUNCTION

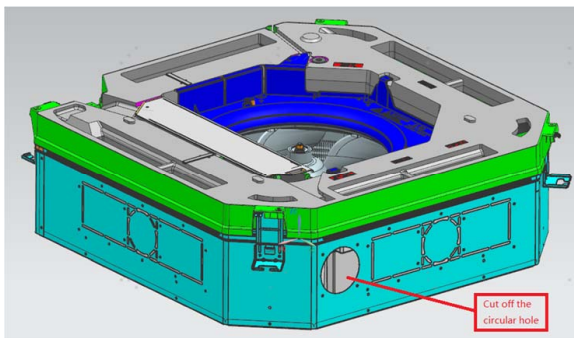
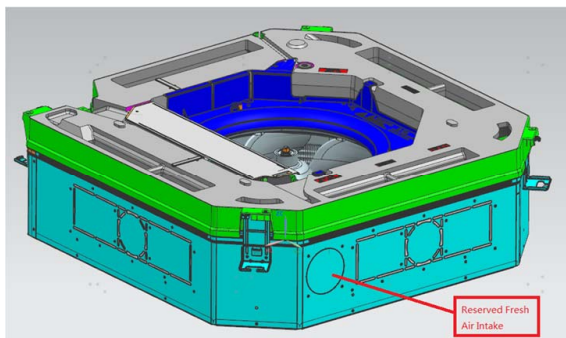
Cassette

Indoor unit can take fresh air from the reserved fresh air intake, the size of the fresh air intake hole is 83×43(mm)(Compact Cassette 9~18 Model), ϕ 100mm(Cassette 24~60 Model). Please follow the steps below when needed.

- 1) Cut off the reserved metal rectangular hole on the base board.
- 2) Cut off the foam material on the a rectangular hole.
- 3) Connect air duct with the fresh air intake.



Compact Cassette



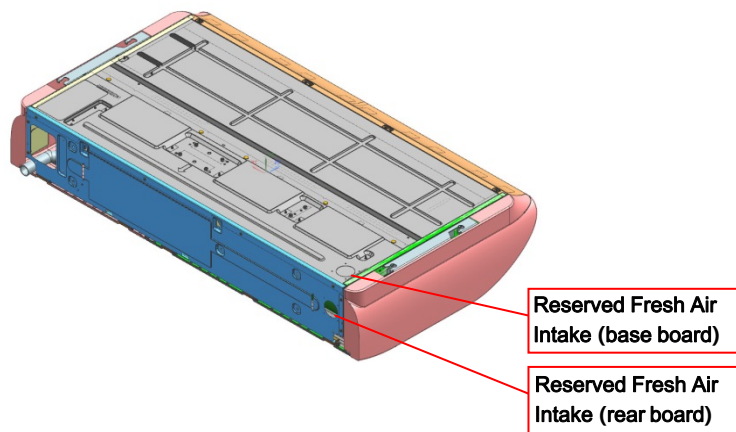
Cassette

8. FRESH AIR INTAKE FUNCTION

Ceiling & Floor

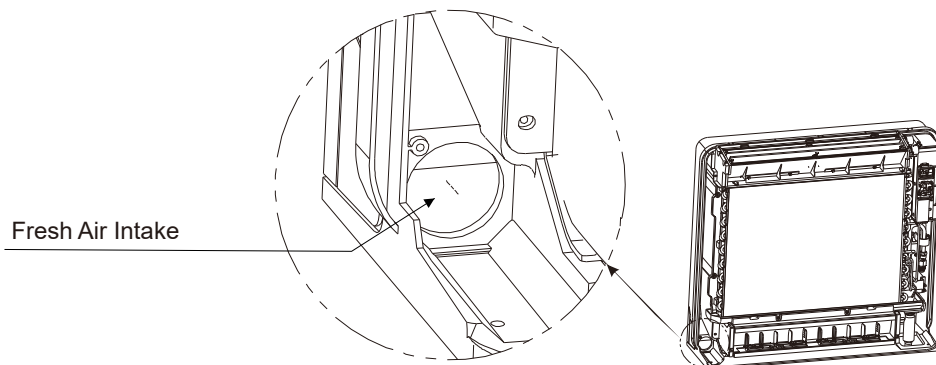
The floor ceiling indoor units are provided with fresh air function. Indoor unit can take the fresh air from the reserved fresh air intake, the size of the fresh air intake hole is $\Phi 50(\text{mm})$. Please follow the steps below when needed.

- 1) Cut off the reserved metal circular hole on the base board or rear board according to installation location.
- 2) Connect air duct with the fresh air intake.



Console

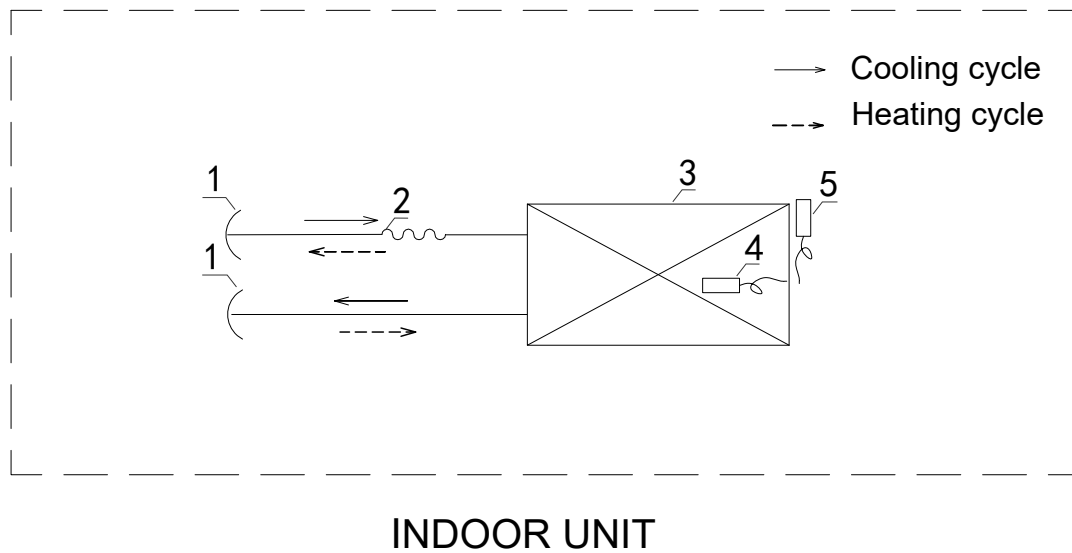
All of the console indoor units are provided with fresh air function. It is possible to inhale fresh air to indoor unit from the reserved fresh air intake, the size of the fresh air intake is $\phi 40(\text{mm})$.



9. REFRIGERANT CYCLE

9. Refrigerant cycle

Indoor unit



List of components			
1	Hexagon nut	4	Ambient temperature sensor
2	Split capillary	5	Coil temperature sensor
3	Indoor heat exchanger		

9. REFRIGERANT CYCLE

Outdoor unit

Turbo Inverter

AUW-09U4RS8

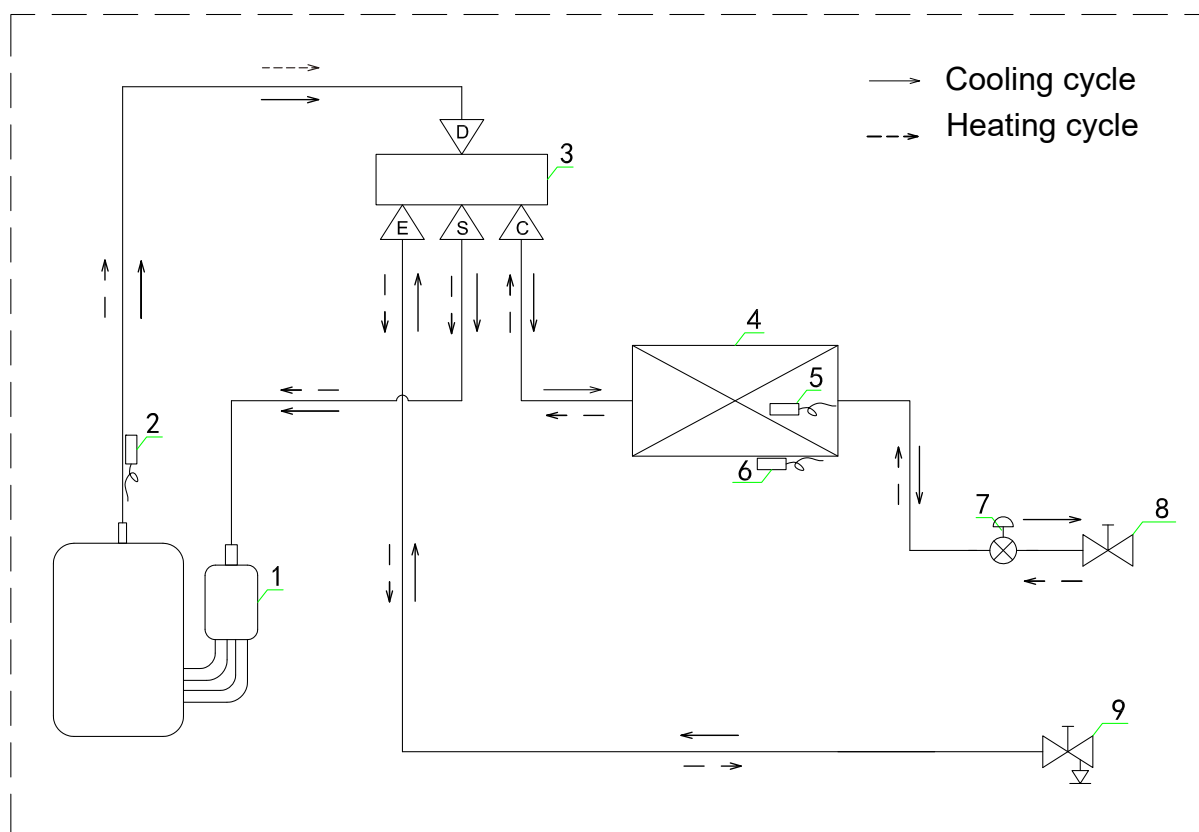
AUW-12U4RS8

Super Inverter

AUW-18U4RS7

AUW-24U4RJ7

AUW-36U4RK7

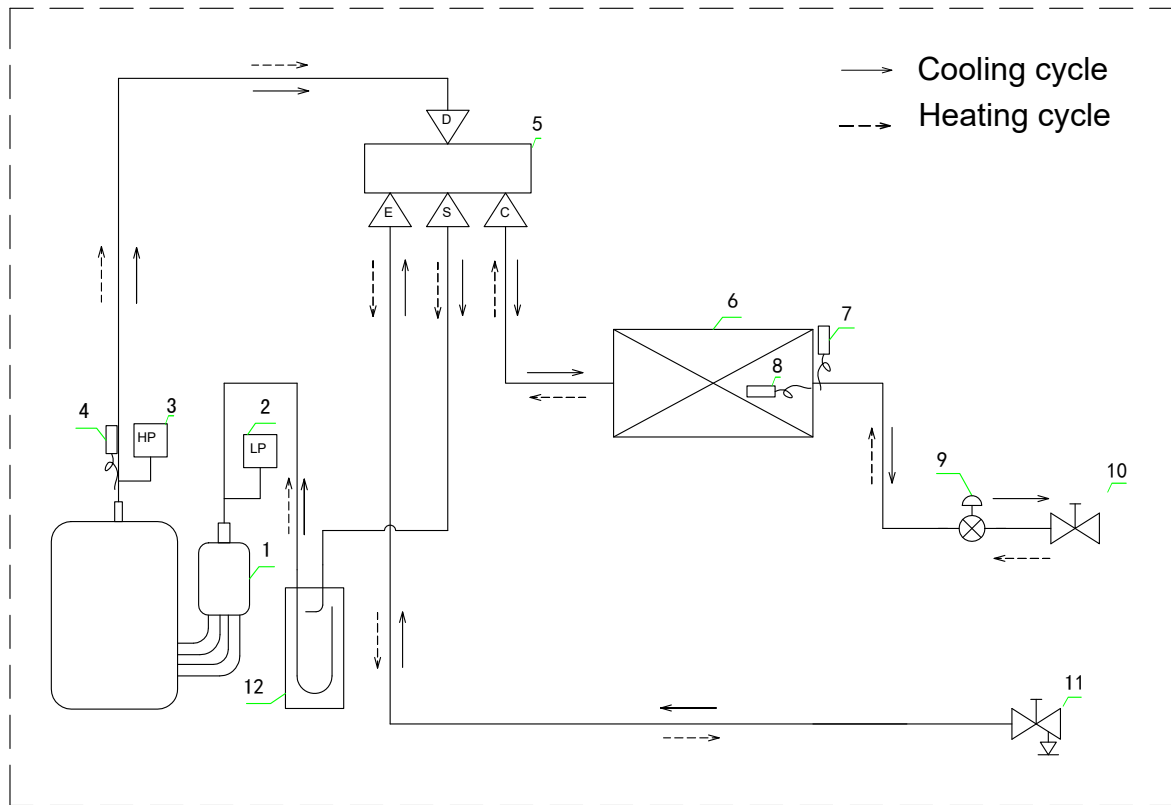


OUTDOOR UNIT

List of components			
1	Compressor	6	Outdoor coil temp. sensor
2	Discharge temp. sensor	7	Electronic expansion valve
3	4-way valve	8	Stop valve (liquid)
4	Outdoor heat exchanger	9	Stop valve (gas)
5	Ambient temp. sensor		

9. REFRIGERANT CYCLE

Turbo Inverter
 AUW-48U6RN8
 AUW-60U6RW8

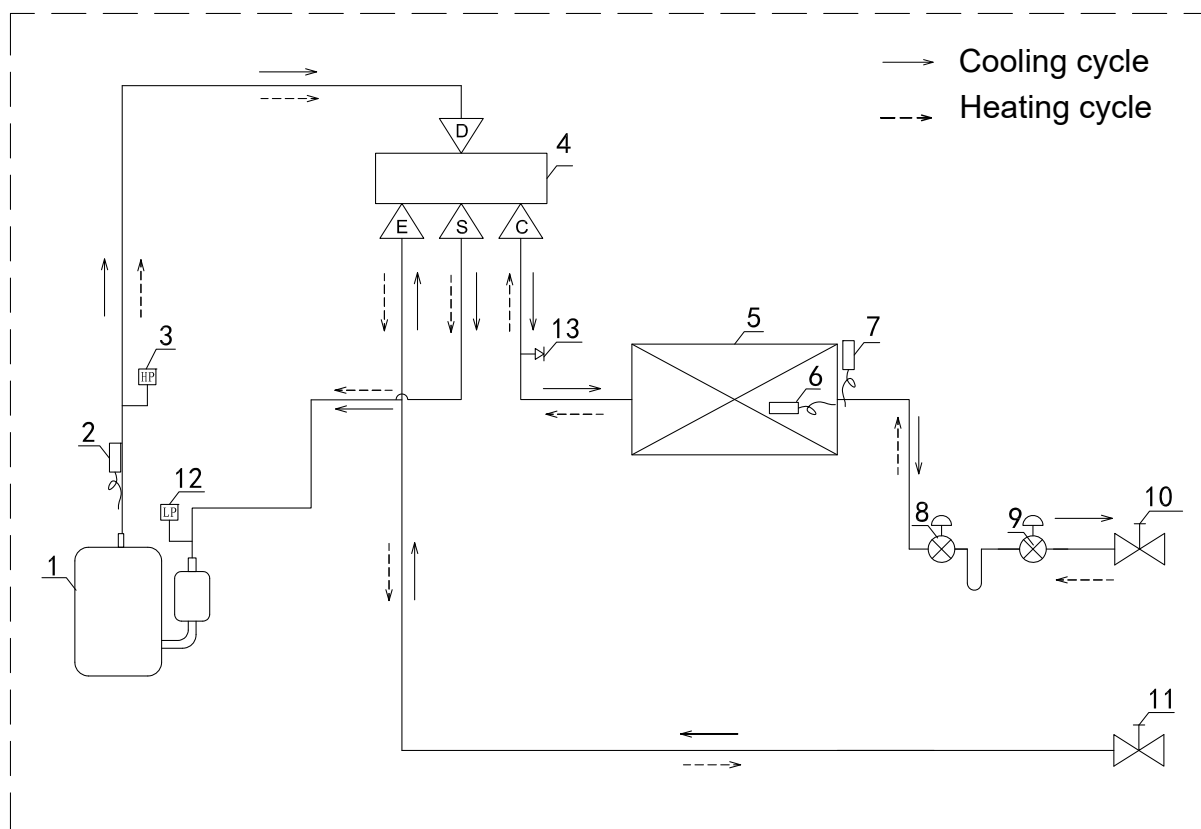


OUTDOOR UNIT

List of components			
1	Compressor	8	Ambient temperature sensor
2	Low pressure switch	9	Electronic expansion valve
3	High pressure switch	10	Stop valve
4	Discharge temperature sensor	11	Stop valve
5	4-Way valve	12	Gas-liquid separator
6	Outdoor heat exchanger		
7	Coil temperature sensor		

9. REFRIGERANT CYCLE

Turbo Inverter
AUW-85U6RZ8



OUTDOOR UNIT

List of components			
1	Compressor	8	Electronic expansion valve
2	Discharge temperature sensor	9	Electronic expansion valve
3	High pressure switch	10	Stop valve (Liquid)
4	Reversing valve	11	Stop valve (Gas)
5	Outdoor heat exchanger	12	Low pressure switch
6	Coil temperature sensor	13	Check valve
7	Ambient temperature sensor		

10. WIRING DIAGRAM

10. Wiring diagram

10.1 Electrical wiring diagrams

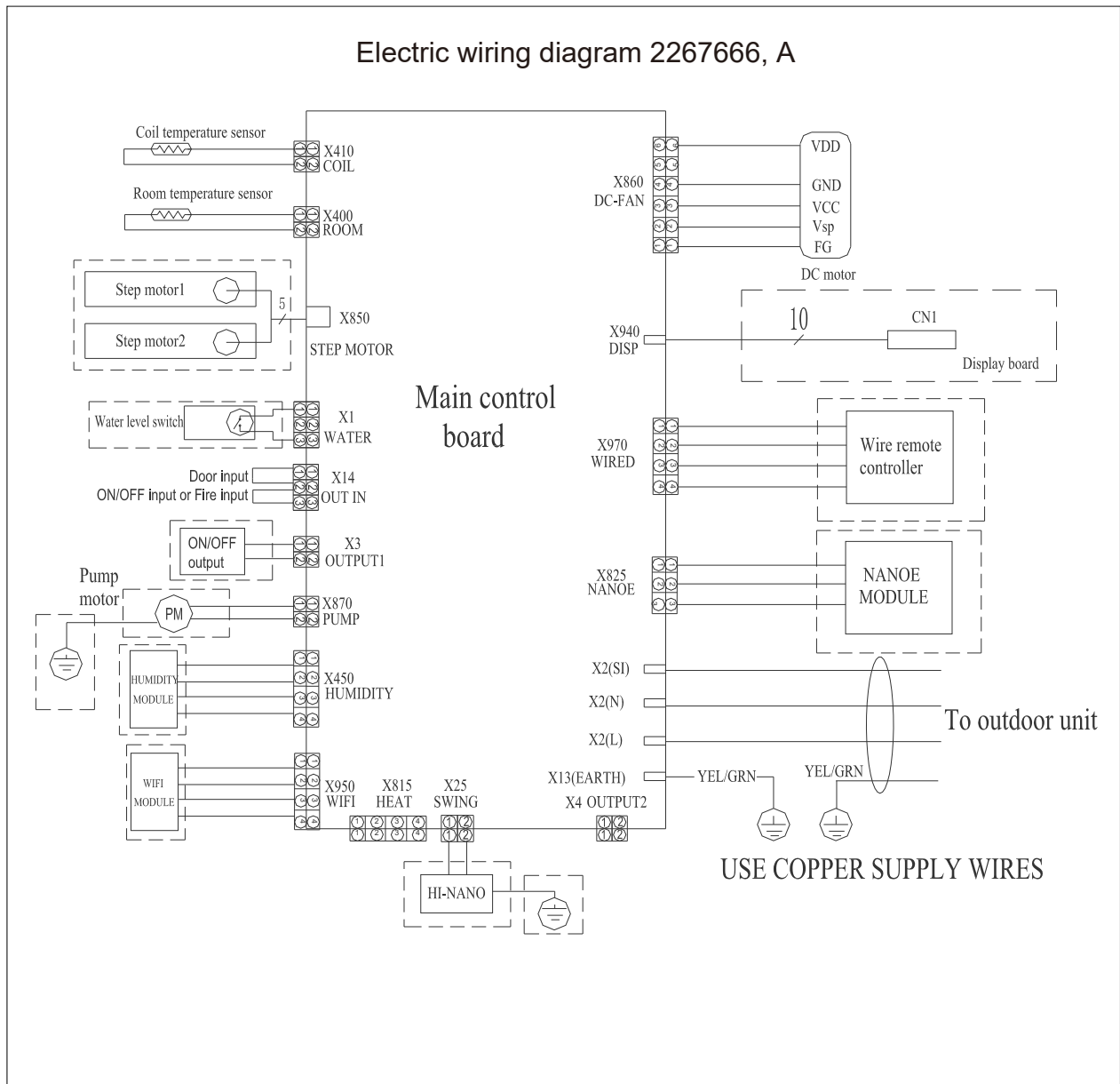
Indoor unit

Duct type

ADT-09UX4RBL8

ADT-12UX4RBL8

ADT-18UX4RCL8



Remark:

Dashed parts are not available in some models.

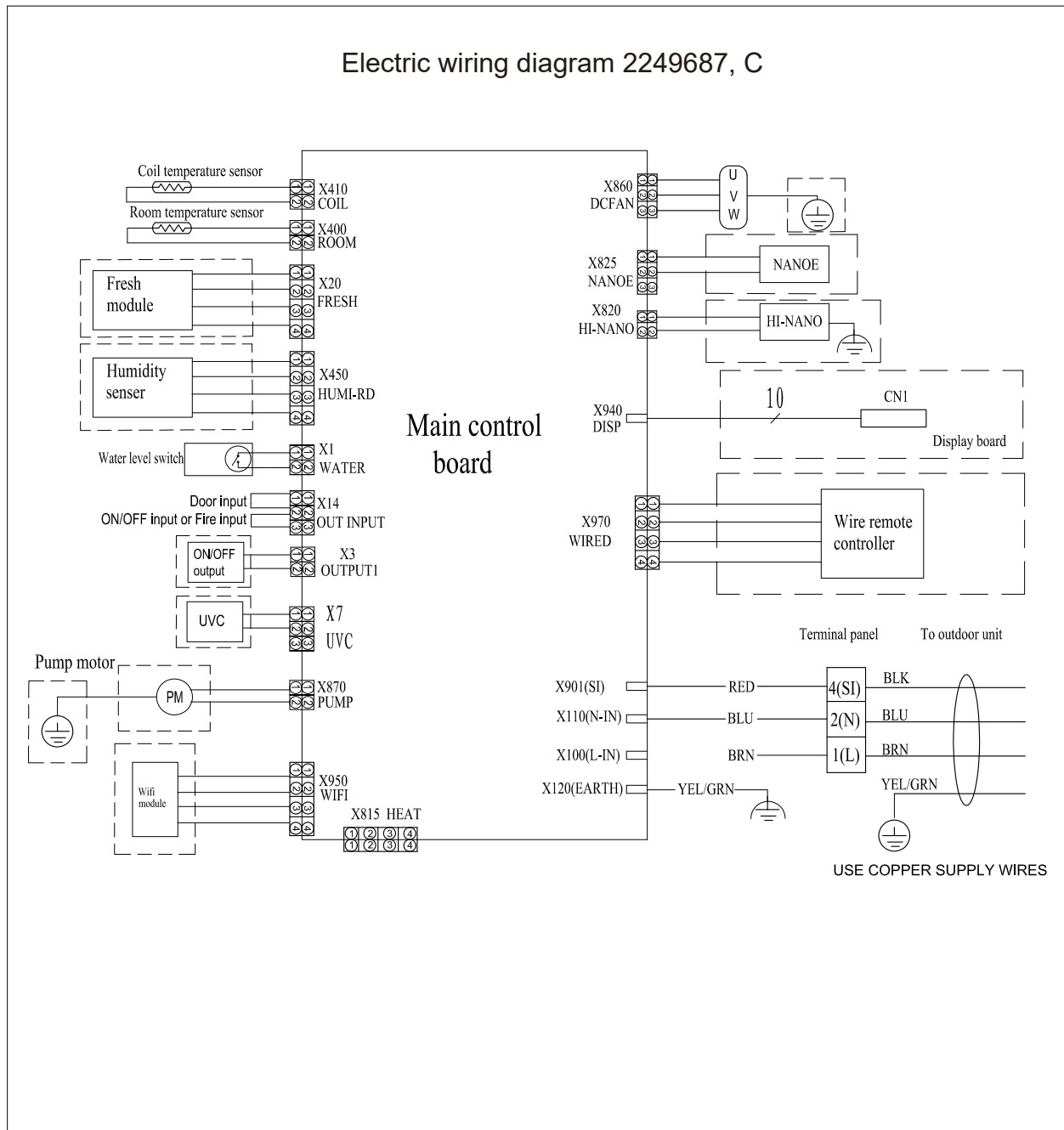
Details see the table below.

Step motor	Water level switch	ON/OFF output	Pump motor	Humidity module	Wifi module	Nano module	Wired remote controller	Display board	Hi-NANO
	●		●	●			●		

● --available part

10. WIRING DIAGRAM

AUD-24UX4RFM8
 AUD-36UX4REH8
 AUD-48UX4REH8
 AUD-60UX4REH8



Remark:

Dashed parts are not available in some models.
 Details see the table below.

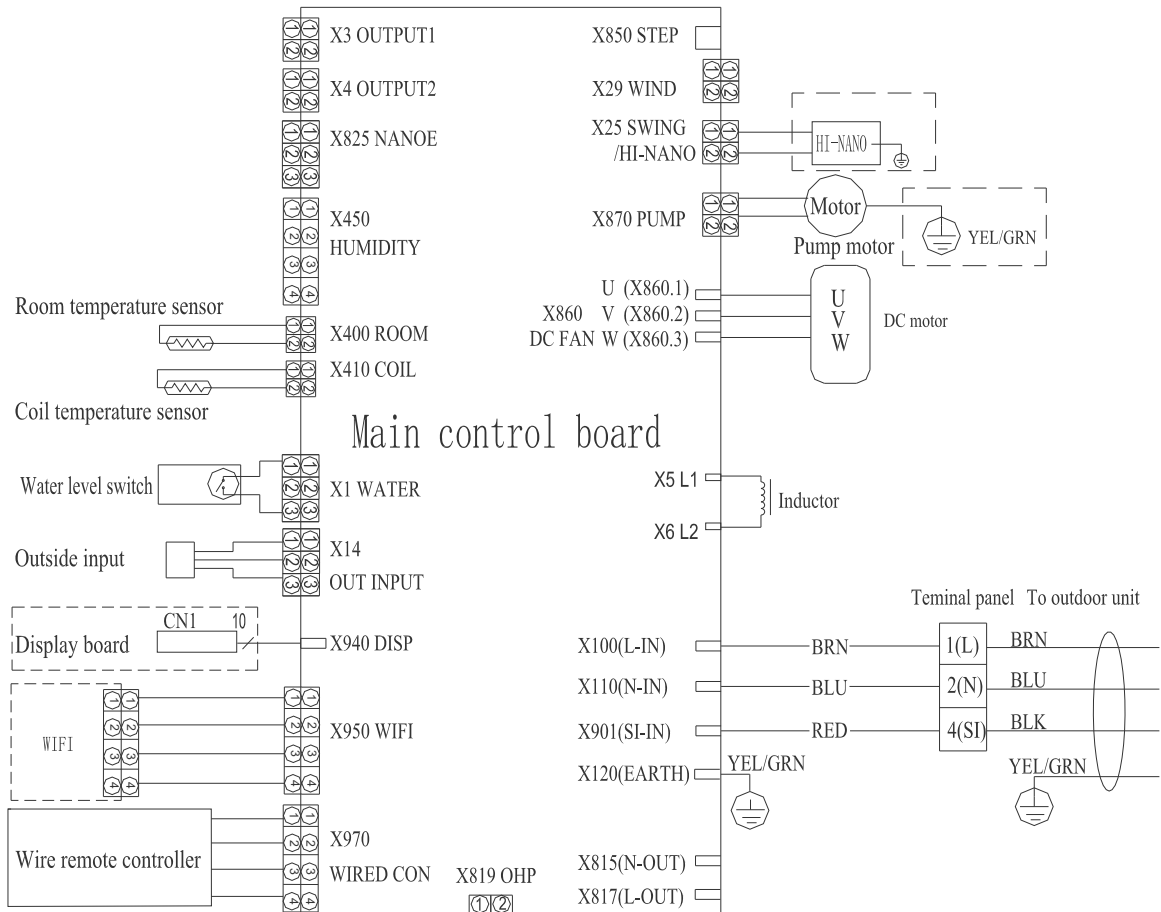
Fresh module	UVC	ON/OFF output	Pump motor	Humidity module	Wifi module	Nano module	Wired remote controller	Display board	Hi-NANO
			●	●			●		

● --available part

10. WIRING DIAGRAM

AUD-85UX4RPH8

Electric wiring diagram 2203432, A



Remark:

Dashed parts are not available in some models.

Details see the table below.

SWING /HI-NANO	PUMP motor	Wifi module	Display board
			●

● --available part

10. WIRING DIAGRAM

Compact Cassette type

ACT-09UR4RCC8

ACT-12UR4RCC8

ACT-18UR4RCC8

Cassette type

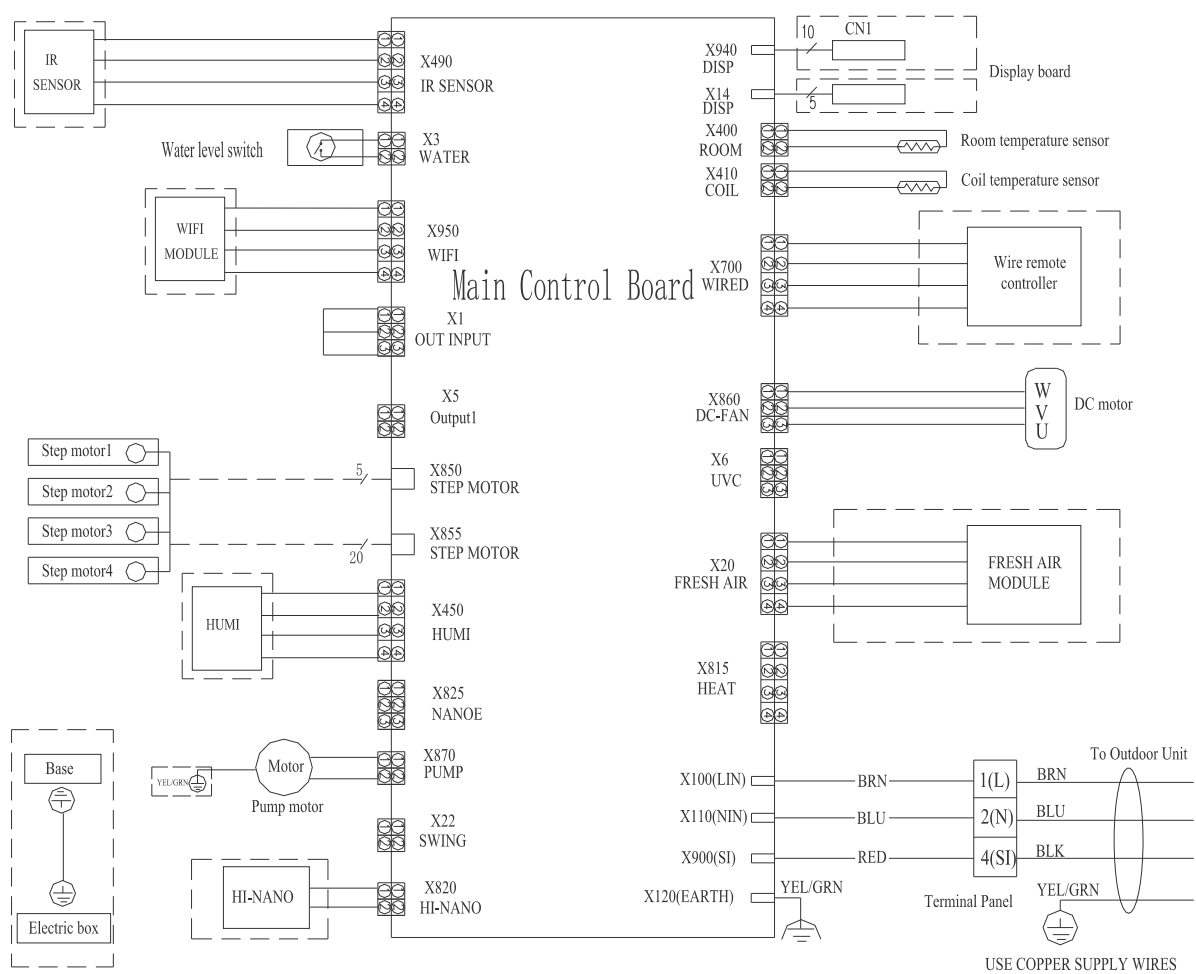
ACT-24UR4RJC8

AUC-36UR4RKC8

AUC-48UR4RKC8

AUC-60UR4RKC8

Electric wiring diagram 2198734, C



Remark:

Dashed parts are not available in some models.
Details see the table below.

WIFI Module	Humidity module	PUMP motor	Hi-Nano	Base-Electric box	Display board (X940)	Display (X14)	IR Sensor	Fresh air module	Wire remote controller
●		●		●		●			

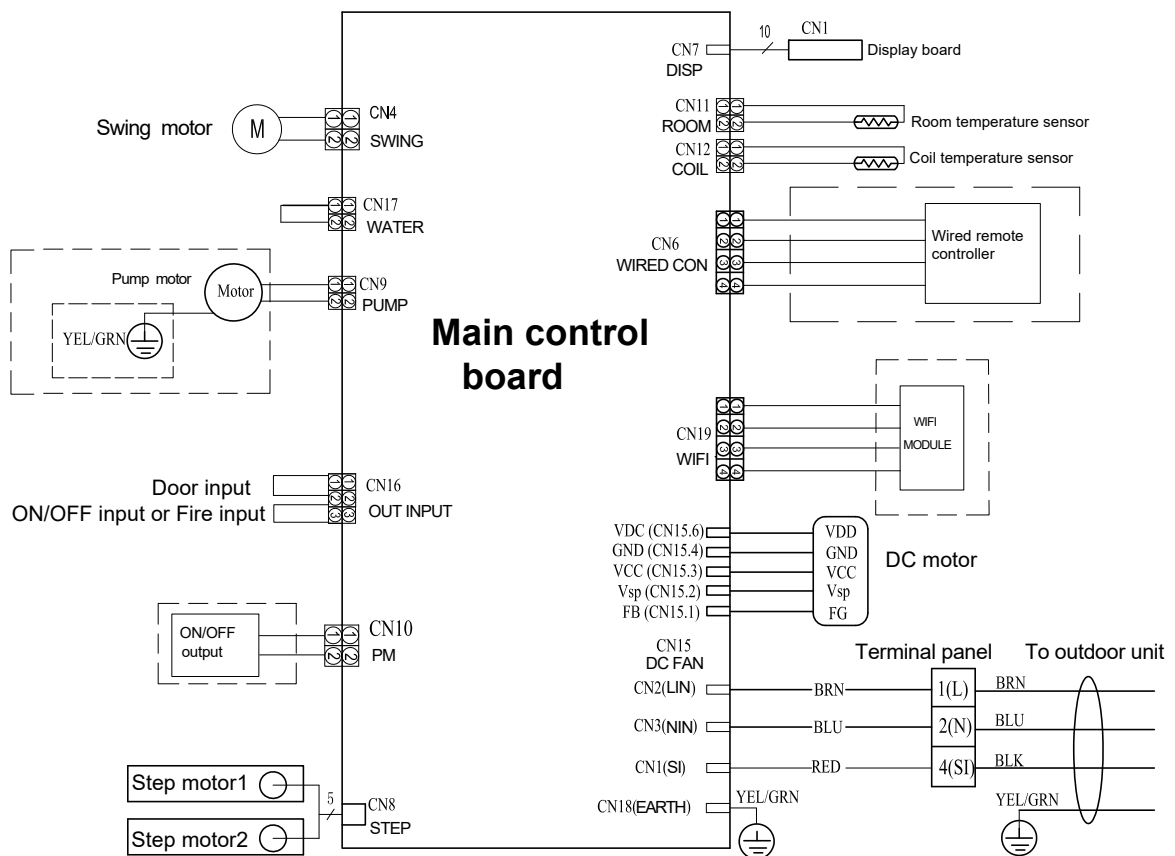
●--available part

10. WIRING DIAGRAM

Ceiling & Floor type

AVT-24UR4RB8
AUV-36UR4RC8
AUV-48UR4RC8
AUV-60UR4RC8

Electric wiring diagram 1935698,D



Remark:

Dashed parts are not available in some models.
Details see the table below.

Indoor units model	Step motor	Pump motor	WIFI module	Display board	Wired remote controller	ON/OFF output
21K~36K	●	●				
42K~48K	●			●		●

●--available part

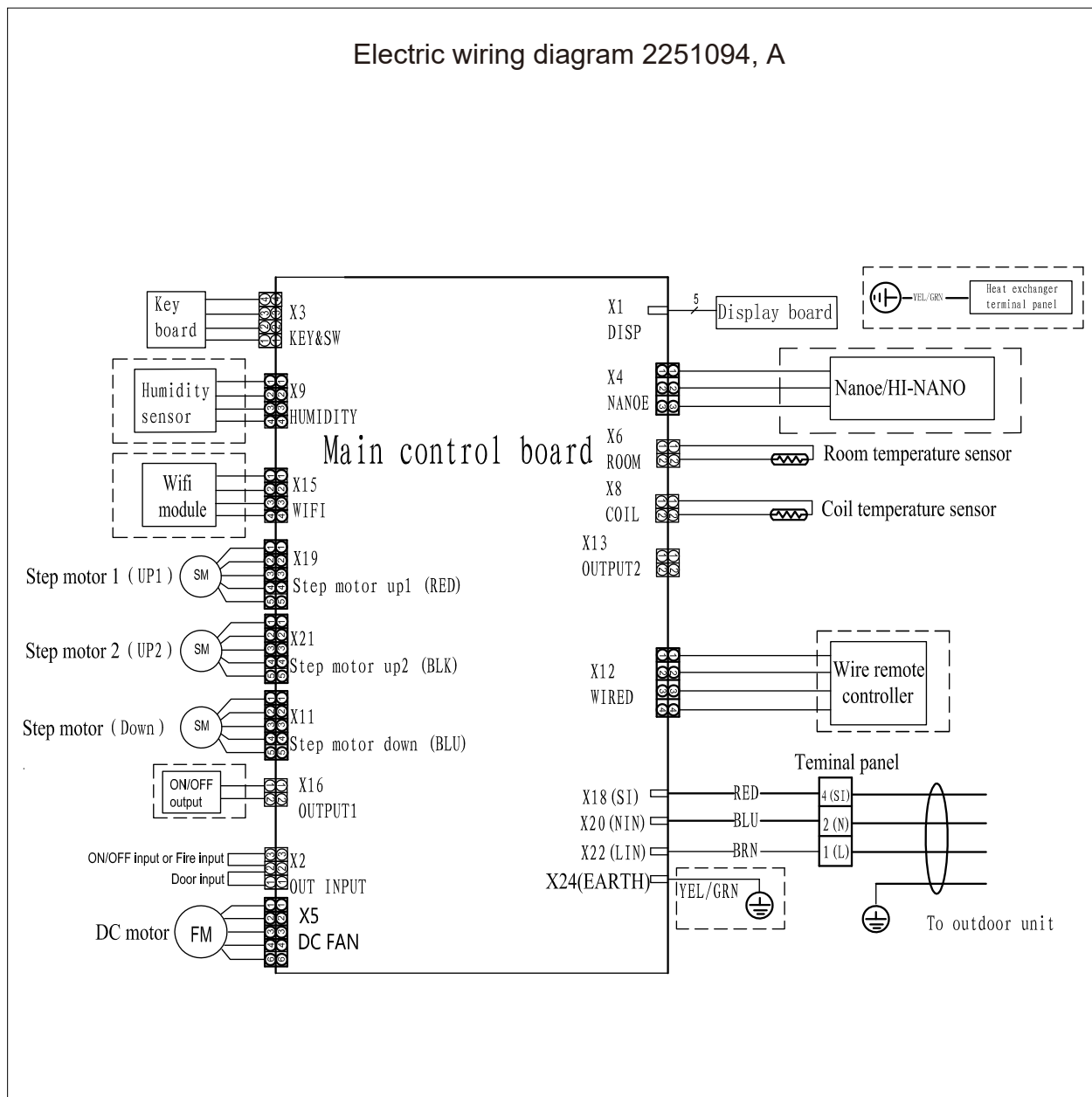
10. WIRING DIAGRAM

Console type

AKT-09UR4RK8

AKT-12UR4RK8

Electric wiring diagram 2251094, A



Remark:

Dashed parts are not available in some models.

Details see the table below.

Humidity module	Wifi module	ON/OFF output	EARTH	Wire remote controller	Hi-NANO/ Nanoe	Heat exchanger terminal panel
●	●				●	

●--available part

10. WIRING DIAGRAM

Outdoor unit

Turbo Inverter

AUW-09U4RS8

AUW-12U4RS8

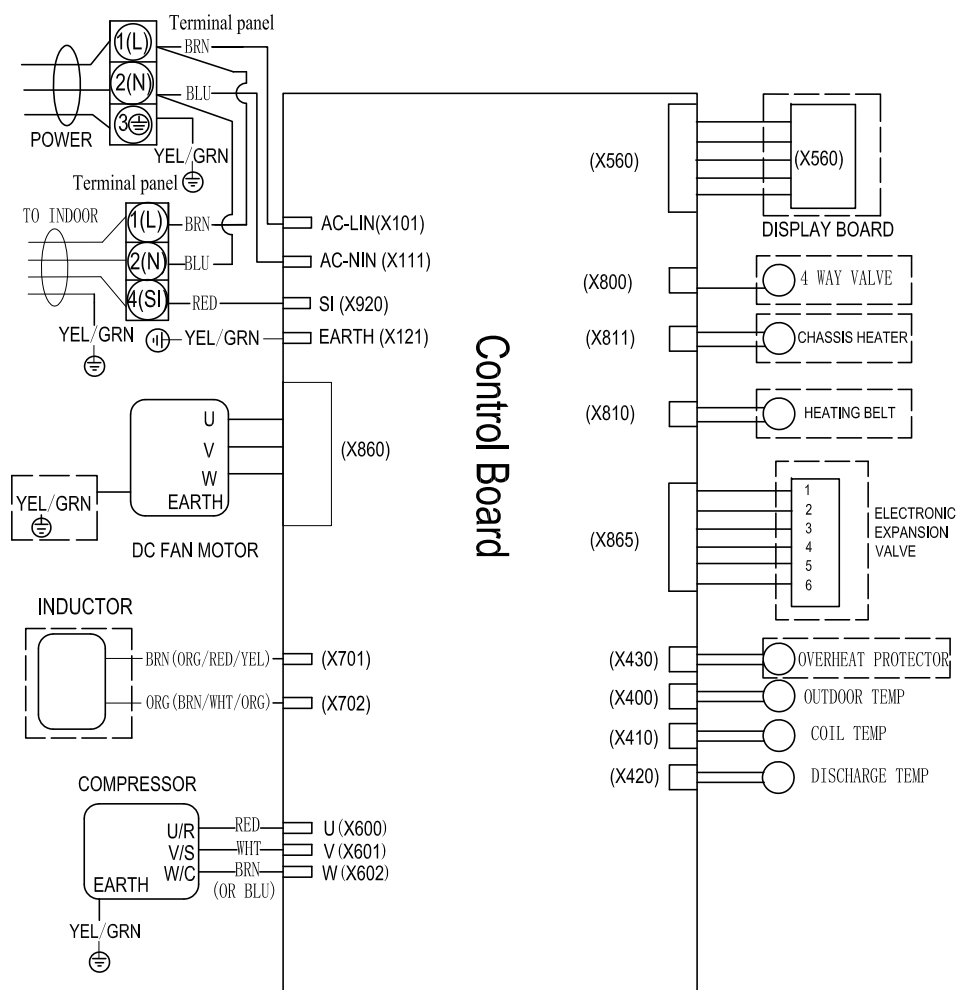
Super Inverter

AUW-18U4RS7

AUW-24U4RJ7

AUW-36U4RK7

Electric wiring diagram 2224063.B



Remark:

Dashed parts are not available in some models.

Details see the table below.

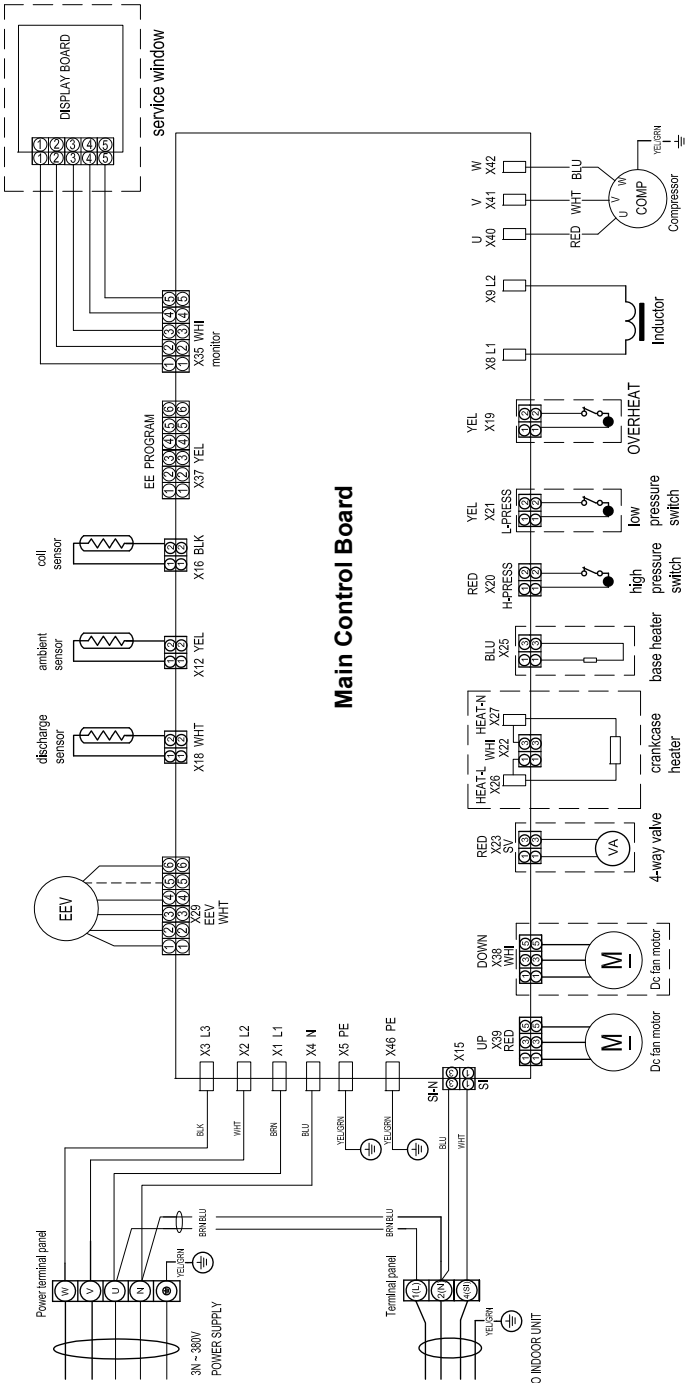
Outdoor units model	4-Way valve	Heating belt	Chassis heater	EEV	Overheat protector	Display board	Inductor (X701)	Inductor (X702)	DC fan motor earth
9~12	●	●		●		●			●
18~24	●	●		●		●	●	●	●

●--available part

10. WIRING DIAGRAM

Turbo Inverter
AUW-48U6RN8

Electric Wiring Diagram 2160105.B



Remark:
Dashed parts are not available in some models.
Details see the table below.

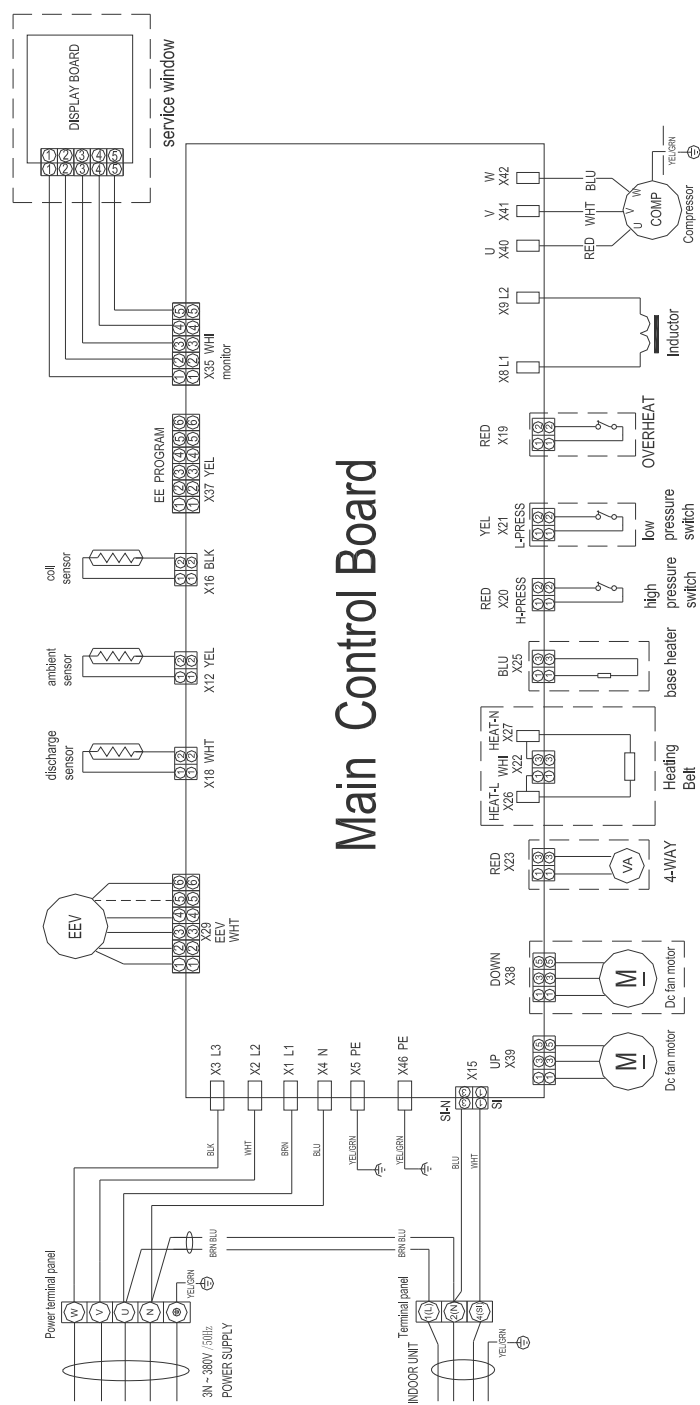
Outdoor unit	DC fan motor	4-way valve	Crankcase heater	Service window
48	●			●

● --available part

10. WIRING DIAGRAM

Turbo Inverter
AUW-60U6RW8

Electric Wiring Diagram 2328815.C



WARNING

High voltage danger: Outdoor power supply must be disconnected before maintenance. Until the LED power indicator on the outdoor control board is power off, it can be operated. Be sure to cut off the electricity before operating!

Remark:

Dashed parts are not available in some models.
Details see the table below.

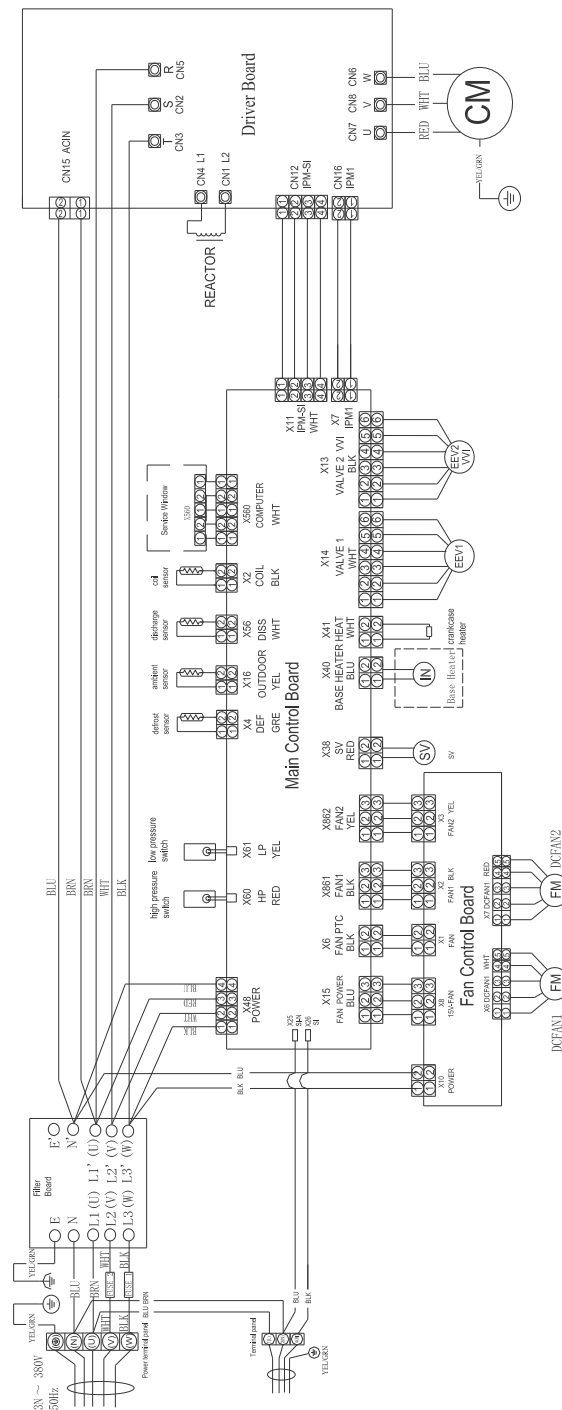
Outdoor unit	WHI monitor	Overheat	Low pressure switch	High pressure switch	Base heater	Heating belt	4-way valve	X38 DC fan motor	X39 DC fan motor
60	●		●	●	●	●	●		●

● --available part

10. WIRING DIAGRAM

Turbo Inverter AUW-85U6RZ8

Electric Wiring Diagram 2203433.E



Remark:

Dashed parts are not available in some models.
Details see the table below.

Outdoor unit	Service window
85	●

● --available part

10. WIRING DIAGRAM

10.2 Control board picture

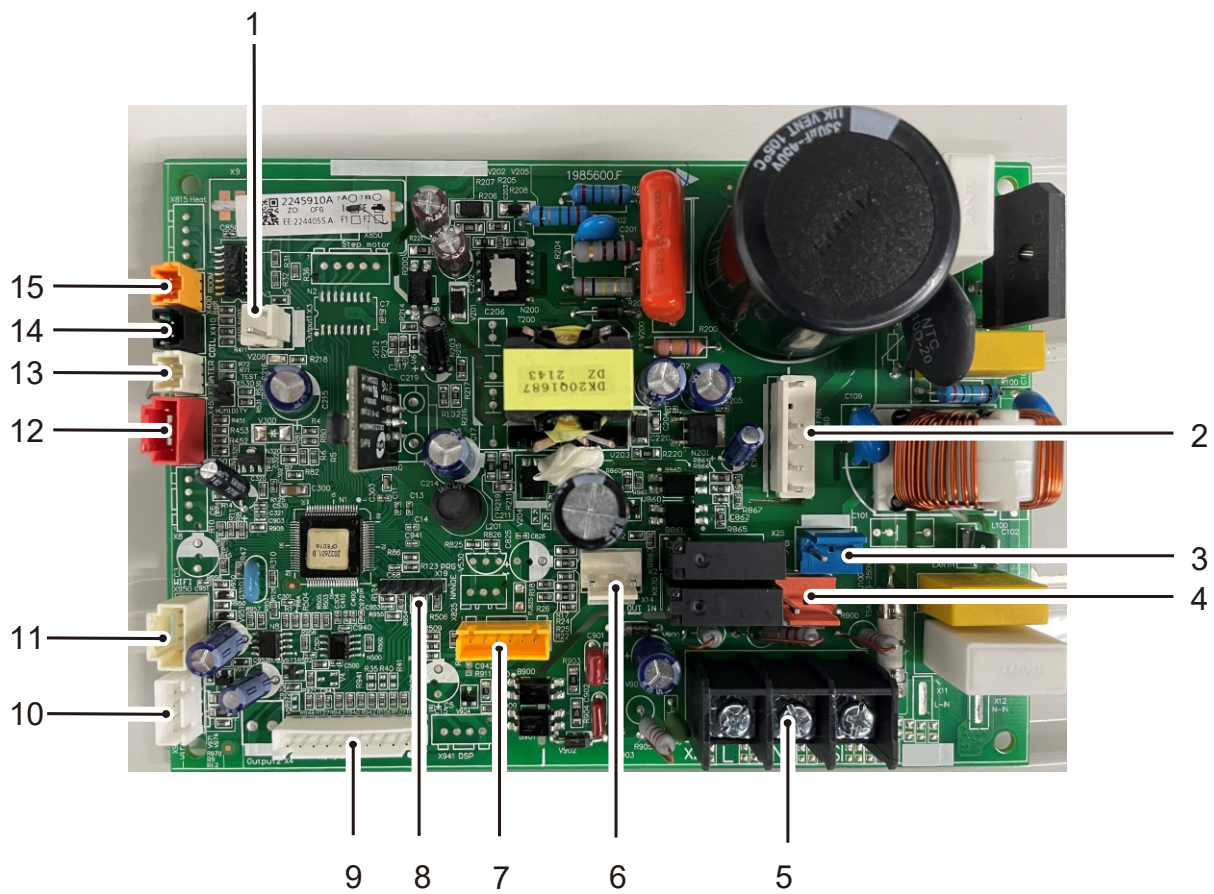
Indoor unit

Duct type

ADT-09UX4RBL8

ADT-12UX4RBL8

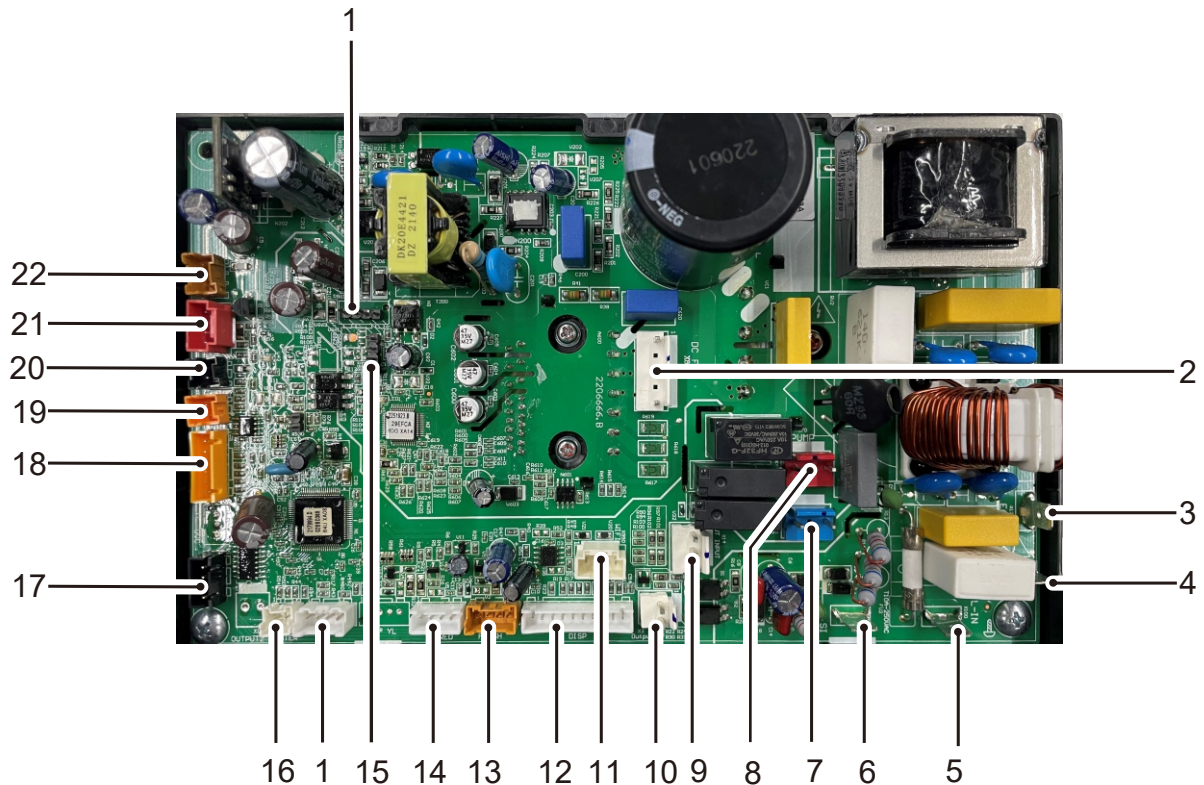
ADT-18UX4RCL8



NO.	Description	NO.	Description
1	OUTPUT	9	Display Interface
2	DC Fan Motor	10	Wired Controller
3	Hi-nano	11	WIFI Interface
4	Pump	12	Humidity Interface
5	L,N,SI-IN	13	Water Switch
6	Door Input ON/OFF Input or Fire Input	14	Coil Temperature Sensor
7	EERROM	15	Ambient Temperature Sensor
8	Program Port		

10. WIRING DIAGRAM

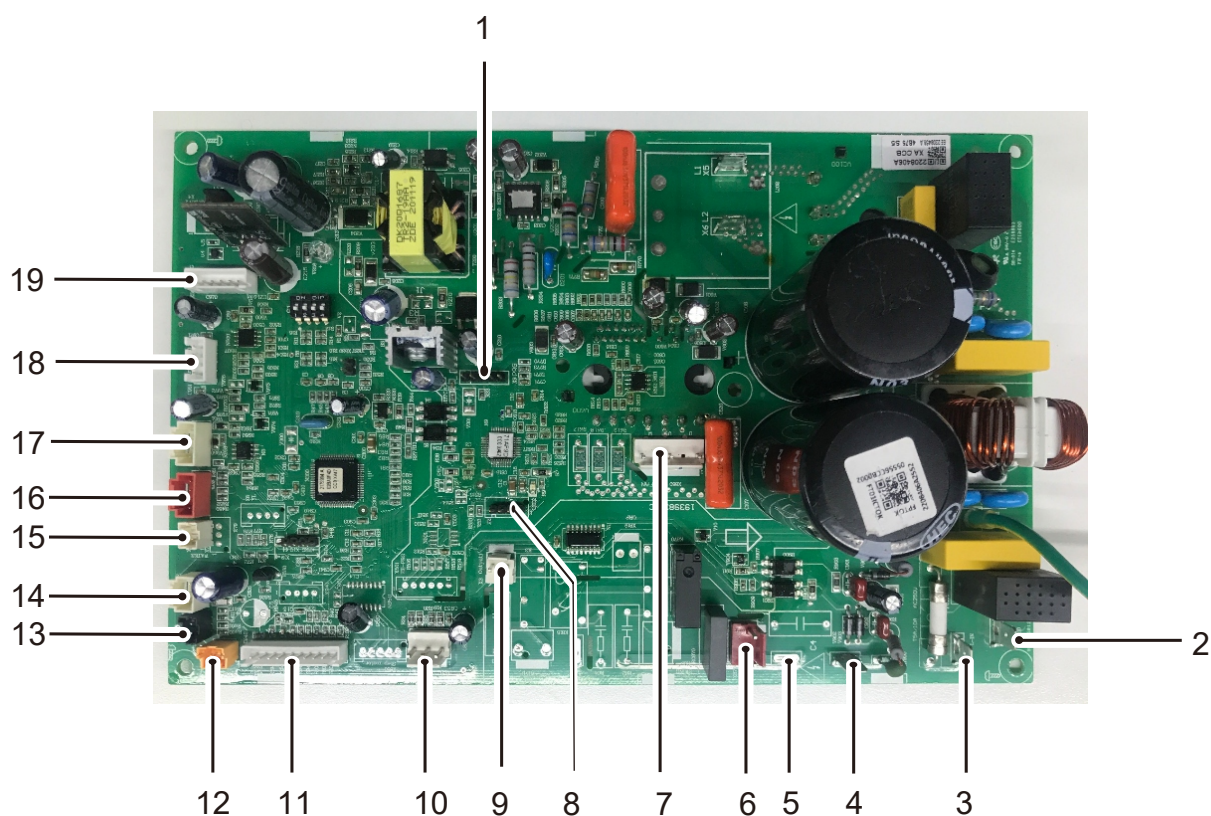
AUD-24UX4RFM8
 AUD-36UX4REH8
 AUD-48UX4REH8
 AUD-60UX4REH8



NO.	Description	NO.	Description
1	Program Port	12	Display Module
2	DC Fan Motor	13	Fresh Module
3	EARTH	14	Wired Controller
4	N-In Line	15	Test
5	L-In Line	16	Water Switch
6	Si Line	17	HEAT Controller
7	Hi-nano Module	18	EE-RRG
8	Pump Motor	19	Room Temperter Sensor
9	Door ON/OFF Input or Fire Input	20	Coil Temperter Sensor
10	12V-Output	21	Humidity Sensor
11	WIFI Interface	22	Nanoe Module

10. WIRING DIAGRAM

AUD-85UX4RPH8



NO.	Description	NO.	Description
1	PRG	11	Display Interface
2	N-IN	12	Ambient Temperature Sensor
3	L-IN	13	Coil temperature Sensor
4	SI-NI	14	Nanoe Mode
5	Heat N-Out	15	Water Level
6	PUMP	16	Humidity Interface
7	DC-FAN	17	WIFI Interface
8	TEST	18	Wired Controller
9	OUTPUT	19	EE-PRG
10	Door ON/OFF Input or Fire Input		

10. WIRING DIAGRAM

Compact Cassette type

ACT-12UR4RCC8

ACT-18UR4RCC8

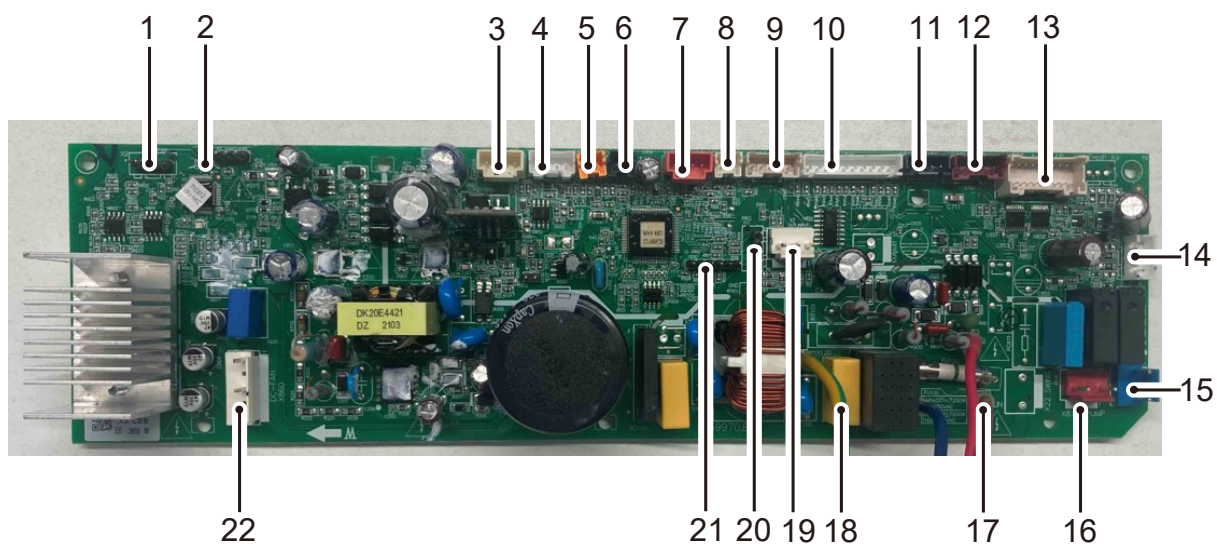
Cassette type

ACT-24UR4RJC8

AUC-36UR4RKC8

AUC-48UR4RKC8

AUC-60UR4RKC8

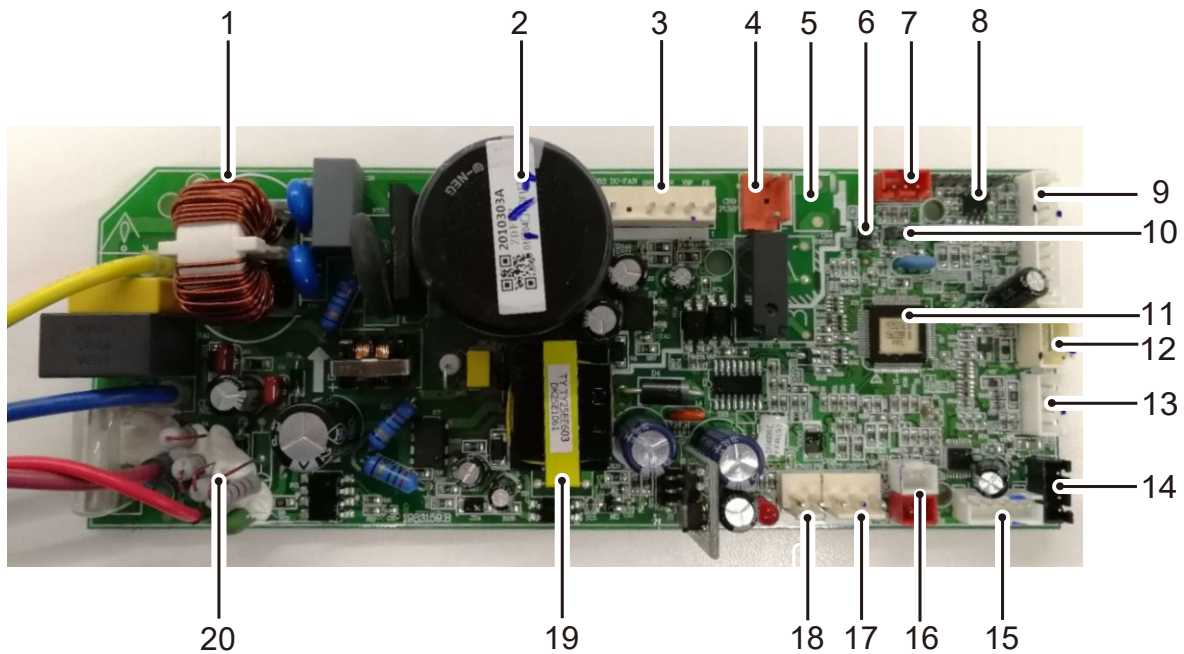


NO.	Description	NO.	Description
1	PRG-FAN	12	STEP Motor
2	Test	13	STEP Motor
3	Wi-Fi	14	Wired Controller
4	IR SENSOR	15	HI-NANO
5	Ambient Temperature Sensor	16	Pump
6	Coil Temperature Sensor	17	L/N/Si
7	Humidity Sensor	18	Earth
8	Water Level	19	Door ON/OFF Input or Fire Input
9	Display Interface	20	PRG
10	Display Interface	21	EE-PRG
11	Heater	22	DC Fan Motor

10. WIRING DIAGRAM

Ceiling & Floor type

AVT-24UR4RB8
 AUV-36UR4RC8
 AUV-48UR4RC8
 AUV-60UR4RC8



NO.	Description	NO.	Description
1	AC Power Filter	11	MCU & CPU
2	Main Control Component Code	12	WIFI Interface
3	DC Motor	13	Wired Controller
4	Pump Motor	14*	Electric Heater
5	Swing Motor	15	Step Motor
6	TEST	16	Temperature Sensor
7	Water Switch	17	Door ON/OFF Input or Fire Input
8	EE	18	Out Put
9	Display Interface	19	Switching Power Supply
10	PRG	20	Communication With Outdoor Unit

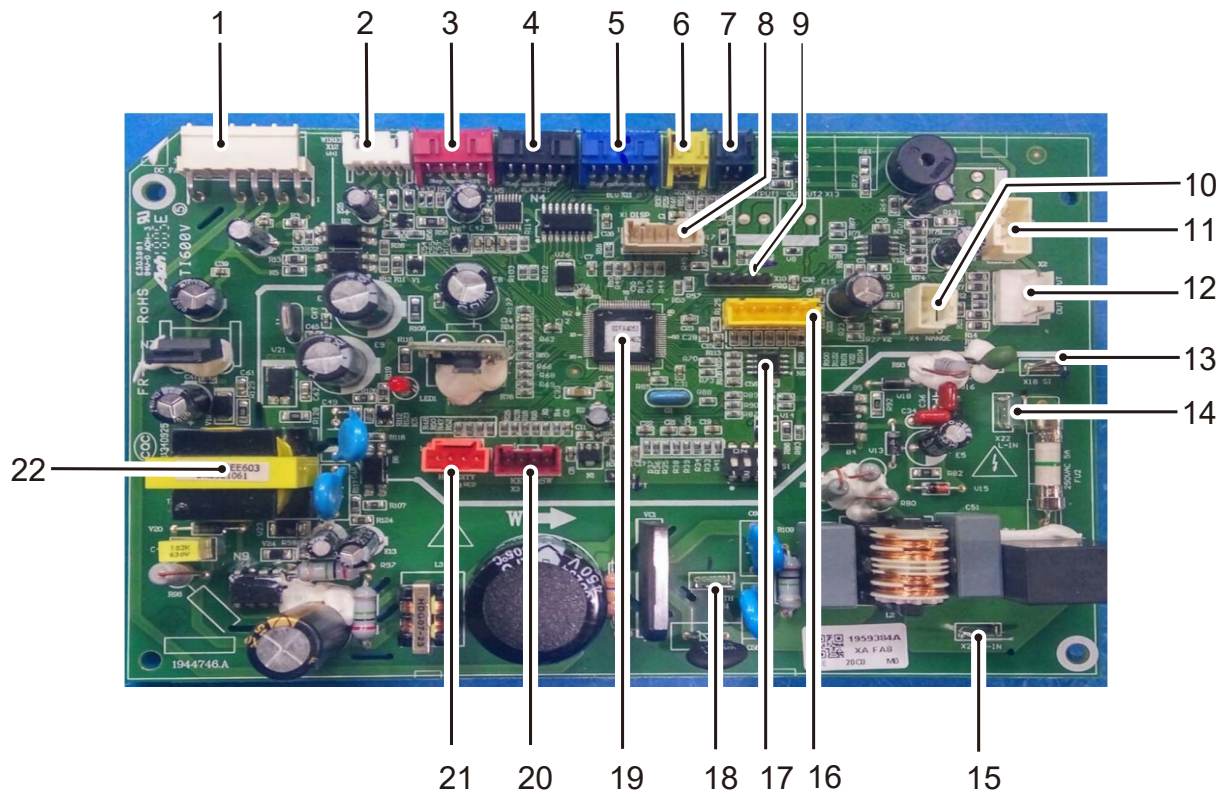
*: Only applicable to 48/60 model.

10. WIRING DIAGRAM

Console type

AKT-09UR4RK8

AKT-12UR4RK8



NO.	Description	NO.	Description
1	DC Fan Motor	12	Outside Input
2	Wire Controller	13	SI-IN
3	Step Motor-UP1	14	Lin
4	Step Motor-UP2	15	Nin
5	Step Motor-DOWN	16	PRG
6	Ambient Temperature Sensor	17	EE
7	Coil Temperature Sensor	18	EARTH
8	Display Interface	19	MCU
9	EEPROM	20	Key Board
10	NANOE	21	Humidity Sensor
11	WIFI Interface	22	Switching Mode Power Supply

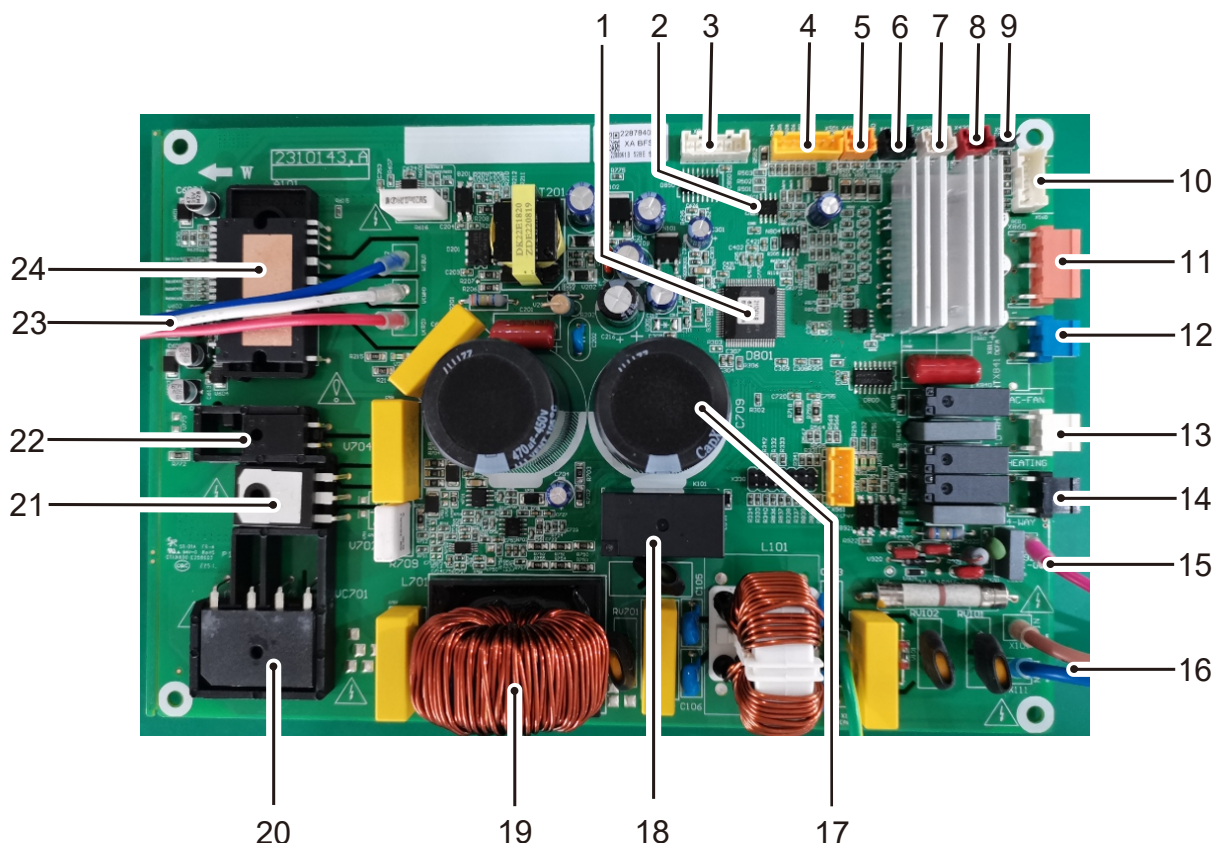
10. WIRING DIAGRAM

Outdoor unit

Turbo Inverter

AUW-09U4RS8

AUW-12U4RS8



NO.	Description	NO.	Description
1	MCU	13	Heating Belt Interface
2	EEPROM and EEPROM Circuit	14	4-Way Valve Circuit and Interface
3	Electronic Expansion Valve	15	Communication Circuit and SI Wire
4	EEPROM Flashing	16	L/N Power Input
5	Ambient Temp Sensor	17	Filter Electrolytic Capacitor
6	Coil Temp Sensor	18	Main Relay
7	Discharge Temp Sensor	19	Differential Mode Inductor
8	OVERLOAD	20	Bridge Rectifier
9	FORCE	21	IGBT
10	PC Monitoring Interface	22	Diode
11	DC Fan Motor IPM Module Circuit	23	Compressor U/V/W
12	DCFA	24	IPM

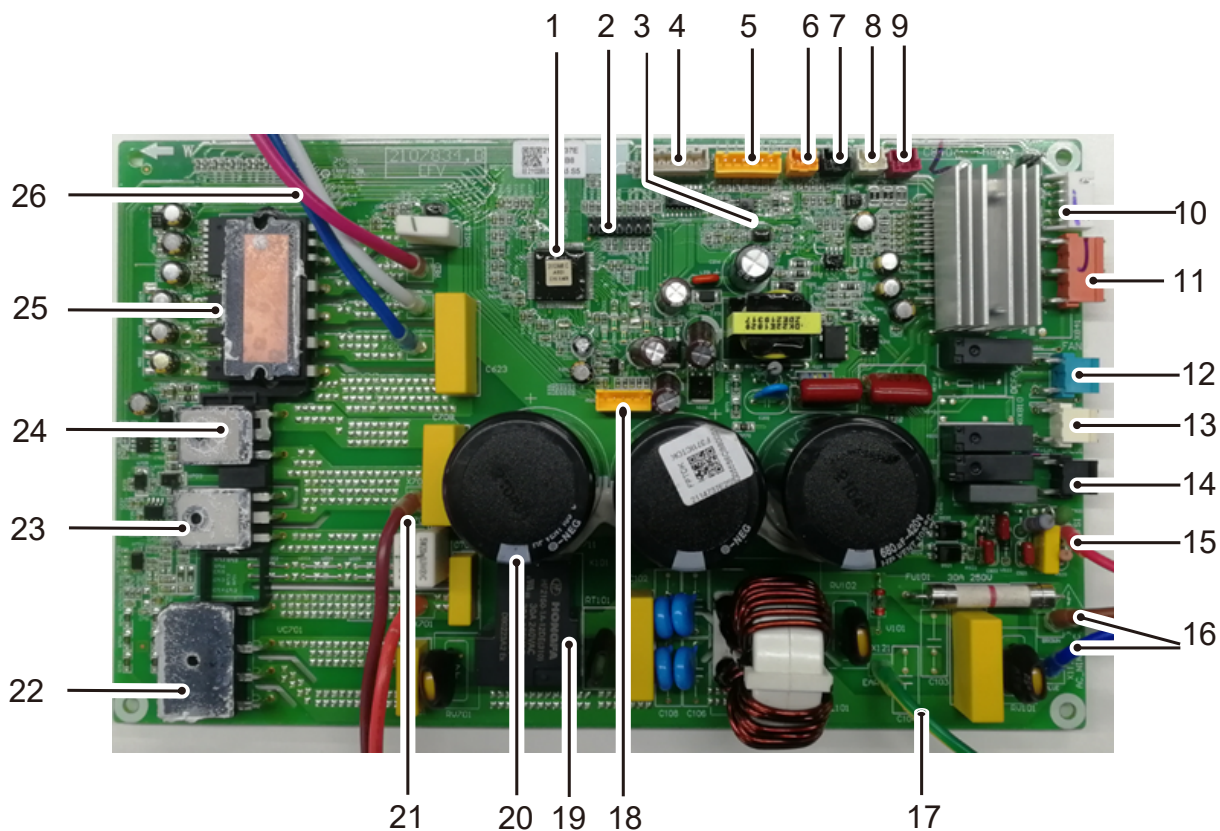
10. WIRING DIAGRAM

Super Inverter

AUW-18U4RS7

AUW-24U4RJ7

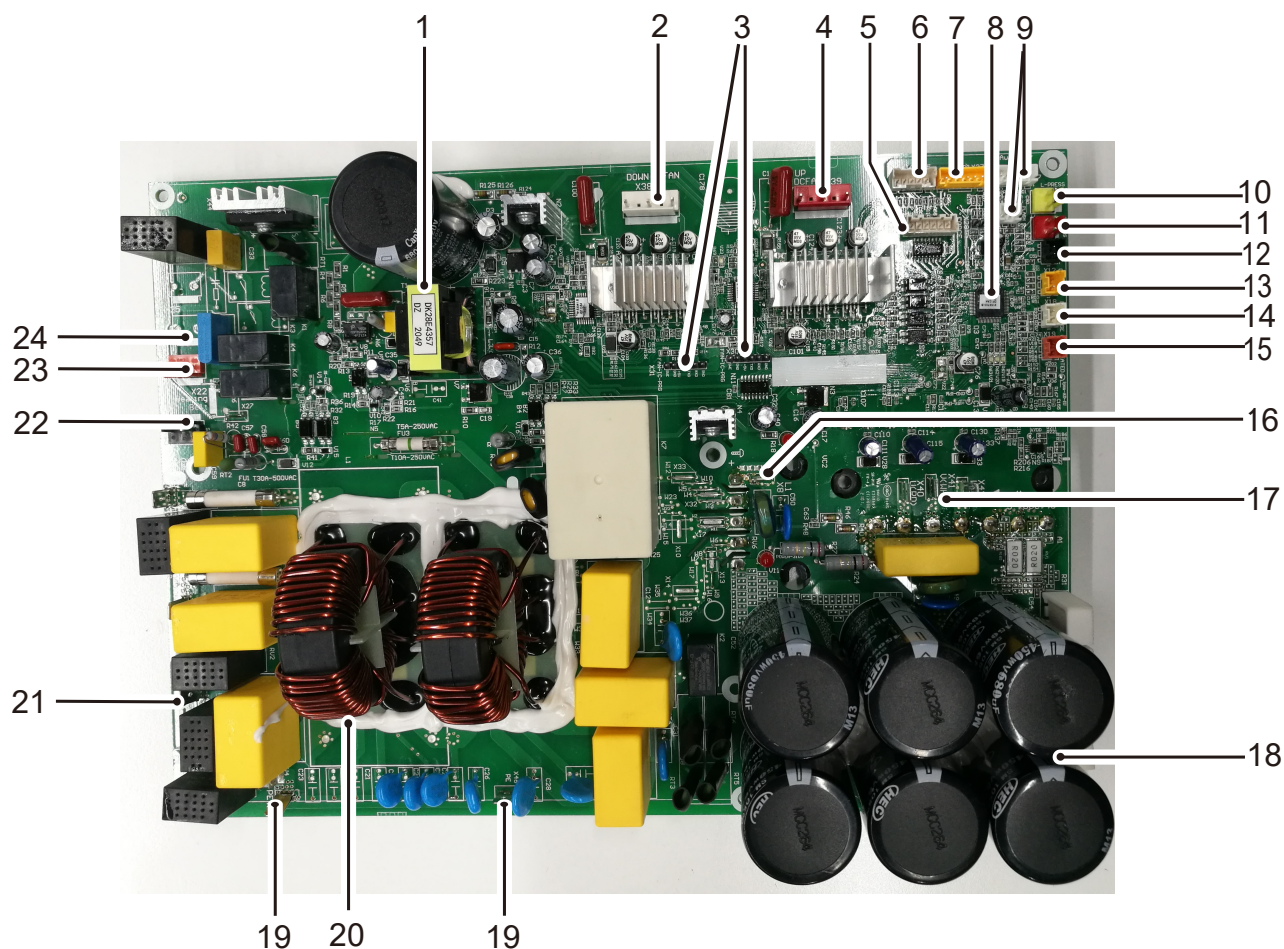
AUW-36U4RK7



NO.	Description	NO.	Description
1	MCU	14	4-Way Valve Circuit and Interface
2	Program Port	15	Communication Circuit and SI Wire
3	EEPROM and EEPROM Circuit	16	L/N Power input
4	Electronic Expansion Valve	17	EARTH
5	EEPROM Flashing	18	Watcher
6	Ambient Temperature Sensor	19	Main Relay
7	Coil Temperature Sensor	20	Filter Electrolytic Capacitor
8	Discharge Temperature Sensor	21	Electric Reactor Wire
9	Compressor Overheat Protector	22	Bridge Rectifier
10	Checker	23	IGBT
11	DC Fan Motor IPM Module Circuit	24	Diode
12	Base Heater Interface	25	IPM
13	Heating Belt Interface	26	Compressor U/V/W

10. WIRING DIAGRAM

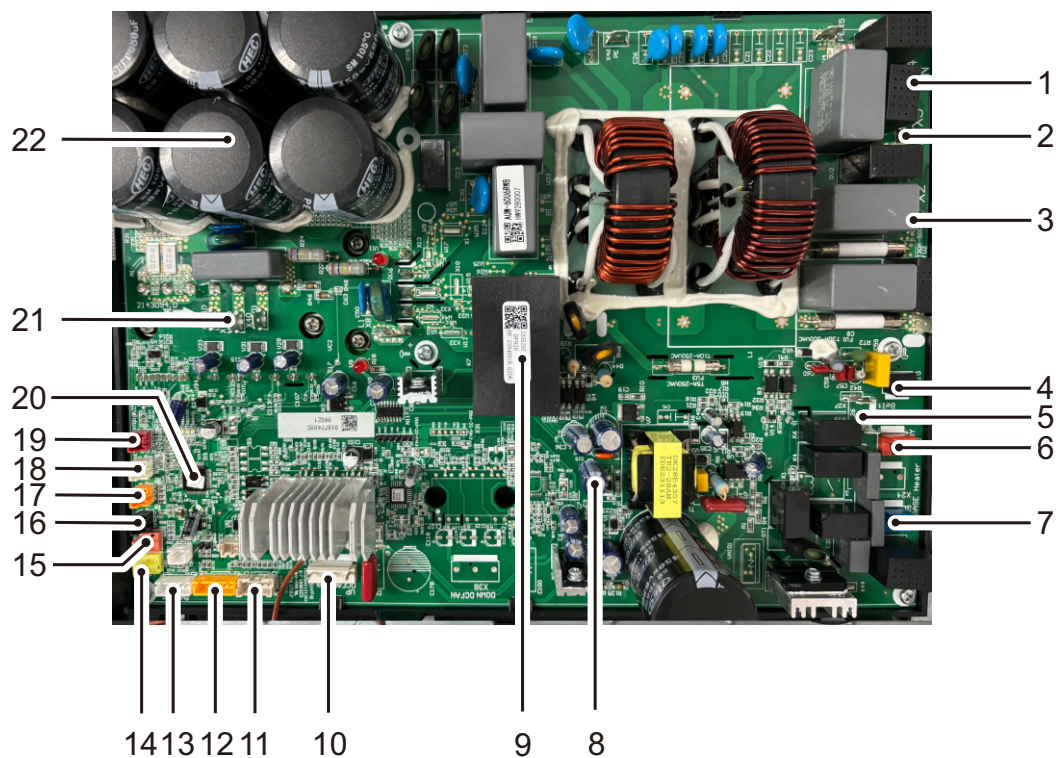
Turbo Inverter AUW-48U6RN8



NO.	Description	NO.	Description
1	Switching Power Supply	13	Ambient Temperature Sensor
2	DC Fan Motor (Down)	14	Discharge Temperature Sensor
3	FAN-IC-PRG	15	Overload Protection Switch
4	DC Fan Motor (Up)	16	Inductance
5	EEV	17	Compressor U/V/W
6	Checker	18	Capacitor
7	EE-PRG	19	EARTH
8	MCU & CPU	20	AC Power Filter
9	Watcher+FLASH	21	AC Power In
10	Low Pressure Switch	22	Communication With Indoor Unit
11	High pressure switch	23	Compressor Heater
12	Coil Temperature sensor	24	4-Way Valve Circuit and Interface

10. WIRING DIAGRAM

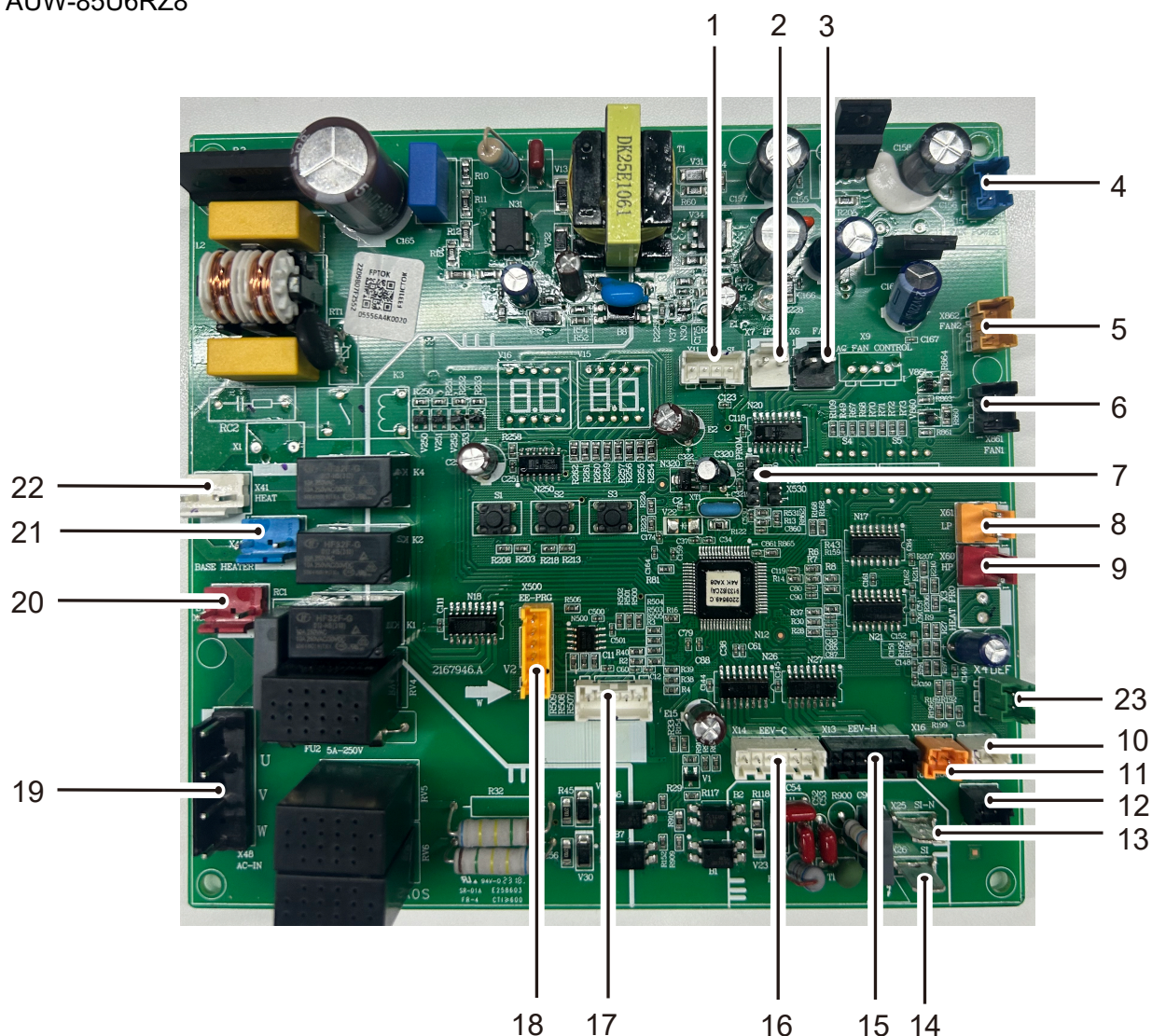
Turbo Inverter AUW-60U6RW8



NO.	Description	NO.	Description
1	AC IN-N	12	EE-PRG
2	AC IN-L3	13	Awatcher
3	AC IN-L2	14	Low Pressure Switch
4	SI	15	High Pressure Switch
5	Heating belt Interface	16	Coil Temperature Sensor
6	4-Way Valve Circuit and Interface	17	Ambient Temperature Sensor
7	Base Heater	18	Discharge Temperature Sensor
8	Filter Electrolytic Capacitor	19	Overload Protection Switch
9	Main Relay	20	MCU
10	DC Fan Motor	21	Compressor U,V,W Wire
11	Watcher+FLASH	22	Power Diode

10. WIRING DIAGRAM

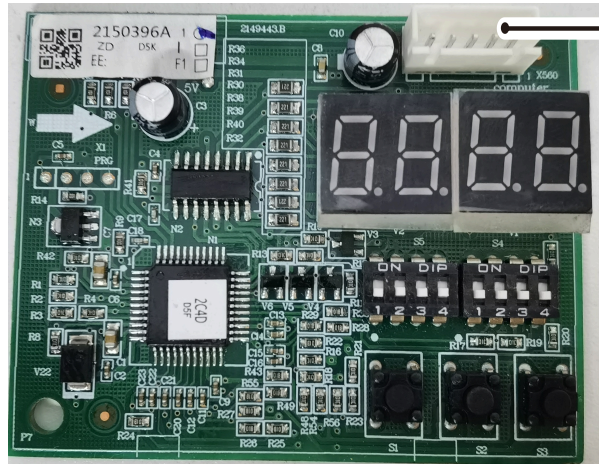
Turbo Inverter AUW-85U6RZ8



NO.	Description	NO.	Description
1	IPM-SI	13	SI-N
2	IPM1	14	SI
3	FAN	15	EEV-H
4	Fan Power	16	EEV-C
5	Fan Motor2	17	Computer
6	Fan Motor1	18	EE
7	Program Port	19	Power U/V/W
8	Low Pressure Switch	20	SV
9	High Pressure Switch	21	Base Heater
10	Discharge Temperature Sensor	22	HEAT
11	Outdoor Temperature Sensor	23	Defrost Temperature Sensor
12	Coil Temperature Sensor		

10. WIRING DIAGRAM

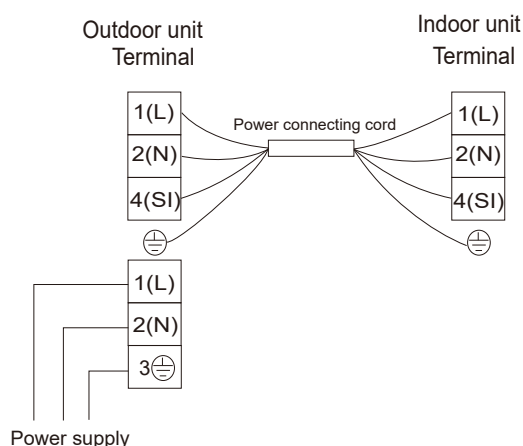
Service window PCB



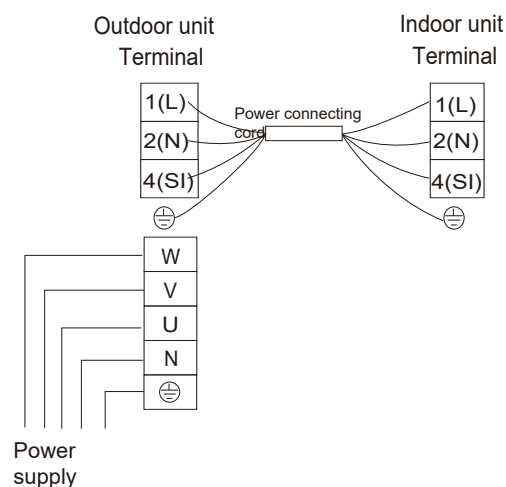
Communication signal
to main board

10. WIRING DIAGRAM

10.3 Common wiring



Single phase models



Three phase models

Recommend Wire Size

Super Inverter	Turbo Inverter	Power Supply	Power Source Cable Size	Transmitting Cable Size	Circuit Breaker (A)
			EN60335-1*1	EN60335-1*1	
/	9/12	220-240V~, 50Hz	3×1.5mm ²	4×1.5mm ²	10
18		220-240V ~, 50Hz	3×2.5mm ²	4×1.5mm ²	16
24		220-240V ~, 50Hz	3×4.0mm ²	4×1.5mm ²	20
36	/	220-240V ~, 50Hz	3×6.0mm ²	4×1.5mm ²	25
/	48	380-415V 3N ~ ,50Hz	5×2.5mm ²	4×1.5mm ²	16
/	60	380-415V 3N ~ ,50Hz	5×2.5mm ²	4×1.5mm ²	20
/	85	380-415V 3N ~ ,50Hz	5×2.5mm ²	4×1.5mm ²	25

Max. Running Current(A): REFERTO NAMEPLATE

- Use an ELB (Electric Leakage Breaker).
- Do not operate the system until all the check points have been cleared.

(A) Check to ensure that the insulation resistance is more than 2 Mega Ohm, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.

(B) Check to ensure that the stop valves of the outdoor unit are fully opened and then start the system.

- Pay attention to the following items while the system is running.

Do not touch any of the parts by hand at the discharge gas side, since the compressor chamber and the pipes at the discharge side are heated higher than 90°C.

10. WIRING DIAGRAM

Note:

- (1) Follow local codes and regulations when select field wires, and all the above are the minimum wire size.
- (2) Use the wires which are not lighter than the ordinary polychloroprene sheathed flexible cord. (Cord designation H07RN-F).
- (3) The wire sizes marked with *1 in the above table are selected at the maximum current of the unit according to the National Standard, EN60335-1.
- (4) When transmitting cable length is more than 15 meters, a larger wire size should be selected. When it is more than 50 meters, it is necessary to add an adapter box (model: C551 (E)) to increase the communication distance of the current loop. (For specific connection operations, please refer to the installation and operation manual of C551 (E)).
- (5) Install main switch and ELB for each system separately. Select the high response type ELB that is acted within 0.1second. Recommended capacity to see table above.
- (6) In the case that power cables are connected in series, add each unit maximum current and select wires below.

Selection According to EN60335-1

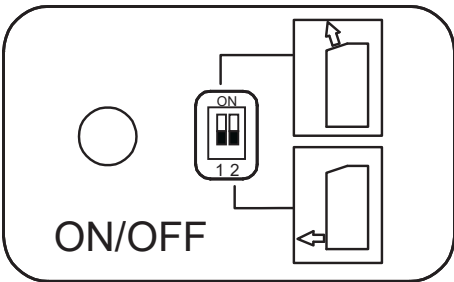
11. Field setting

11.1 Indoor unit air flow DIP switch

Change the air flow dip switch to ON to limit the air flow direction.

Step:

- (1) Remove the front grille.
- (2) Switch the dipswitch on right side of the panel to ON.



Switch setting	Air flow	
	Cooling	Heating

11.FIELD SETTING

11.2 Outdoor unit DIP switch

DIP Switch Setting of Outdoor Unit (Optional setting)

1. Turn on all power sources before setting. Without turning on, the switches settings are not refreshed and might be invalid.
2. Mark of "■" indicates the position of DIP switches.

S4 DIP switch setting		S5 DIP switch setting	
Factory Setting	ON ☐ OFF ☒ ☐ ☐ ☐ ☐ 1 2 3 4	Factory Setting	ON ☐ OFF ☒ ☐ ☐ ☐ ☐ 1 2 3 4
Pump Down Switch	ON ☐ OFF ☒ ☐ ☐ ☐ ☐ 1 2 3 4	Energy management	ON ☐ OFF ☒ ☐ ☐ ☐ ☐ 1 2 3 4
Forced Defrost	ON ☐ OFF ☒ ☐ ☐ ☐ ☐ 1 2 3 4	Cooling Only	ON ☐ OFF ☒ ☐ ☐ ☐ ☐ 1 2 3 4

Forced defrost mode

Operation:

Dial the switch from OFF to ON before turning on the appliance, and set it in heating mode, then it will run with manual defrosting mode at once.

Cooling only set

Operation:

Heating mode will be invalid after the DIP has been dialed.

Energy management

Actions:

The air conditioner will run more energy-saving and reduce the noise outdoor unit .

Pump down mode

Actions:

The compressor runs with the target frequency, and without any protection when frequency rises; The EEV runs with setting opening; Outdoor unit fan will run with the set fan speed.

Operation procedures:

The thermostat is turned off during the whole process.

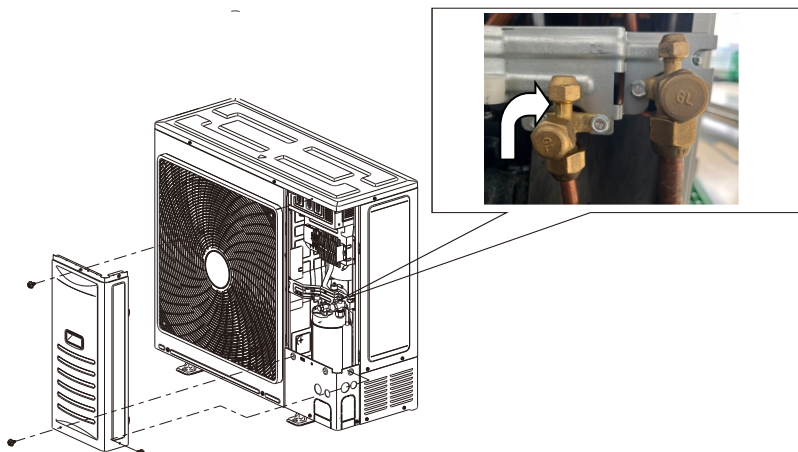
Please power off before operation.

Step 1:

Open the wiring cover on the right side of the machine.

Step 2:

Close the stop valve of the liquid piping with an Allen wrench in a clockwise direction.



36(W8)



Other models

11.FIELD SETTING

Step 3:

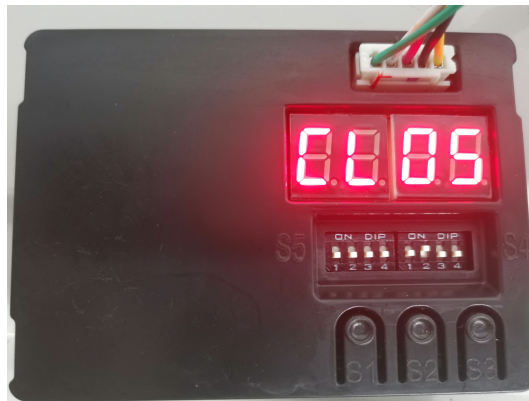
Switch on the machine power.

Step 4:

Switch S4-2 to ON position on the checker board, the outdoor unit starts, and the current frequency value is displayed on the LED digital tube of the checker board.

Step 5:

The frequency value will keep changing until "CLOS" is displayed on the LED digital tube of the checker board, then please check whether the liquid stop valve is closed.

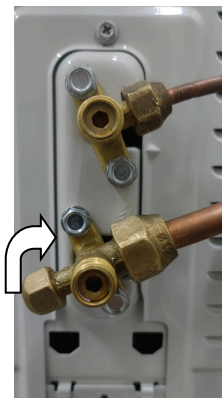


Step 6:

When "GOOD" is displayed on the LED digital tube of the checker board, please close the stop valve of the gas piping with an Allen wrench in a clockwise direction within 10s.



36(W8)



Other models

Step 7:

Cut off machine power and the procedure for recovering refrigerant is finished.

11. FIELD SETTING

11.3 ESP setting (Duct type only)

During the installation, choose proper static pressure according to the actual conditions within the range below to meet the user's requirements.

The static pressure can be freely adjusted by using specific wired remote controller.

Model	The Range of Static Pressure	Function Code Set
9~18 (LSP)	0-50Pa	0-50 function code value equals static pressure value, [default: 35 (35Pa)]
24 (MSP)	0-150Pa	0-150 function code value equals static pressure value, [default: 100 (100Pa)]
36~60	0-200Pa	0-200 function code value equals static pressure value, [default: 100 (100Pa)]
85	0-250Pa	0-250 function code value equals static pressure value, [default: 150 (150Pa)]

Note: The pressure loss of filter is not included in the ESP data above.

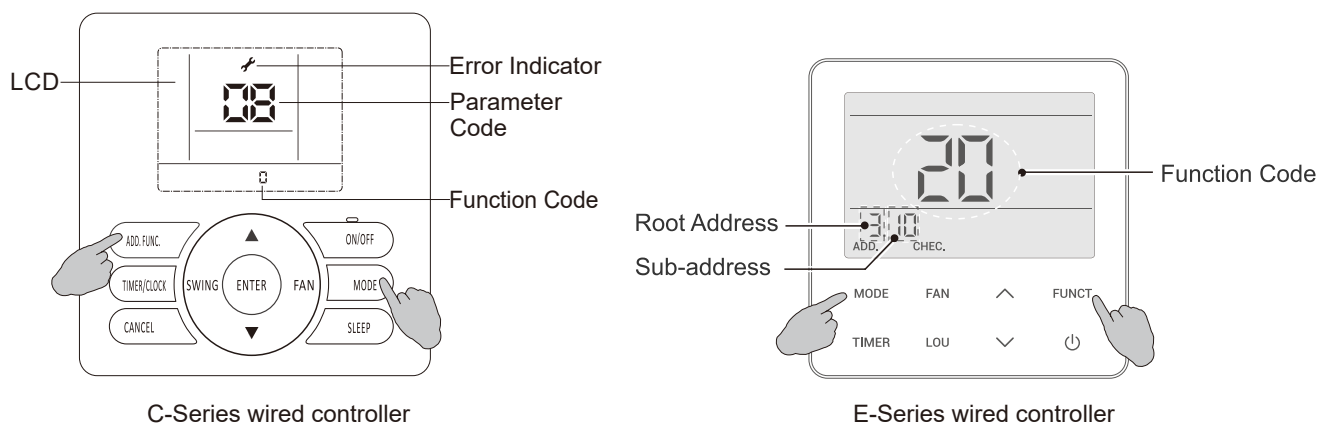


Fig 6.2

ESP setting (C-Series wired controller):

- 1 Press and hold "MODE" button and "ADD.FUNC." button for 3 seconds, symbol  and parameter code starts blinking at the same time.
- 2 Press "▲/▼" button to adjust parameter number until "17" is displayed, and press "ENTER" button to enter system parameter adaption state, symbol  stops blinking.
- 3 Select desired parameter code 10 by pressing "▲/▼" button, and press "ENTER" button to confirm.
- 4 Select desired function code to rewrite the parameter values by pressing "▲/▼" button, and press "ENTER" button to confirm.
- 5 Press "ON/OFF" button or "CANCEL" button to quit.

ESP setting (E-Series wired controller):

- 1 Press both “FUNCT” button and “MODE” button for 3 seconds, to enter
Then, icon “ADD.” and “CHEC.” will be always on.
- 2 Press “MODE” / “TIMER” button to set root address as “ 3 ”.
- 3 Press the “FAN ”/ “LOU” button to increase or decrease the sub-address, and select the desired sub-address
value 10.
- 4 Press the “^ ”/ “v” button to select desired parameters, and press “FUNCT” button to confirm.
- 5 Press  button to quit.

If you still have any trouble, please contact local technical service center of our company for further information.

11. FIELD SETTING

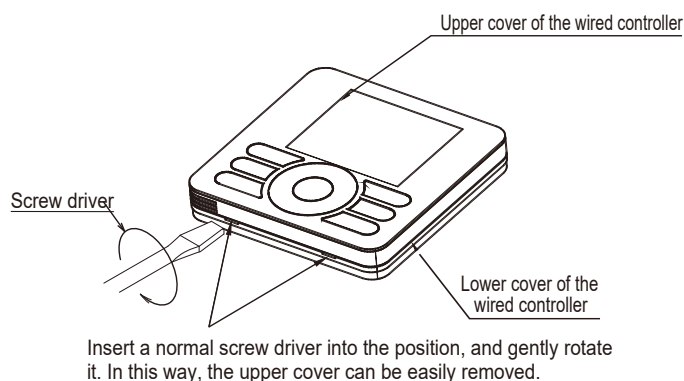
11.4 Indoor unit parameter revision

Internal control parameter adjustment can be performed using wired controller.

C-Series wired controller

1) Connecting wired controller with the indoor unit

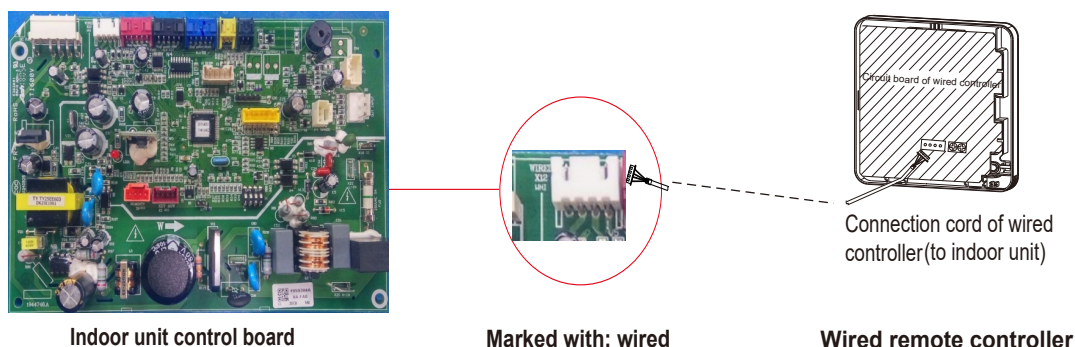
Step 1: Remove the upper cover of the wired controller



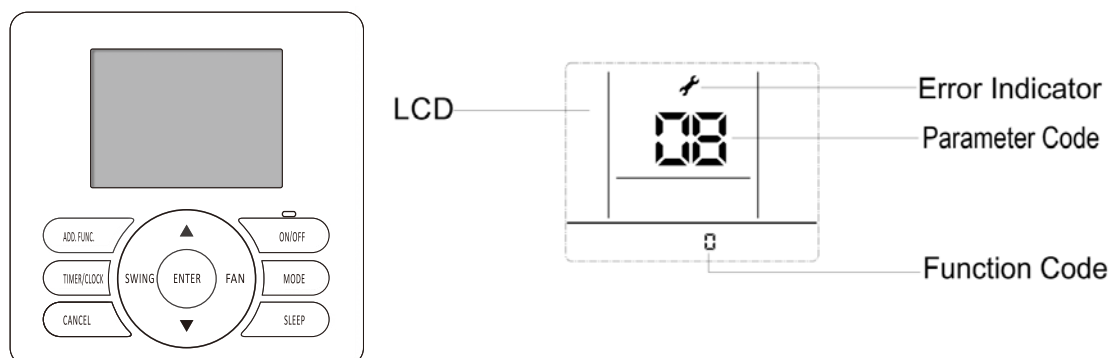
NOTE:

Control board of the remote controller is placed on upper cover. Please protect it from being scratched during removal and installation!

Step 2: Connect the wired controller with the indoor unit



2) Changing system parameter



OPERATION:

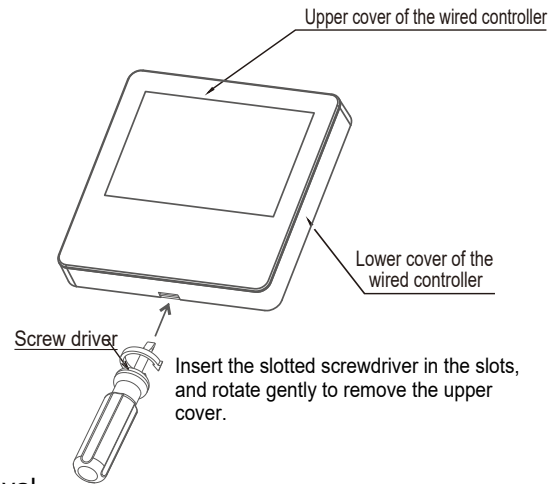
- ① Hold down both "MODE" button and "ADD.FUNC." button for 3 seconds, symbol and parameter number blink at the same time.
- ② Press "▲" / "▼" button to adjust parameter number until "17" is displayed. And press "ENTER" button to enter system parameter adaption state and symbol stops blinking, parameter number blinks.
- ③ Select desired parameter code by pressing "▲" / "▼" button following the table below, and press "ENTER" button to confirm.
- ④ Select desired function code by pressing "▲" / "▼" button, and press "ENTER" button to confirm.

11. FIELD SETTING

E-Series wired controller

1) Connecting wired controller with the indoor unit

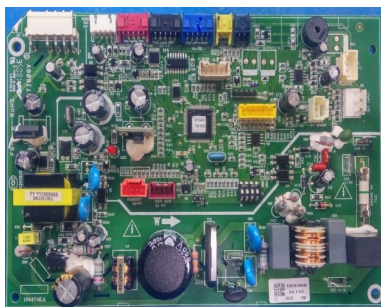
Step 1: Remove the upper cover of the wired controller



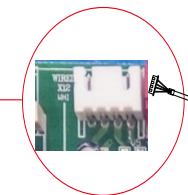
NOTE:

Control board of the remote controller is placed on upper cover. Please protect it from being scratched during removal and installation!

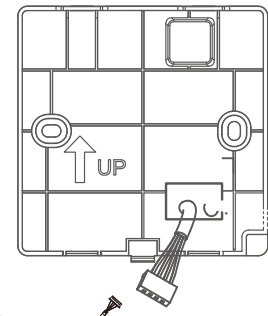
Step 2: Connect the wired controller with the indoor unit



Indoor unit control board



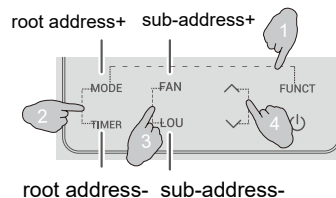
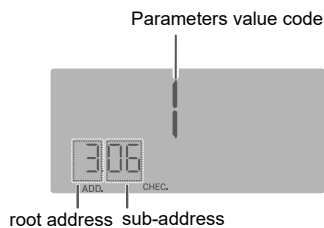
Marked with: wired



Connection cord of wired controller (to indoor unit)

Wired remote controller

2) Changing system parameter



OPERATION:

1. Press and hold the "FUNCT" and "MODE" button for 3s at the same time to enter the parameter self-setting state, Then the "CHEC." and "ADD." icon will be always on.
2. Press the "MODE" / "TIMER" button to increase or decrease the root address as 3.
3. Press the "FAN" / "LOU" button to increase or decrease the sub-address, and select the desired sub-address value.
4. Press the "∧" / "∨" button to set parameters, and press "FUNCT" button to confirm.
5. Press the "⏻" button to exit without settings.

11. FIELD SETTING

PARAMETER CODE	PARAMETER DESCRIPTION	PARAMETER VALUE&REPRESENTATION		NOTE
		DATA TYPE	REPRESENTATION (FUNCTION CODE)	
1	Self Recovery of Power Break	Integer	0: Cancel Self Recovery of Power Break function; 1: Self Recovery of Power Break; others: invalid	
2	Temperature Type	Integer	0: Centigrade Temperature; 1: Fahrenheit Temperature; others: invalid	
3	Temperature Display Type	Integer	0: Default display set temperature; 1: Default display room temperature; others: invalid	
4	Ratio of ambient temperature sensed by indoor temperature sensor(cooling mode)	Integer	0~10valid, more than 10 default is10 0: 0%; 1: 10%; ...; 10: 100%	0-entirely use. temperature.sensed by wired.remote controller;.10-entirely use.temperature.sensed by indoor.unit
5	Filter Clean Indication	Integer	0: Cancel Filter Clean prompt function; 1: Set Filter Clean prompt function; others: invalid	
6	Filter Clean Time Set	Integer	0~32, more than 32 default is 32*1000h	
7	Installation Height Compensation	Integer	0~10m, more than 10m default is 10. =0,1,2 :no fan speed compensation; =3: increase fan speed; =4~10: increase more fan speed.	
8	Cooling Temperature Compensation (indoor unit temperature sensor)	Integer	0 :0°C ; 1 :-0.5°C ; 2 :-1°C ; 3 :-1.5°C ; 4 :-2°C ; 5 :-2.5°C ; 6 :-3°C ; 7 :-3.5°C ; 8 :-4°C ; 9 :-4.5°C ; 10 :-5°C.(the wired controller displays integer with the symbol)	
9	Heating Temperature Compensation (indoor unit temperature sensor)	Integer	0 :0°C ; 1 :-0.5°C ; 2 :-1°C ; 3 :-1.5°C ; 4 :-2°C ; 5 :-2.5°C ; 6 :-3°C ; 7 :-3.5°C ; 8 :-4°C ; 9 :-4.5°C ; 10 :-5°C.(the wired controller displays integer with the symbol)	
10	Static Pressure Set	Integer	1~240, function code=static pressure more than the limit static pressure default the limit static pressure, Default is 0(default static pressure, related to models)	Duct type (DC motor)
12	Ratio of temperature sensed by indoor temperature sensor(Heating mode)	Integer	0~10valid, more than 10 default is10 0: 0%; 1: 10%; ...; 10: 100%	0-entirely use. temperature.sensed by wired.remote controller;.10-entirely use.temperature.sensed by indoor.unit
13	Temperature Adjustment-Cooling	Character	-10~10°C (Single Character with symbol)	Temperature displayed on wired controller
14	Temperature Adjustment-Heating	Character	-10~10°C (Single Character with symbol)	Temperature displayed on wired controller

11. FIELD SETTING

PARAMETER CODE	PARAMETER DESCRIPTION	PARAMETER VALUE&REPRESENTATION		NOTE
		DATA TYPE	REPRESENTATION (FUNCTION CODE)	
25	Access control, fire protection, ON/OFF function set	Integer	=0, Access control, fire protection functions are all invalid; =1, Access control1 function is valid; =2, fire protection function is valid; =3, Access control1, fire protection are all valid; =4, ON/OFF1 function is valid; =5, ON/OFF2 function is valid; =6, Access control2, fire protection are all valid; =7, Access control3, fire protection are all valid;	
26	Constant air volume	Integer	0: Constant air volume function is invalide; 1: Constant air volume function is valid.	
27	Hi-NANO function	Integer	0: Hi-NANO function is valid; 1: Hi-NANO function is invalid.	
28	Deep cool mode	Integer	0: Deep cool mode is invalid; 1: Deep cool mode is valid.	

11. FIELD SETTING

11.5 Running Parameter Check

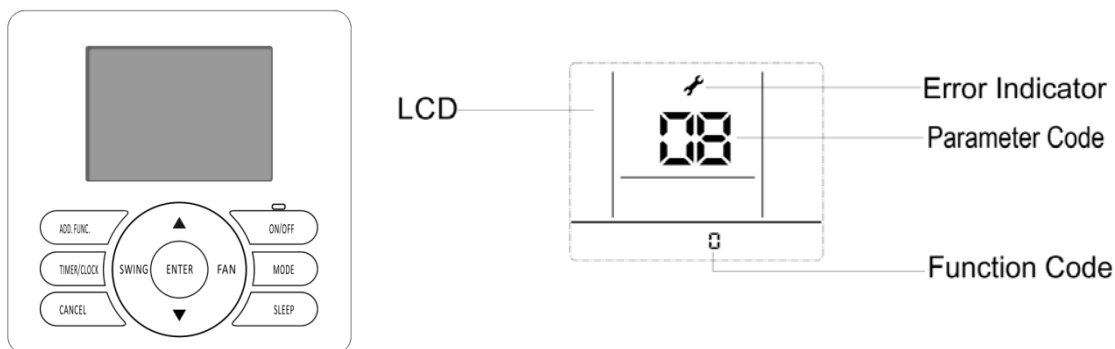
Running parameter can be referred to by 7 segment display or specified wired remote controller.

Check by wired controller

Operation:

1. Connect wired controller with indoor unit (same method with Indoor unit parameter revision)
2. Change the system parameter

MODEL: YXE-C01U1(E)



OPERATION:

- (1) Hold down both "MODE" button and "ADD.FUNC." button for 3 seconds, symbol  and parameter number blinks at the same time.
- (2) Press "▲" "▼" button to select parameter number as you need, parameter value will be displayed on the LCD.

MODEL: YXE-E01U(E)



OPERATION:

- (1) Hold down both "MODE" button and "FUNCT" button for 3 seconds, then the "CHEC." and "ADD." icon will be always on.
- (2) Press "MODE" / "TIMER" button to increase/decrease the root address as 2.
- (3) Press "FAN" / "LOU" button to increase/decrease the sub-address, and select the desired sub-address value.

11. FIELD SETTING

Parameter Code	Parameter Description
06	Indoor unit air inlet temperature
07	Indoor unit coil sensor temperature
08	Outdoor unit ambient sensor temperature
09	Discharge temperature
10	Suction temperature
11	Outdoor coil temperature
12	Discharge pressure
13	Suction pressure
14	Outdoor EEV opening
15	AC current input
16	AC voltage
24	Error code
25	Drive error code
26	Indoor unit air outlet temperature
28	Compressor current
29	Indoor unit room temperature
30	Indoor unit coil inlet temperature
31	Indoor unit coil outlet temperature
32	Outdoor unit condenser inlet temperature
33	Outdoor unit condenser outlet temperature
43	Outdoor unit defrost temperature
57	Outdoor fan 1 speed
58	Outdoor fan 2 speed
60	Indoor fan speed

11. FIELD SETTING

11.6 Instructions for ON/OFF Input Control and Output Control Functions and Settings

11.6.1 Function Introduction

● ON/OFF Input Control

ON/OFF-1 Input Control (**Saving Access Control Mode.**)

It is a kind of control mode to control the machine startup & shutdown based on the on & off input signal. It is an Access Control usually for Room Card control or Window control.

ON/OFF-2 Input Control (**Common Access Control Mode, or Dry Contact Mode**)

It is a kind of control mode to control the machine startup & shutdown based on the on & off input signal. It is an Access Control usually for Room Card control or Window control.

ON/OFF-3 Input Control (**Comfort Access Control Mode**)

It is a kind of control mode to control the machine startup & shutdown based on the on & off input signal. It is an Access Control usually for Room Card control or Window control.

ON/OFF-4 Input Control (**Fire Protection Mode**)

It is a kind of control mode to control the machine startup & shutdown based on the on & off input signal. It is a special control usually for fire protection.

ON/OFF-5 Input Control (**ALL On/All Off Mode A for strict local control**)

It is a kind of control mode to control the machine startup & shutdown based on the on & off input signal. It is a strict local control for all on/all off control.

ON/OFF-6 Input Control (**ALL On/All Off Mode B for flexible local control**)

It is a kind of control mode to control the machine startup & shutdown based on the on & off input signal. It is a flexible local control for all on/all off control.

● Output Control

There is 12V DC signal output when AC Error occurs.

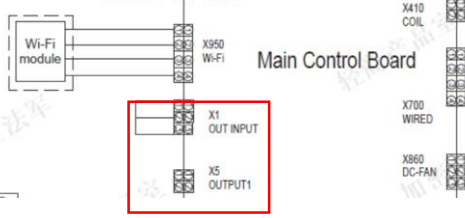
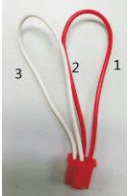
From the 12V DC output, the error can be identified by alarm lights, alarm bells, etc.in the distance.

11.6.2 Function Setting

In case of using or cancelling ON/OFF Input Control functions, use the wired controller to modify the parameters of indoor unit.

The Output Control function is ready for the indoor unit. The installer do not need to modify the parameters of indoor unit with the wired controller. Just connect the output adapter HS 2089912 in Fig1 to output 12V DC signal.

Pins of the OUT INPUT shown in the electrical wiring diagram in Fig.2 are in short circuit state before shipment (an external short circuit adapter of ON/OFF input is shown as Fig.3).

		
Fig.1 12V DC output adapter HS 2089912	Fig.2 Example of wiring diagram	Fig.3 ON/OFF input adapter

11. FIELD SETTING

Table 1 Field setting of indoor unit by the wired controller

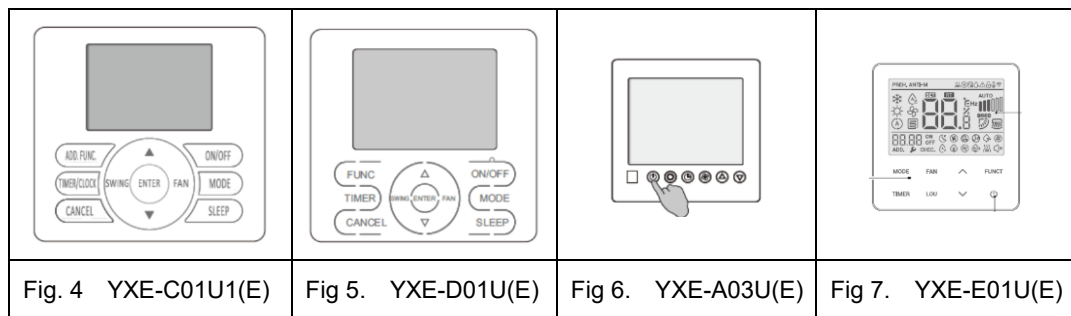
Field setting	ON/OFF Input Control						Output Control
	Red Line			White Line			12V DC Output
Wired Controller	ON OFF-1	ON OFF-2	ON OFF-3	ON OFF-4	ON OFF-5	ON OFF-6	
0							YES
1	YES						YES
2				YES			YES
3	YES			YES			YES
4					YES		YES
5						YES	YES
6		YES		YES			YES
7			YES	YES			YES

Installer need to do the field setting of indoor unit by the wired controller according to the table1. Installer can use YXE-C01U1(E), YXE-D01U(E), YXE-E01U(E), YXE-E02U(E), or YXE-A03U(E) to do field setting.

And YXE-C01U1(E) is recommended.

Field setting step: Parameter 17→Parameter25→Set 0~7. For detailed setting step, please refer to the examples.

For detailed controller instruction, please refer to the Controller TSM.



11.6.3 Detailed Description

ON/OFF-1, ON/OFF-2, ON/OFF-3 Input Control is very similar. And they are usually used for the same kind of demand (for example room card) for different detailed requirement.

Table 2 Control logic of Input Control Modes

ON/OFF	ON Input			OFF Input		
	AC	Wired Controller	Controller control	AC	Wired Controller	Controller control
ON OFF-1	Standby	Standby	YES	Standby after 30s	Standby	NO
ON OFF-2	back to last setting	back to last setting	YES	Standby after 30s	Standby	NO
ON OFF-3	back to last setting	back to last setting	YES	Low Energy Saving	ON	Yes (Temperature and Fan Speed blocked)
ON OFF-4	Standby	Standby	YES	Standby after 3s	Standby	NO
ON OFF-5	ON (OFF blocked)	ON (OFF blocked)	YES (OFF blocked)	Standby after 0s	Standby	NO (ON blocked)
ON OFF-6	ON	ON	YES	Standby after 0s	Standby	YES

11. FIELD SETTING

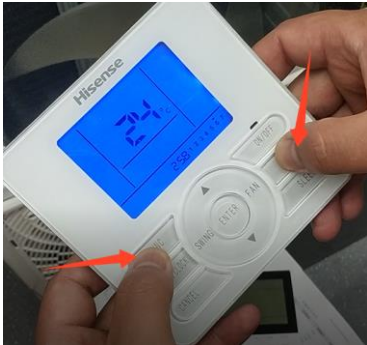
11.6.4 Function Examples

- Field Setting of ON/OFF-5 available

We choose the ON/OFF-5 as an example of field setting. And the installer can set other modes in refer to this example.

Installer should use field setting 4 to activate ON/OFF-1 and ON/OFF-4 together according to table 1.

Step 1 Hold down both “MODE” button and “ADD.FUNC.” button for 3 seconds to enter field setting mode.



Step 2 Set parameter to 17, then Enter.



Step 3 Set parameter to 25, then Enter.



Step 4 Set parameter to 4, then Enter.



Step 5 Press Off and exit.



11. FIELD SETTING

- Some project requirement of ON/OFF modes

(1) Project requirement for ON/OFF-1

For some hotel projects, the air conditioner will turn off when people pull out the room card, then check out and leave the hotel. And the air conditioner will not turn on automatically when another people come in and inset the room card in the hourly room situation because the end user is always changing and the usage habit is different. Installer should choose ON/OFF-1 for this kind of projects.

(2) Project requirement for ON/OFF-2

For some hotel projects and apartment and house projects, the air conditioner will turn off when people pull out the room card and leave the hotel. And the air conditioner will turn on automatically when people come back and inset the room card. The end user is the same one and it is good to remember the user's usage habit.

Installer should choose ON/OFF-2 for this kind of projects.

And for some window contact requirement, installer can connect the window contact sensor to the input control port and choose ON/OFF 2.

(3) Project requirement for ON/OFF-3

In some hot area and countries, when people come back to hotel and inset the room card, the air conditioner will turn on. But people have to wait for 5~10 minutes until the room is cooled down. So people do not want the air conditioner off when the room card is pulled out and they want the air conditioner still on but in low energy consumption modes. Installer should choose ON/OFF-3 for this kind of projects.

For Smart Grid of air conditioner for BAFA in 2023, installer can choose ON/OFF-3.

(4) Project requirement for ON/OFF-4

In some special projects, the tender documents require that the air conditioner should be linked to the fire signal and stops when there is a fire.

Installer should choose ON/OFF-4 for this kind of projects.

(5) Project requirement for ON/OFF-5

In some close control system, we need the backup function. Usually there is two air conditioners and if one breaks down, another one will turn on automatically.

Installer should choose ON/OFF-5 for this kind of projects. Installer needs to connect a 12V DC Relay to Output Control port of Air Conditioner A and Input Control port of Air Conditioner B.

And if the air conditioner A error happens, 12V DC signal will control the relay to be ON, then the ON Input signal will control air conditioner B ON automatically.

(6) Project requirement for ON/OFF-6

The front desk staff presses a switch and all the air conditioners in the building can be turn on by the users when people comes into office. And when people leave the office, the front desk staff will press the switch to be off and all the air conditioners in the buildings will be off. If some people need to work overtime in the office, they can turn on the air conditioner locally by the remote controller or wired controller.

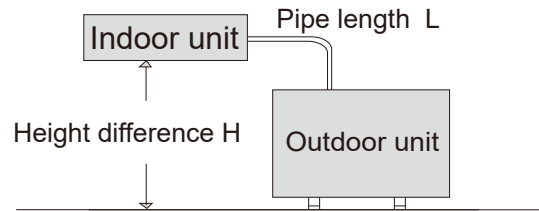
Installer should choose ON/OFF-6 for this kind of projects.

It is not friendly to choose ON/OFF-5 for this kind of projects because the people working overtime in the office can not turn on the air conditioner locally after the front desk switch is off.

12. PIPING WORK AND REFRIGERANT CHARGE

12. Piping work and refrigerant charge

12.1 MAX. length allowed



Super Inverter	Min. pipe length (L)	Max. Pipe length (L)	Max. Height difference (H)
18	4(m)	50(m)	30(m)
24	4(m)	60(m)	30(m)
36	4(m)	65(m)	30(m)

Turbo Inverter	Min. pipe length (L)	Max. Pipe length (L)	Max. Height difference (H)
9/12	4(m)	35(m)	15(m)
48	4(m)	75(m)	30(m)
60	4(m)	85(m)	30(m)
85	5(m)	100(m)	30(m)

Additional Refrigerant Charge

The unit has been filled with refrigerant.

For 9~18 model, The outdoor unit is pre-charged with refrigerant to accommodate a total piping length of 5m.

Additional refrigerant (R32) is required for extending the piping beyond 5m:

Additional refrigerant charge $= (L-5) \times 15\text{g/m}$

For 24/36 model, The outdoor unit is pre-charged with refrigerant to accommodate a total piping length of 5m. Additional refrigerant (R32) is required for extending the piping beyond 5m:

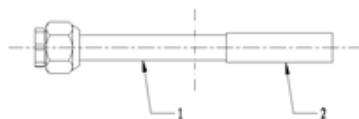
Additional refrigerant charge $= (L-5) \times 35\text{g/m}$

For Turbo Inverter 48~85 model, The outdoor unit is pre-charged with refrigerant to accommodate a total piping length of 7.5m. Additional refrigerant (R32) is required for extending the piping beyond 7.5m:

Additional refrigerant charge $= (L-7.5) \times 35\text{g/m}$

* 1. Do your best to reduce the pipe length. Long pipe may cause capacity of the indoor unit incline.

2. Online Accessories: (85 Model)

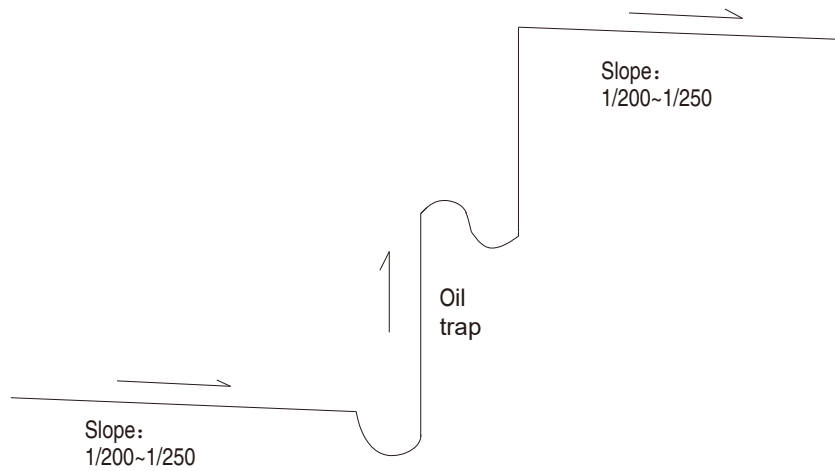


The size of the on-line tube is 7/8in. , When welding on-line tube , method 1 can cut off the on-line accessories according to the dotted line position of tube 1 , and then insert it into 7/8in. on-line tube. Method 2 can flaring the tube 2 then welding the 7/8in. on-line tube together. Pay attention to nitrogen filling protection during welding.

12. PIPING WORK AND REFRIGERANT CHARGE

12.2 Oil trap

When the indoor unit is lower than outdoor unit and height is larger than 5m, install an oil trap for every 5m (suction piping).



NOTE:

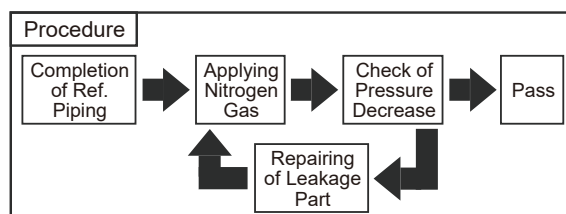
1. To avoid storing too much oil in the oil trap, the oil bend should be as short as possible.
2. The horizontal piping should be sloped down along the refrigerant flow direction, to bring the oil back to compressor, the slope is about 1/200 to 1/250.
3. In order to ensure cooling/heating performance better, the refrigerant piping should be as short and straight as possible.

12. PIPING WORK AND REFRIGERANT CHARGE

12.3 Air tight test

Do use nitrogen when performing air-tight test.

Connect the gauge manifold using charging hoses with a nitrogen cylinder to the check joints of the liquid line and the gas line stop valves. Perform the air-tight test. Don't open the gas line stop valves. Apply nitrogen gas pressure of 4.3MPa. Check for any gas leakage at the flare nut connections, or brazed parts by gas leak detector or foaming agent. It is OK if gas pressure does not decrease. After the air tight test, release nitrogen gas.



Air tight procedure

12.4 Additional refrigerant charge

Although refrigerant has been charged into this unit, additional refrigerant charge is required according to the piping length.

- The additional refrigerant precharge quantity should be determined and charged into the system according to the following procedure.
- Record the additional refrigerant quantity in order to facilitate maintenance and servicing activities.

Refrigerant charge before shipment (W_0 (kg))

W_0 is the outdoor unit refrigerant charge before shipment;

X_g is additional refrigerant outdoor unit needed to charge according to piping length during installation.

Model		Refrigerant precharged before shipment(W_0 (g))	Total refrigerant pipe length		
			3m~5m	3m~7.5m	5/7.5m~MAX. Pipe length allowed
Turbo Inverter	9~12	870	0g	--	9~18 model: $X_g = 15g / m \times (\text{Total pipe length(m)} - 5)$ 48/60 model: $X_g = 35g / m \times (\text{Total pipe length(m)} - 5)$ 85 model: $X_g = 35g / m \times (\text{Total pipe length(m)} - 7.5)$
	48	3000	--	0g	
	60	3400	--	0g	
	85	4600	--	0g	
Super Inverter	18	1080	0g	--	18 model: $X_g = 15g / m \times (\text{Total pipe length(m)} - 5)$ 24~36 model: $X_g = 35g / m \times (\text{Total pipe length(m)} - 5)$
	24	1500	0g	--	
	36	1800	0g	--	

13. INSTALLATION TOOLS AND INSTALLATION FLOW CHART

13. Installation tools and installation flow chart

13.1 Necessary tools and instrument list for installation

No.	Tool	No.	Tool	No.	Tool	No.	Tool
1	Handsaw	6	Copper Pipe Bender	11	Spanner	16	Leveler
2	Phillips Screwdriver	7	Manual Water Pump	12	Charging Cylinder	17	Clamper for Solderless Terminals
3	Vacuum Pump	8	Pipe Cutter	13	Gauge Manifold	18	Hoist (for Indoor Unit)
4	Refrigerant Gas Hose	9	Brazing Kit	14	Cutter for Wires	19	Ammeter
5	Megohmmeter	10	Hexagon Wrench	15	Gas Leak Detector	20	Voltage Meter

Use specified tools and measuring instruments only for the new refrigerant.

◇: Interchangeability is available with R410A

●: Only for Refrigerant R32

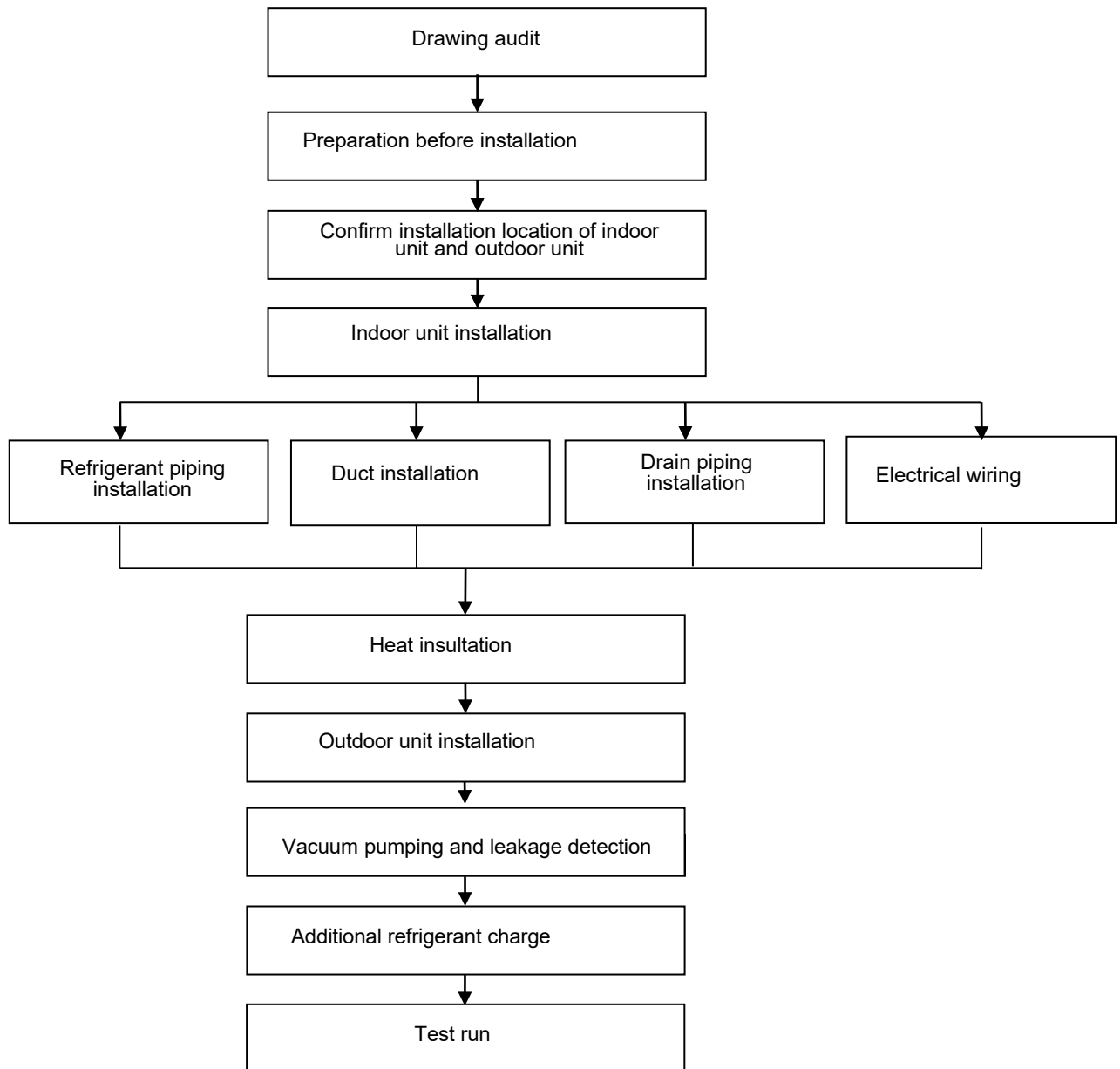
×: Prohibited

◆: Only for Refrigerant R22

Measuring Instrument and Tool for R410A		R32	R22	Reason of Non-Interchangeability and Attention (*: Strictly Required)	Use
Refrigerant Pipe	Pipe Cutter Chamfering Reamer	◇	◇	-	Cutting Pipe Removing Burrs
	Flaring Tool	◇	◇	* The flaring tools for R32 are applicable to R22/R410A. * If using flaring tube, make dimension of tube larger for R410A. * In case of material 1/2H, flaring is not available.	Flaring for Tubes
	Pipe Bender	◇	◇	* In case of material 1/2H, bending is not available. Use elbow for bend and braze.	Bending
	Expanding Tool	◇	◇	* In case of material 1/2H, expanding of tube is not available. Use socket for connecting tube.	Expanding Tubes
	Torque Wrench	◇	×	* For ϕ 1/2, ϕ 5/8, spanner size is up 2mm.	Connection of Flare Nut
		◇	◇	* For ϕ 1/4, ϕ 3/8, ϕ 3/4, spanner size is the same.	
	Brazing Tool	◇	◇	* Perform correct brazing work.	Brazing for Tubes
	Nitrogen Gas	◇	◇	* Strict Control against Contamin (Blow nitrogen during brazing.)	Prevention from Oxidation during
Lubrication Oil (for Flare Surface)	●	◆	* Use a synthetic oil which is equivalent to the oil used in the refrigeration cycle. * Synthetic oil absorbs moisture quickly.	Prevention from Oxidation during Brazing	
Vacuum Drying& Refrigerant Charge	Refrigerant Cylinder	×	×	* Check refrigerant cylinder color. * Liquid refrigerant charging is required regarding zeotropic refrigerant. * Use the weight scale.	Refrigerant Charging
	Vacuum Pump	◇	◇	* The current ones are applicable. However, it is required to mount a vacuum pump adapter which can prevent from reverse flow when a vacuum pump stops, resulting in no reverse oil flow.	Vacuum Pumping
	Adapter for Vacuum Pump	◇	◆		
	Manifold Valve	◇	◆	* No interchangeability is available due to higher pressures when compared with R22. * Do not use current ones to the different refrigerant. If used, mineral oil will flow into the cycle and cause sludges, resulting in clogging or compressor failure.	Vacuum Pumping, Vacuum Holding, Refrigerant Charging and Check of Pressures
	Charging Hose	◇	×	* Connection diameter is different; R32/R410A: UNF1/2, R22: UNF7/16.	
	Weight Scale	◇	◇		Measuring Instrument for Refrigerant Charging
	Refrigerant Gas Leakage Detector	×	×	* The current gas leakage detector (R22) is not applicable due to different detecting method.	Gas Leakage Check

13. INSTALLATION TOOLS AND INSTALLATION FLOW CHART

13.2 Installation flow chart



Note: this flow is only for reference; detailed see installation manual section.

14. Control mode

14.1 Indoor unit mode control

1. Main general technical parameters
 - (1) Remote receiver distance: 8 m.
 - (2) Remote receiver angle: Less than 80 degrees.
 - (3) Temperature control accuracy: $\pm 1^{\circ}\text{C}$.
 - (4) Time error: Less than 1%.
2. Functions of the control function

2.1 Emergency switch

Pressing the emergency button can realize the starting or stopping of the machine, starting up according to the automatic mode of operation.

Press this button to turn ON the unit, the machine will run in auto mode, and press it again to turn it off.

When the machine is OFF, press and hold the emergency switch for 5 seconds, with 3 beeps, the indoor unit would turn to emergency running. In such situation, machine would be forced to turn to cooling operation with high speed, the flaps sweep and the machine's operation is irrelevant with room temperatures.

If a remote signal has been received during the emergency run, the machine will operate upon the command of such a remote signal.

2.2 Operator-machine communication

Air conditioning and remote controller is provided with a temperature sensor. The remote controller on the temperature sensor detects the default settings of room temperature at room temperature. If the indoor control unit has not received remote control signal for a long time, it will automatically switch to the air conditioner body temperature sensor.

2.3 Timer function

(1) Timer ON

When set to start in a time by the remote controller, the air conditioner starts in the Timer ON condition. When the set time is up, the air conditioner will turn on and operates in the preset conditions after receiving a signal from the remote controller. If the air conditioner has not received a signal from the remote controller when the set time is up, it will automatically start and operate in the preset conditions.

(2) Timer OFF

When set to stop in a set time by the remote controller, the air conditioner will start in the Timer OFF condition. When the set time is up, the air conditioner will turn off after receiving a signal from the remote controller. If the air conditioner has not received a signal from the remote controller when the set time is up, it will turn off automatically.

(3) Neither the turning on nor turning off operation will cancel the timer function.

14. CONTROL MODE

2.4 Sleep

- (1) In the heating, cooling or dehumidifying mode, press the "Sleep" button on the remote controller to start or cancel the sleep function in turn, and at the same time the sleep icon on the display screen will be on or off accordingly.
- (2) In the heating mode, the set temperature will decrease automatically after the sleep function is started.
- (3) In the cooling mode, the set temperature will rise automatically after the sleep function is started.
- (4) By default, the setting is to cancel the sleep function. Turning off the unit will also cancel the sleep function.

2.5 Highly efficient run function (only for some remote controller)

In Cooling, Dehumidification, Fan mode, press the "HIGH POWER " to enter the refrigeration mode, set the temperature automatically adjusting to the lowest temp; the Fan speed is powerful speed; frequency is high frequency operation.

In heating mode, press the "HIGH POWER" to enter the refrigeration mode, set the temperature automatically adjusting to the highest temp.; the Fan speed is powerful speed; frequency is high frequency operation.

Mute function (only for some remote controller)

In the indoor unit operation mode, you may turn on or turn off mute function with mute key. The air conditioner will run with mute fan speed in mute mode.

2.6 Cooling wind prevention mode

In the heating-run, to prevent the indoor fan from blowing cold air, the indoor fan will stop or run slowly until the coil is warm.

2.7 Blowing waste heating and waste cooling function

In the heating mode, when the air conditioner is turned off, the indoor heat exchanger temperature is still higher, so the air conditioner will continue to run the waste heat operation. In cooling and dehumidification mode, after the compressor stops, indoor unit will continue to set the speed of operation for a period of time.

2.8 Dehumidifying method:

If remote control setting is in dehumidifying mode, indoor unit is forced to run at low speed (high power key or a strong bond also maintains a low wind speed), and the outdoor unit runs according to the refrigeration mode operation.

2.9 Auto re-start from power break

When the power supply is recovered after a failure, all presets are still effective and the air conditioner can run according to the previous setting.

How to set/cancel:

It can be set /cancelled with the wired remote controller.

For details, see internal control parameter adjustment.

14. CONTROL MODE

2.10 Fault code

The fault code can be shown by LED lamps or will display on the wired controller.

2.11 Filter cleaning

FC will light up when air filter is clogged with dust.

How to set/cancel: It can be set /cancelled with the wired remote controller.

For details, see internal control parameter adjustment.

2.12 Self cleaning

When the indoor and outdoor ambient temperature meets the conditions of 0-35°C, operate the controller to make the machine enter the indoor unit self cleaning mode.

How to set/cancel: It can be set /cancelled with the wire controller or wired remote controller.

For details, see internal control parameter adjustment. Self-cleaning effect is related to room humidity.

2.13 8°C heating function

In the heating mode, operate the remote controller with 8°C heating function to enter the 8°C heating function, then the indoor unit temperature is set to 8°C and the cold air prevention is cancel.

2.14 Deep cool mode

The DEEP COOL mode cooling capacity range is from 3.5 to 10.5kW. This unique solution is perfect for: Wine cellars, food storage, food processing, food distribution, ice cream factories, flower shops, supermarkets, grain stores, lunchrooms, vegetable processing.

Before using the DEEP COOL function, please contact the local technical service center for installation and operation instructions.

The outdoor temperature range of this function is -15~43°C, please do not use it beyond the range.

14. CONTROL MODE

14.2 Outdoor unit mode control

Control function

1. Cooling anti-freeze protection

The indoor coil sensor functions as real time temperature detector of evaporator. It prevents the indoor unit evaporator temperature becoming too low. If the indoor coil temperature is too low, the compressor will automatically start the protection mode.

2. Overload protection

To prevent system overload caused by excessive pressure, the machine will implement real-time detection when outdoor coil temperature is too high during cooling mode or indoor coil temperature is too high during heating mode.

3. Exhaust temperature protection

To prevent deterioration due to high exhaust temperature of compressor, the machine will realize the real-time detection of the exhaust gas temperature. If the temperature is too high, the compressor will come to automatic protection mode.

4. Oil-return control

When the compressor runs at low frequency for a long time, the control system will start the oil-return mechanism. The oil in the system returns to the compressor.

5. Operation mode

Air conditioning mode is the operation mode set by users through remote controller, four modes are available: cooling, heating (Only valid for heat pump type), dehumidification, and fan mode.

6. Four-way valve control (Only valid for heat pump type)

Four-way valve of the outdoor unit shuts down in cooling and defrosting mode but starts in heating mode. During the heating process, the four-way valve stops working for a period of time after the compressor is disconnected.

7. Start-up protection

To prevent compressor from restarting frequently when the system pressure has not been completely balanced, and it cannot be restarted within 3 minutes.

8. Pressure protection

When the pressure increases to a preset value, the pressure switch will automatically protect the unit. The compressor will stop and report the fault code protection.

15. SENSOR PARAMETER

15. Sensor parameter

1. THE PARAMETER OF OUTDOOR COMPRESSOR DISCHARGE TEMPERATURE SENSOR:

($R_0=187.25K\pm6.3\%$; $R_{100}=3.77K\pm2.5K$; $B0/100=3979K\pm1\%$)

DR: Deviation Rate

$DR(MIN)\% = (R_{min}-R_{nom}) / R_{nom} \times 100\%$

$DR(MAX)\% = (R_{max}-R_{nom}) / R_{nom} \times 100\%$

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	908.2603	985.5274	1065.1210	-7.84	7.47
-29	855.3955	927.6043	1001.9150	-7.78	7.42
-28	805.9244	873.4324	924.8368	-7.73	5.56
-27	759.6097	822.7471	887.5944	-7.67	7.31
-26	716.2320	775.3041	835.9165	-7.62	7.25
-25	675.5881	730.8775	787.5529	-7.56	7.20
-24	637.4902	689.2583	742.2720	-7.51	7.14
-23	601.7645	650.2533	699.8601	-7.46	7.09
-22	568.2499	613.6835	660.1191	-7.40	7.03
-21	536.7970	579.3832	622.8658	-7.35	6.98
-20	507.2676	547.1989	587.9307	-7.30	6.93
-19	497.5332	516.9882	555.1565	-3.76	6.88
-18	453.4748	488.6192	524.3977	-7.19	6.82
-17	428.9819	461.9693	495.5191	-7.14	6.77
-16	405.9517	436.9251	486.3954	-7.09	10.17
-15	384.2888	413.3808	442.9105	-7.04	6.67
-14	363.9047	391.2386	418.9563	-6.99	6.62
-13	344.7169	370.4072	396.4325	-6.94	6.56
-12	326.6497	350.8019	375.2461	-6.88	6.51
-11	309.6286	332.3441	355.3104	-6.83	6.46
-10	293.5903	314.9620	336.5448	-6.79	6.41
-9	278.4719	298.5822	318.3744	-6.74	6.22
-8	264.2156	283.1464	302.2294	-6.69	6.31
-7	250.7678	268.5936	286.5448	-6.64	6.26
-6	238.0783	254.8686	271.7603	-6.59	6.22
-5	226.1003	241.9200	257.8193	-6.54	6.17
-4	214.7903	229.6997	244.6593	-6.49	6.11
-3	204.1073	218.1630	232.2612	-6.44	6.07
-2	194.0135	207.2681	220.5495	-6.39	6.02
-1	184.4732	196.9759	209.4913	-6.35	5.97
0	175.4533	187.2500	199.0468	-6.30	5.93
1	166.8952	178.0255	189.1529	-6.25	5.88
2	158.8023	169.3067	179.8058	-6.20	5.84
3	151.1467	161.0633	170.9724	-6.16	5.80
4	143.9026	153.2667	162.6216	-6.11	5.75
5	137.0455	145.8905	154.7246	-6.06	5.71
6	130.5528	138.9097	147.2544	-6.02	5.67
7	124.4033	132.3011	140.1856	-5.97	5.62
8	118.5769	126.0429	133.4946	-5.92	5.58
9	113.0550	120.1146	127.1591	-5.88	5.54
10	107.8202	114.4973	121.1586	-5.83	5.50
11	102.8560	109.1728	115.4734	-5.79	5.46
12	98.1470	104.1246	110.0855	-5.74	5.41
13	93.6787	99.3367	104.9778	-5.70	5.37
14	89.4378	94.7946	100.1342	-5.65	5.33
15	85.4114	90.4842	95.5398	-5.61	5.29
16	81.5875	86.3926	91.1805	-5.56	5.25
17	77.9551	82.5076	87.0430	-5.52	5.21
18	74.5034	78.8177	83.1150	-5.47	5.17

15. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
19	71.2227	75.3122	79.3848	-5.43	5.13
20	68.1036	71.9808	75.8414	-5.39	5.09
21	65.1373	68.8141	72.4746	-5.34	5.05
22	62.3155	65.8032	69.2746	-5.30	5.01
23	59.6306	62.9395	66.2324	-5.26	4.97
24	57.0752	60.2152	63.3395	-5.21	4.93
25	54.6424	57.6227	60.5877	-5.17	4.89
26	52.3258	55.1551	57.9695	-5.13	4.85
27	50.1192	52.8058	55.4778	-5.09	4.82
28	48.0168	50.5684	53.1058	-5.05	4.78
29	46.0133	48.4371	50.8472	-5.00	4.74
30	44.1034	46.4046	48.6960	-4.96	4.71
31	42.2825	44.4711	46.6466	-4.92	4.66
32	40.5458	42.6261	44.6937	-4.88	4.63
33	38.8891	40.8668	42.8323	-4.84	4.59
34	37.3084	39.1890	41.0576	-4.80	4.55
35	35.7998	37.5883	39.3653	-4.76	4.51
36	34.3596	36.0609	37.7511	-4.72	4.48
37	32.9844	34.6030	36.2109	-4.68	4.44
38	31.6710	33.2113	34.7412	-4.64	4.40
39	30.4164	31.8823	33.3383	-4.60	4.37
40	29.2176	30.6130	31.9988	-4.56	4.33
41	28.0718	29.4004	30.7197	-4.52	4.29
42	26.9765	28.2417	29.4979	-4.48	4.26
43	25.9293	27.1342	28.3306	-4.44	4.22
44	24.9277	26.0755	27.2150	-4.40	4.19
45	23.9697	25.0632	26.1488	-4.36	4.15
46	23.0530	24.0950	25.1293	-4.32	4.12
47	22.1757	23.1688	24.1545	-4.29	4.08
48	21.3360	22.2826	23.2221	-4.25	4.05
49	20.5321	21.4345	22.3301	-4.21	4.01
50	19.7623	20.6226	21.4766	-4.17	3.98
51	19.0261	19.8468	20.6612	-4.14	3.94
52	18.3211	19.1040	19.8808	-4.10	3.91
53	17.6458	18.3926	19.1338	-4.06	3.87
54	16.9986	17.7113	18.4185	-4.02	3.84
55	16.3784	17.0537	17.7335	-3.96	3.83
56	15.7839	16.4332	17.0774	-3.95	3.77
57	15.2139	15.8338	16.4488	-3.92	3.74
58	14.6673	15.2592	15.8464	-3.88	3.71
59	14.1430	14.7083	15.2690	-3.84	3.67
60	13.6400	14.1799	14.7154	-3.81	3.64
61	13.1573	13.6730	14.1846	-3.77	3.61
62	12.6941	13.1868	13.6756	-3.74	3.57
63	12.2494	12.7202	13.1872	-3.70	3.54
64	11.8224	12.2723	12.7186	-3.67	3.51
65	11.4124	11.8424	12.2690	-3.63	3.48
66	11.0185	11.4295	11.8373	-3.60	3.45
67	10.6401	11.0331	11.4230	-3.56	3.41
68	10.2765	10.6522	11.0251	-3.53	3.38
69	9.9271	10.2863	10.6429	-3.49	3.35
70	9.5912	9.9348	10.2756	-3.46	3.32
71	9.2682	9.5968	9.9231	-3.42	3.29
72	8.9576	9.2720	9.5841	-3.39	3.26
73	8.6589	8.9597	9.2583	-3.36	3.23
74	8.3716	8.6594	8.9451	-3.32	3.19

15. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
75	8.0951	8.3705	8.6440	-3.29	3.16
76	7.8290	8.0926	8.3544	-3.26	3.13
77	7.5730	7.8252	8.0758	-3.22	3.10
78	7.3264	7.5679	7.8078	-3.19	3.07
79	7.0891	7.3202	7.5499	-3.16	3.04
80	6.8605	7.0818	7.3018	-3.12	3.01
81	6.6403	6.8522	7.0629	-3.09	2.98
82	6.4282	6.6311	6.8329	-3.06	2.95
83	6.2239	6.4182	6.6115	-3.03	2.92
84	6.0269	6.2131	6.3982	-3.00	2.89
85	5.8371	6.0154	6.1928	-2.96	2.86
86	5.6542	5.8249	5.9949	-2.93	2.84
87	5.4777	5.6413	5.8042	-2.90	2.81
88	5.3076	5.4644	5.6205	-2.87	2.78
89	5.1435	5.2937	5.4433	-2.84	2.75
90	4.9853	5.1292	5.2726	-2.81	2.72
91	4.8326	4.9705	5.1079	-2.77	2.69
92	4.6852	4.8174	4.9492	-2.74	2.66
93	4.5430	4.6697	4.7960	-2.71	2.63
94	4.4058	4.5272	4.6483	-2.68	2.61
95	4.2733	4.3896	4.5058	-2.65	2.58
96	4.1453	4.2568	4.3683	-2.62	2.55
97	4.0218	4.1287	4.2355	-2.59	2.52
98	3.9024	4.0049	4.1074	-2.56	2.50
99	3.7872	3.8854	3.9837	-2.53	2.47
100	3.6758	3.7700	3.8643	-2.50	2.44
101	3.5661	3.6585	3.7512	-2.53	2.47
102	3.4601	3.5509	3.6419	-2.56	2.50
103	3.3577	3.4468	3.5362	-2.59	2.53
104	3.2588	3.3463	3.4341	-2.61	2.56
105	3.1632	3.2491	3.3353	-2.64	2.58
106	3.0708	3.1551	3.2398	-2.67	2.61
107	2.9816	3.0643	3.1475	-2.70	2.64
108	2.8953	2.9765	3.0582	-2.73	2.67
109	2.8118	2.8915	2.9717	-2.76	2.70
110	2.7311	2.8093	2.8881	-2.78	2.73
111	2.6531	2.7299	2.8072	-2.81	2.75
112	2.5776	2.6530	2.7289	-2.84	2.78
113	2.5046	2.5785	2.6531	-2.87	2.81
114	2.4340	2.5065	2.5798	-2.89	2.84
115	2.3656	2.4368	2.5087	-2.92	2.87
116	2.2995	2.3693	2.4400	-2.95	2.90
117	2.2354	2.3040	2.3733	-2.98	2.92
118	2.1734	2.2407	2.3088	-3.00	2.95
119	2.1134	2.1795	2.2463	-3.03	2.97
120	2.0553	2.1201	2.1858	-3.06	3.01
121	1.9991	2.0626	2.1271	-3.08	3.03
122	1.9446	2.0070	2.0702	-3.11	3.05
123	1.8918	1.9530	2.0151	-3.13	3.08
124	1.8406	1.9007	1.9617	-3.16	3.11
125	1.7911	1.8500	1.9099	-3.18	3.14
126	1.7430	1.8009	1.8597	-3.22	3.16
127	1.6965	1.7533	1.8110	-3.24	3.19
128	1.6514	1.7071	1.7638	-3.26	3.21
129	1.6076	1.6623	1.7180	-3.29	3.24
130	1.5652	1.6189	1.6736	-3.32	3.27

15. SENSOR PARAMETER

2. THE PARAMETER OF THE OTHER SENSOR IN INDOOR AND OUTDOOR UNIT:

($R_0=15K\pm2\%$; $B0/100=3450K\pm2\%$)

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	60.78	64.77	68.99	-6.16	6.12
-29	57.75	61.36	65.16	-5.88	5.83
-28	54.89	58.15	61.58	-5.61	5.57
-27	52.19	55.14	58.23	-5.35	5.31
-26	49.63	52.30	55.08	-5.11	5.05
-25	47.21	49.62	52.13	-4.86	4.81
-24	44.92	47.10	49.37	-4.63	4.60
-23	42.76	44.73	46.78	-4.40	4.38
-22	40.71	42.49	44.34	-4.19	4.17
-21	38.77	40.38	42.05	-3.99	3.97
-20	36.93	38.39	39.90	-3.80	3.78
-19	35.18	36.51	37.87	-3.64	3.59
-18	33.53	34.74	35.97	-3.48	3.42
-17	31.96	33.06	34.17	-3.33	3.25
-16	30.48	31.47	32.49	-3.15	3.14
-15	29.07	29.97	30.89	-3.00	2.98
-14	27.73	28.56	29.39	-2.91	2.82
-13	26.46	27.22	27.98	-2.79	2.72
-12	25.26	25.95	26.64	-2.66	2.59
-11	24.11	24.75	25.38	-2.59	2.48
-10	23.03	23.61	24.19	-2.46	2.40
-9	21.99	22.53	23.06	-2.40	2.30
-8	21.01	21.51	22.00	-2.32	2.23
-7	20.08	20.54	20.99	-2.24	2.14
-6	19.19	19.62	20.04	-2.19	2.10
-5	18.35	18.74	19.14	-2.08	2.09
-4	17.55	17.92	18.29	-2.06	2.02
-3	16.78	17.13	17.48	-2.04	2.00
-2	16.06	16.38	16.71	-1.95	1.97
-1	15.36	15.67	15.98	-1.98	1.94
0	14.70	15.00	15.29	-2.00	1.90
1	14.08	14.36	14.64	-1.95	1.91
2	13.48	13.75	14.02	-1.96	1.93
3	12.91	13.17	13.43	-1.97	1.94
4	12.36	12.62	12.87	-2.06	1.94
5	11.85	12.09	12.34	-1.99	2.03
6	11.35	11.59	11.83	-2.07	2.03
7	10.88	11.11	11.35	-2.07	2.11
8	10.43	10.66	10.89	-2.16	2.11
9	9.999	10.230	10.450	-2.26	2.11
10	9.590	9.816	10.040	-2.30	2.23
11	9.199	9.422	9.647	-2.37	2.33
12	8.826	9.047	9.269	-2.44	2.40
13	8.470	8.689	8.910	-2.52	2.48
14	8.129	8.347	8.567	-2.61	2.57
15	7.804	8.021	8.240	-2.71	2.66
16	7.493	7.709	7.928	-2.80	2.76
17	7.196	7.412	7.630	-2.91	2.86
18	6.912	7.127	7.346	-3.02	2.98
19	6.640	6.855	7.074	-3.14	3.10
20	6.381	6.595	6.815	-3.24	3.23
21	6.132	6.347	6.567	-3.39	3.35
22	5.894	6.109	6.330	-3.52	3.49

15. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
23	5.667	5.882	6.103	-3.66	3.62
24	5.449	5.664	5.886	-3.80	3.77
25	5.240	5.456	5.678	-3.96	3.91
26	5.048	5.260	5.478	-4.03	3.98
27	4.864	5.072	5.286	-4.10	4.05
28	4.687	4.891	5.101	-4.17	4.12
29	4.517	4.717	4.924	-4.24	4.20
30	4.355	4.550	4.753	-4.29	4.27
31	4.198	4.390	4.589	-4.37	4.34
32	4.048	4.236	4.431	-4.44	4.40
33	3.904	4.089	4.280	-4.52	4.46
34	3.766	3.946	4.134	-4.56	4.55
35	3.663	3.810	3.994	-3.86	4.61
36	3.506	3.679	3.859	-4.70	4.66
37	3.383	3.552	3.729	-4.76	4.75
38	3.265	3.431	3.604	-4.84	4.80
39	3.152	3.314	3.484	-4.89	4.88
40	3.043	3.202	3.368	-4.97	4.93
41	2.938	3.094	3.257	-5.04	5.00
42	2.838	2.990	3.149	-5.08	5.05
43	2.741	2.890	3.046	-5.16	5.12
44	2.648	2.793	2.946	-5.19	5.19
45	2.558	2.701	2.850	-5.29	5.23
46	2.472	2.611	2.758	-5.32	5.33
47	2.389	2.525	2.669	-5.39	5.40
48	2.309	2.443	2.583	-5.49	5.42
49	2.232	2.363	2.500	-5.54	5.48
50	2.158	2.286	2.421	-5.60	5.58
51	2.087	2.212	2.344	-5.65	5.63
52	2.018	2.140	2.269	-5.70	5.69
53	1.952	2.072	2.198	-5.79	5.73
54	1.888	2.005	2.129	-5.84	5.82
55	1.827	1.941	2.062	-5.87	5.87
56	1.767	1.880	1.998	-6.01	5.91
57	1.710	1.820	1.936	-6.04	5.99
58	1.655	1.763	1.876	-6.13	6.02
59	1.602	1.707	1.818	-6.15	6.11
60	1.551	1.654	1.762	-6.23	6.13
61	1.502	1.602	1.709	-6.24	6.26
62	1.452	1.553	1.657	-6.50	6.28
63	1.409	1.505	1.606	-6.38	6.29
64	1.364	1.458	1.558	-6.45	6.42
65	1.322	1.413	1.511	-6.44	6.49
66	1.280	1.370	1.466	-6.57	6.55
67	1.241	1.328	1.422	-6.55	6.61
68	1.202	1.288	1.379	-6.68	6.60
69	1.165	1.249	1.339	-6.73	6.72
70	1.129	1.211	1.299	-6.77	6.77
71	1.095	1.175	1.261	-6.81	6.82
72	1.061	1.140	1.224	-6.93	6.86
73	1.029	1.106	1.188	-6.96	6.90
74	0.9977	1.073	1.153	-7.02	6.94
75	0.9676	1.041	1.120	-7.05	7.05
76	0.9385	1.011	1.088	-7.17	7.08
77	0.9104	0.9810	1.056	-7.20	7.10
78	0.8833	0.9523	1.026	-7.25	7.18

15. SENSOR PARAMETER

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
79	0.8570	0.9246	0.9971	-7.31	7.27
80	0.8316	0.8977	0.9687	-7.36	7.33
81	0.8071	0.8717	0.9412	-7.41	7.38
82	0.7834	0.8466	0.9146	-7.47	7.43
83	0.7604	0.8223	0.8888	-7.53	7.48
84	0.7382	0.7987	0.8639	-7.57	7.55
85	0.7167	0.7759	0.8397	-7.63	7.60
86	0.6958	0.7537	0.8161	-7.68	7.65
87	0.6755	0.7322	0.7933	-7.74	7.70
88	0.6560	0.7114	0.7712	-7.79	7.75
89	0.6371	0.6913	0.7498	-7.84	7.80
90	0.6188	0.6718	0.7291	-7.89	7.86
91	0.6011	0.6530	0.7051	-7.95	7.39
92	0.5840	0.6348	0.6897	-8.00	7.96
93	0.5674	0.6171	0.6709	-8.05	8.02
94	0.5514	0.6000	0.6527	-8.10	8.07
95	0.5359	0.5835	0.6350	-8.16	8.11
96	0.5209	0.5675	0.6179	-8.21	8.16
97	0.5064	0.5519	0.6014	-8.24	8.23
98	0.4923	0.5369	0.5853	-8.31	8.27
99	0.4787	0.5224	0.5698	-8.37	8.32
100	0.4655	0.5083	0.5547	-8.42	8.36
101	0.4528	0.4946	0.5401	-8.45	8.42
102	0.4404	0.4814	0.5259	-8.52	8.46
103	0.4284	0.4685	0.5121	-8.56	8.51
104	0.4168	0.4561	0.4988	-8.62	8.56
105	0.4056	0.4440	0.4859	-8.65	8.62
106	0.3947	0.4323	0.4733	-8.70	8.66
107	0.3841	0.4210	0.4611	-8.76	8.70
108	0.3739	0.4100	0.4493	-8.80	8.75
109	0.3640	0.3993	0.4379	-8.84	8.81
110	0.3544	0.3890	0.4267	-8.89	8.84
111	0.3450	0.3789	0.4159	-8.95	8.90
112	0.3360	0.3692	0.4055	-8.99	8.95
113	0.3272	0.3597	0.3953	-9.04	9.01
114	0.3187	0.3505	0.3854	-9.07	9.06
115	0.3104	0.3416	0.3758	-9.13	9.10
116	0.3024	0.3330	0.3665	-9.19	9.14
117	0.2947	0.3246	0.3574	-9.21	9.18
118	0.2871	0.3164	0.3468	-9.26	8.77
119	0.2798	0.3085	0.3401	-9.30	9.29
120	0.2727	0.3008	0.33	-9.34	9.34

15. SENSOR PARAMETER

B25/50=3950K±3% R25=15KΩ±3%

Temp (℃)	Resistance (KΩ)		
	Rmax	R(t)Normal	Rmin
-30	250.952	230.189	209.426
-29	236.568	217.234	197.900
-28	223.091	205.085	187.078
-27	210.459	193.686	176.913
-26	198.614	182.987	167.360
-25	187.503	172.942	158.380
-24	177.077	163.506	149.935
-23	167.288	154.639	141.989
-22	158.095	146.303	134.511
-21	149.458	138.464	127.470
-20	141.341	131.090	120.839
-19	134.087	124.486	114.885
-18	127.219	118.227	109.235
-17	120.715	112.294	103.873
-16	114.556	106.671	98.786
-15	108.724	101.342	93.960
-14	103.202	96.291	89.380
-13	97.972	91.503	85.034
-12	93.020	86.965	80.910
-11	88.330	82.663	76.996
-10	83.889	78.585	73.281
-9	79.683	74.720	69.757
-8	75.698	71.055	66.412
-7	71.925	67.581	63.237
-6	68.349	64.286	60.223
-5	64.962	61.162	57.362
-4	61.754	58.200	54.646
-3	58.713	55.390	52.067
-2	55.833	52.726	49.619
-1	53.102	50.198	47.294
0	50.514	47.800	45.086
1	48.061	45.525	42.989
2	45.735	43.366	40.997
3	43.530	41.317	39.104
4	41.440	39.373	37.306
5	39.457	37.527	35.597
6	37.576	35.775	33.974
7	35.792	34.111	32.430
8	34.100	32.532	30.964
9	32.494	31.031	29.568
10	30.970	29.606	28.242
11	29.523	28.252	26.981
12	28.150	26.966	25.782
13	26.846	25.743	24.640
14	25.608	24.581	23.554

15. SENSOR PARAMETER

Temp (℃)	Resistance (KΩ)		
	Rmax	R(t)Normal	Rmin
15	24.433	23.477	22.521
16	23.315	22.426	21.537
17	22.254	21.428	20.602
18	21.246	20.478	19.710
19	20.288	19.575	18.862
20	19.377	18.715	18.053
21	18.511	17.897	17.283
22	17.688	17.119	16.550
23	16.903	16.377	15.851
24	16.159	15.672	15.185
25	15.450	15.000	14.550
26	14.802	14.360	13.918
27	14.183	13.750	13.317
28	13.595	13.170	12.745
29	13.033	12.616	12.199
30	12.496	12.088	11.680
31	11.985	11.585	11.185
32	11.498	11.106	10.714
33	11.032	10.648	10.264
34	10.588	10.212	9.836
35	10.163	9.795	9.427
36	9.758	9.398	9.038
37	9.371	9.019	8.667
38	9.001	8.656	8.311
39	8.648	8.311	7.974
40	8.310	7.980	7.650
41	7.988	7.665	7.342
42	7.678	7.363	7.048
43	7.383	7.075	6.767
44	7.102	6.800	6.498
45	6.832	6.537	6.242
46	6.573	6.285	5.997
47	6.326	6.044	5.762
48	6.089	5.814	5.539
49	5.862	5.593	5.324
50	5.645	5.382	5.119
51	5.437	5.180	4.923
52	5.238	4.987	4.736
53	5.047	4.801	4.555
54	4.864	4.624	4.384
55	4.689	4.454	4.219
56	4.520	4.291	4.062
57	4.359	4.135	3.911
58	4.204	3.985	3.766
59	4.055	3.841	3.627
60	3.913	3.704	3.495
61	3.775	3.571	3.367
62	3.645	3.445	3.245

15. SENSOR PARAMETER

Temp	Resistance (K Ω)		
($^{\circ}$ C)	Rmax	R(t)Normal	Rmin
63	3.518	3.323	3.128
64	3.397	3.206	3.015
65	3.280	3.094	2.908
66	3.168	2.986	2.804
67	3.061	2.883	2.705
68	2.957	2.783	2.609
69	2.858	2.688	2.518
70	2.762	2.596	2.430
71	2.670	2.508	2.346
72	2.582	2.423	2.264
73	2.496	2.341	2.186
74	2.414	2.262	2.110
75	2.335	2.187	2.039
76	2.259	2.114	1.969
77	2.186	2.044	1.902
78	2.115	1.977	1.839
79	2.047	1.912	1.777
80	1.981	1.849	1.717
81	1.918	1.789	1.660
82	1.857	1.731	1.605
83	1.799	1.675	1.551
84	1.742	1.621	1.500
85	1.687	1.569	1.451
86	1.635	1.519	1.404
87	1.585	1.472	1.359
88	1.536	1.426	1.315
89	1.490	1.381	1.273
90	1.445	1.338	1.232
91	1.401	1.297	1.193
92	1.359	1.257	1.156
93	1.318	1.219	1.119
94	1.279	1.182	1.084
95	1.241	1.146	1.050
96	1.205	1.111	1.018
97	1.169	1.078	0.986
98	1.135	1.046	0.956
99	1.102	1.015	0.927
100	1.070	0.984	0.898
101	1.040	0.955	0.871
102	1.010	0.927	0.845
103	0.981	0.900	0.819
104	0.953	0.874	0.795
105	0.926	0.849	0.771

16.TROUBLESHOOTING

16.Troubleshooting

16.1 Trouble guide Troubleshooting for normal malfunction

Troubleshooting	Possible Reasons of Abnormality	How to Deal With
Air conditioner can not start up	1. Power supply failure; 2. Trip of breaker or blow of fuse; 3. Power voltage is too low; 4. Improper setting of remote controller; 5. Remote controller is short of power.	1. Check power supply circuit; 2. Measure insulation resistance to ground to see if there is any leakage; 3. Check if there is a defective contact or leak current in the power supply circuit; 4. Check and set remote controller again; 5. Change batteries.
The compressor starts or stops frequently	The airinlet and outlet have been blocked.	Remove obstacles.
Poor cooling/heating	1. The outdoor heat exchanger is dirty, such as condenser; 2. There are heating devices indoors; 3. The airtightness is not enough, and people come in and out too frequently; 4. Block of outdoor heate xchanger; 5. Improper setting of temperature.	1. Clean the heat exchanger of the outdoor unit, such as condenser; 2. Remove heating devices; 3. Keep certain air tightness indoors; 4. Remove block obstacles; 5. Check and try to set temperature again.
Sound from deforming parts	During system starting or stopping, a sound might be heard.However, this is due to the normal deformation of plastic parts.	It is not abnormal, and the sound will disappear soon.
Waterleakage	1. Drainage pipe is blocked or broken; 2. Wrap of refrigerant pipe joint is not closed completely.	1. Change drainage pipe; 2. Re-wrap and make it tight.

Troubleshooting according to fault codes

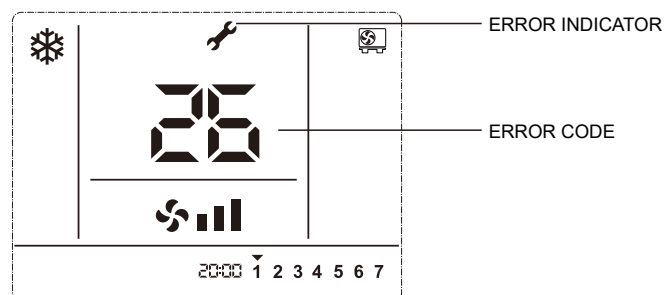
When the air conditioner failure occurs, the fault code will display on control board, wired controller or display panel.

How to check fault codes

Indoor unit

(1) Fault codes indicated by wired controller

MODEL:YXE-C01U1(E)

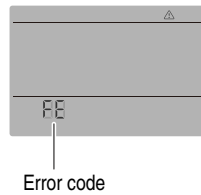


When the air conditioner malfunctions,  will be displayed on the LCD, and error codes will appear and blink.

Fault code displays on wired controller

16. TROUBLESHOOTING

MODEL: YXE-E01U(E)

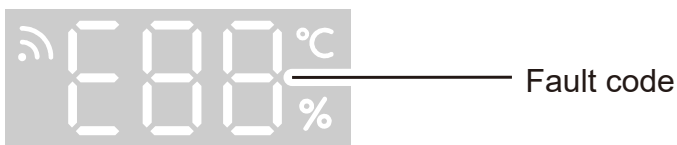


When the air conditioner malfunctions,  will be displayed on the LCD, indicating that error is occurring, please consult your local dealer or after-sales service.

Fault code displays on wired controller

(2) Fault codes indicated by display panel

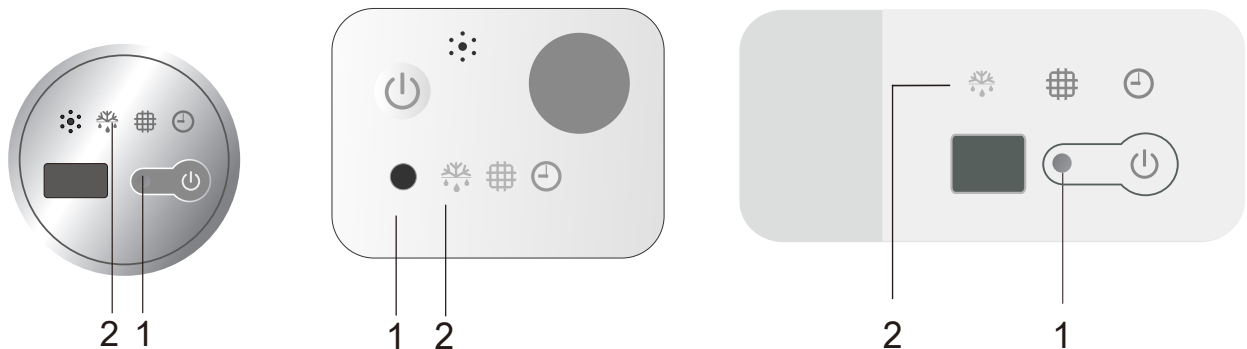
Display panel



(3) Fault codes indicated by LED lamps on display panel

Lamp RUN (LED2, Red) and Lamp DEFROST (LED5, Green) flash. Lamp RUN displays fault code represented by 2- digit number, and lamp DEFROST displays fault code represented by single digit number (as shown fig. below). For example, fault code 36: LED RUN & defrost flash 3 times at the same time, and LED DEFROST continues flashing 3 times, it reports No. 36 fault.

Display panel



- 1 Run indicator (Red)
Indicates the fault code with 2- digit number.
- 2 Defrost indicator (Green)
Indicates the fault code with single digit number.

LED FLASH CONTROL: flash 300mS (T1), off 300mS (T2), after 2000mS (T3) fault code repeat displays. (as shown below)

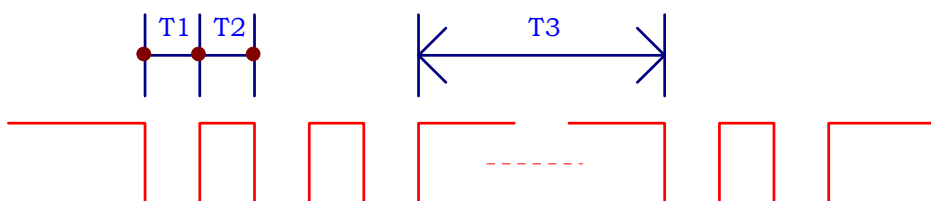


FIG.2 LED flash control

16.TROUBLESHOOTING

Outdoor unit (Fault code displayed by LED lamps on outdoor main control board.)

Turbo Inverter: 9~12

Super Inverter: 18~36

DC-Inverter unitary (Main control board upside-down)

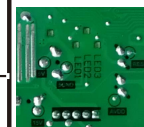
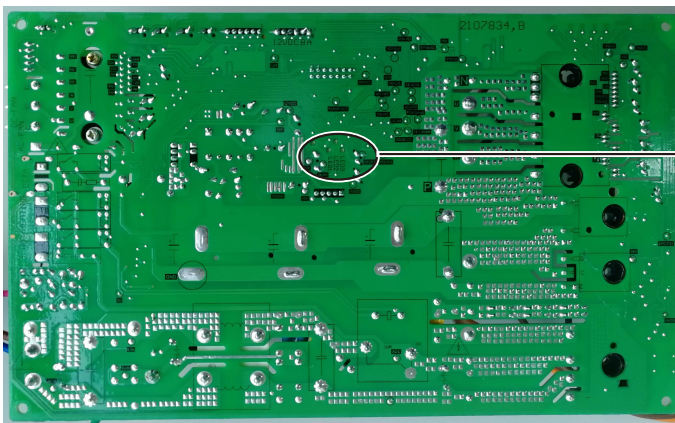
Fault code displayed by LED lamps on outdoor main control board.

There are 3 LED lamps on control board, LED1, LED2 and LED3.

LED1 indicates fault code represented by 2-digit number, LED2 indicates fault code represented by single digit number and LED3 indicates outdoor drive control fault. When LED3 is off, LED1 and LED 2 indicate main control fault code.

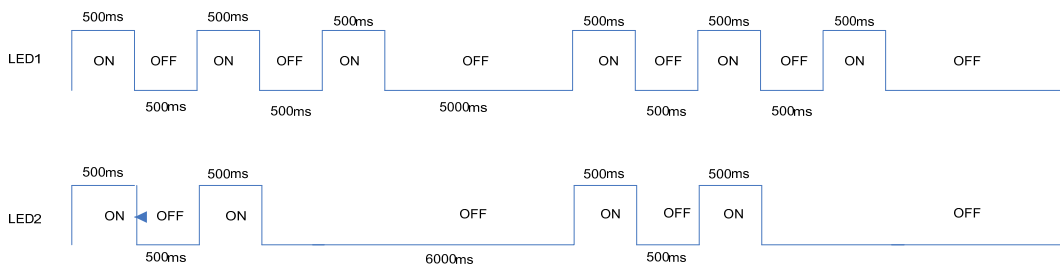
When LED3 is on, LED1 and LED 2 indicate drive control fault code.

When LED3 is flickering and LED1, LED 2 are all off, indicate compressor is preheating. Failures display with 5s interval. It means LED will be off for 5s to report next fault code. System protection codes display method is the same with main control fault code. LED lamps will be off when there is no failure, protection or preheating.

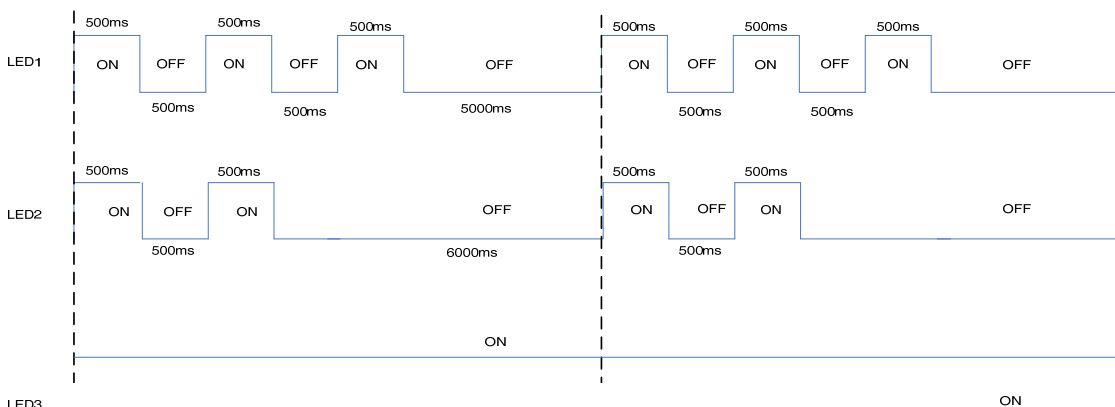


LED1: Ten's place
LED2: Unit's place
LED3: Drive failure indicator

For example, outdoor main control fault 32:



For example, outdoor drive fault 32:



16.TROUBLESHOOTING

Turbo Inverter: 48~60

Fault code displayed by LED lamps on outdoor main control board.

There are 3 LED lamps on control board, V19, V20 and V21.

V19 indicates the ten's place of the fault code, V20 indicates the unit's place of the fault code and V21 indicates outdoor drive control fault.



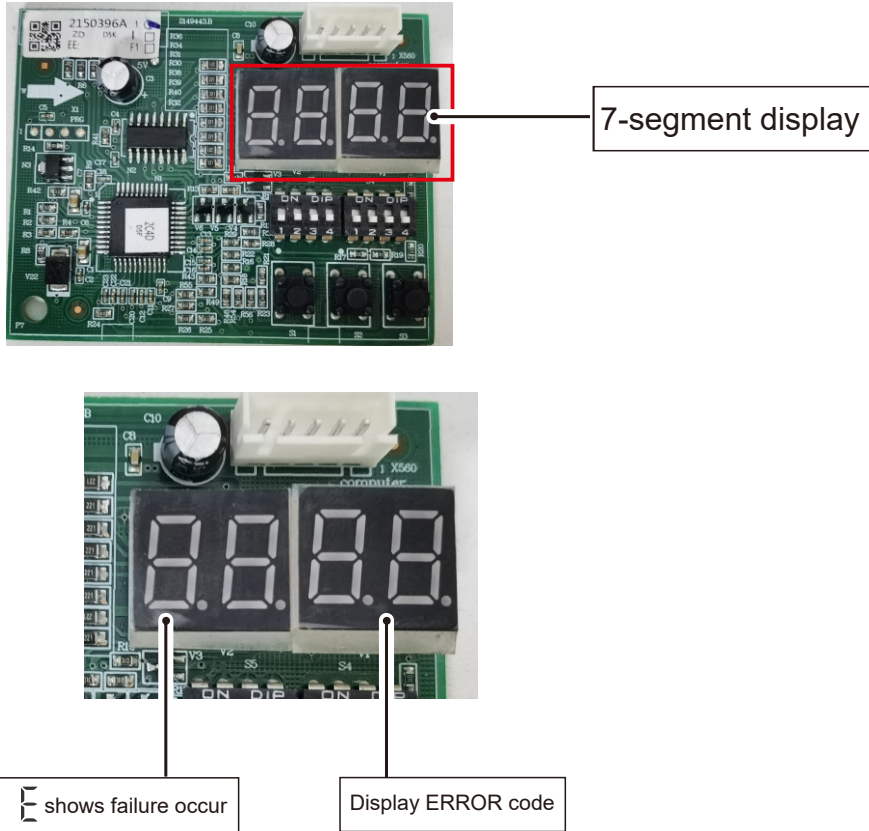
Main control failure indicator:
V19: Ten's Place
V20: Unit's Place
Drive failure indicator: V21

16.TROUBLESHOOTING

Outdoor unit

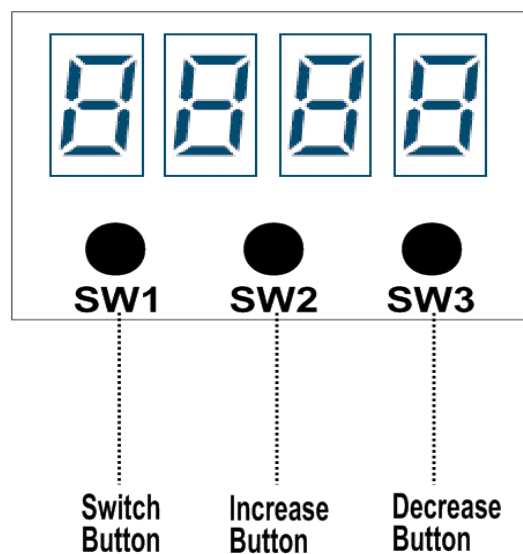
Fault code displayed on checker board

Fault code/drive fault code will be displayed on checker board.



Digital Display Switch Introduction

It can be used to check outdoor running parameters.



16.TROUBLESHOOTING

There are 3 buttons on the digital display board :

- 1) SWITCH button : Indoor parameters and outdoor parameters can be selected in turn by pressing it.
“P.”-outdoor unit parameter ,“A.”-indoor unit parameter ;
- 2) INCREASE button : Each time it is pressed, the number rises by 1,hold down it, the number will be rapidly increase;
- 3) DECREASE button : Each time it is pressed, the number lowers by 1,hold down it, the number will rapidly decreased.
- 4) The parameters will be displayed after 3s when the checking numbers are selected.

Parameters can be checked as following table below.

Parameter Code	Descriptions	Parameter Code	Descriptions
P.0	Fault codes	P.27	Outdoor DC Motor 2 target speed
P.1	Compressor actual frequency	P.29	The current opening of the outdoor expansion valve
P.2	Compressor driving frequency	A.1	Unit A fault codes
P.4	Compressor target frequency	A.2	Unit A valve actual opening
P.5	Compressor exhaust temperature	A.4	Unit A liquid pipe temperature
P.6	Outdoor suction Temperature	A.5	Unit A gas pipe temperature
P.7	Outdoor ambient temperature	A.6	Unit A coil temperature
P.8	Outdoor coil temperature	A.7	Unit A ambient temperature
P.9	Outdoor defrosting temperature	A.8	Unit A set temperature
P.10	IPM module temperature	A.9	Unit A capacity
P.11	Outdoor capacity requirement	A.10	Unit A set fan speed
P.12	IPM fault codes	A.11	Unit A actual suction overheating (cooling)
P.13	Outdoor DC Motor 1 target speed		
P.14	AC input current		
P.15	AC input voltage		
P.16	DC bus voltage		
P.17	Compressor phase current		
P.18	Frequency limit code		
P.20	Target suction overheating		
P.21	Target exhaust overheating		
P.22	Actual suction overheating (heating)		
P.23	Actual exhaust overheating (heating)		

16.TROUBLESHOOTING

16.2 Fault codes

Table 1 Outdoor fault code

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
1	Outdoor ambient temperature sensor fault	1.The outdoor ambient temperature sensor is connected loosely; 2.The outdoor ambient temperature sensor fails to work; 3.The sampling circuit fails.	1.Reconnect the outdoor ambient temperature sensor; 2.Replace the outdoor ambient temperature sensor components; 3.Replace the outdoor control board components.	
2	Outdoor coil temperature sensor fault	1.The outdoor coil temperature sensor is connected loosely; 2.The outdoor coil temperature sensor fails to work; 3.The sampling circuit fails.	1.Reconnect the outdoor coil temperature sensor; 2.Replace the outdoor coil temperature sensor components; 3.Replace the outdoor control board components.	
3	The unit over-current turn off fault	1. Control board current sampling circuit fails; 2. The current is over high because the supply voltage is too low; 3. The compressor is blocked; 4. Overload in cooling mode; 5. Overload in heating mode.	1. Replace the electrical control board components; 2. Normal protection; 3. Replace the compressor; 4. Please see NOTE 3; 5. Please see NOTE 4.	
4	EEProm Data error	1.EE components fails; 2.EE components control circuit fails; 3.EE components are inserted incorrectly.	1.Replace the EE components; 2.Replace the outdoor control board components; 3.Reassemble the EE components.	
5	Cooling freezing protection (the indoor coil temperature is too low) or heating overload (indoor coil temperature is too high)	1.The indoor unit can not blow air normally; 2.The room temperature is too low in cooling mode or the room temperature is too high in heating; 3.The filter is dirty; 4.The duct resistance is too high to result in low air flow; 5.The setting fan speed is too low; 6.The indoor unit is not installed in accordance with the installation standards, and the air inlet is too close to the air outlet .	1.Check whether the indoor fan, indoor fan motor and evaporator work normally; 2.Normal protection; 3.Clean the filter; 4.Check the volume control valve, duct length etc.; 5.Set the speed with high speed; 6.Reinstall the indoor unit referring to the user manual to change the distance between the indoor unit and the wall or ceiling.	
7	The communication fault between the indoor unit and outdoor unit	1.The connection cable is connected improperly between the indoor unit and outdoor unit; 2.The communication cable is connected loosely; 3.The communication cable fails; 4.The indoor control board fails; 5.The outdoor control board fails; 6.Communication circuit fuse open; 7.The specification of communication cable is incorrect.	1.Reconnect the connection cable referring to the wiring diagram; 2.Reconnect the communication cable; 3.Replace the communication cable; 4.Replace the indoor control board; 5.Replace the outdoor control board; 6.Check the communication circuit, adjust the DIP switch and the short-circuit fuse. 7.Choose suitable communication cable referring to the user manual	

16.TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
12	Voltage absent phase	Three-phase power is abnormal; The outdoor wiring is connected improperly; The outdoor control board fails.	1. Normal protection; 2. Check the wiring connection referring to the wiring diagram; 3. Replace the outdoor control board.	Application of three-phase power supply models
13	Compressor overheat protector device	1. The wiring of the overload protector is connected loosely; 2. The overload protector fails; 3. The refrigerant is not enough; 4. The installation pipe is much longer than the normal one, but no extra refrigerant is added; 5. The expansion valve fails; 6. The outdoor control board fails.	1. Reconnect the wiring of the overload protector; 2. Replace the overload protector; 3. Check the welding point of the unit to confirm whether there is leakage, and then recharge the refrigerant; 4. Add the refrigerant; 5. Replace expansion valve; 6. Replace the outdoor control board.	
14	The high pressure switch operation or the unit is turned off for high pressure protection	1.The wiring of the high pressure protector is connected loosely; 2.The high pressure protector fails; 3.The outdoor control board is abnormal; 4. Overload in cooling; 5. Overload in heating.	1. Reconnect the wiring of the high pressure protector; 2. Replace the high pressure protector; 3. Replace the outdoor control board; 4. Please refer to NOTE 3; 5. Please refer to NOTE 4.	Applied to models with high pressure switch or pressure sensor
15	The low pressure switch protection or the unit is turned off for low pressure protection	1. The wiring of the low pressure switch is connected loosely; 2. The low pressure switch fails; 3. The refrigerant is not enough; 4. The expansion valve fails in heating mode; 5. The outdoor control board is abnormal.	1. Reconnect the wiring of the low pressure switch; 2. Replace the low pressure switch; 3. Check the welding point to confirm whether the unit leaks, and then add some refrigerant; 4. Replace the expansion valve; 5. Replace the outdoor control board.	Applied to models with low pressure switch or pressure sensor
16	Overload protection in cooling mode	System overloads.	Please refer to NOTE 3.	
17	Discharge temperature sensor fault	1.The wiring of the discharge temperature sensor is connected loosely; 2.The discharge temperature sensor fails; 3.The sampling circuit is abnormal.	1.Reconnect the wiring of the discharge temperature sensor; 2.Replace the discharge temperature sensor; 3.Replace the outdoor control board.	
18	AC voltage is abnormal	1.The AC voltage>275V or <160V; 2.The AC voltage of sampling circuit on the driver board is abnormal.	1. Normal protection, please check the supply power; 2. Replace the driver board.	
19	Suction temperature sensor fault	1.The wiring of the suction temperature sensor is connected loosely; 2.The suction temperature sensor fails; 3.The sampling circuit is abnormal.	1.Reconnect the wiring of the suction temperature sensor; 2. Replace the suction temperature sensor; 3. Replace the outdoor control board.	
22	The defrosting sensor fault	1.The wiring of the defrosting sensor is connected loosely; 2.The defrosting sensor fails; 3.The sampling circuit is abnormal.	1. Reconnect the wiring of the defrosting sensor; 2. Replace the defrosting sensor; 3. Replace the outdoor control board.	
45	IPM fault	There are many reasons for this failure. You can check the driver board fault LED to further analyze the fault code of the drive board and to learn about what leads to the fault and how to operate it. Specific information can be seen in table 4, table 5.	See attached "analysis of the driving board fault".	

16.TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
46	IPM and control board communication fault	1.The cable between the control board and the driver board is connected loosely; 2.The cable between the control board and the driver board fails; 3.The driver board fails; 4.The control board fails.	1.Reconnect the cable between the control board and the driver board; 2.Replace the communication cable between the control board and the driver board; 3.Replace the driver board; 4.Replace the control board.	
47	Too high discharge temperature fault	1. The refrigerant of the unit is not enough; 2.The refrigerant of the unit is not enough due to that the installation pipe is longer; 3.Throttling service fails; 4.The outdoor ambient temperature is too high.	1.Check the welding point to confirm whether the unit has leakage point, and then add some refrigerant; 2. Add some refrigerant referring to the installation user manual; 3. Replace the throttling service (such as capillary, expansion valve); 4.Normal protection.	
48	The outdoor DC fan motor fault (upper fan motor)	1.The connecting wiring of the up DC fan motor is loose; 2.The cord of the upper DC fan motor fails; 3.The upper DC fan motor fails; 4.The drive circuit of the upper DC fan motor fails; 5.The outdoor fan has been blocked.	1.Reconnect the wiring of the up DC fan motor; 2.Replace the upper DC fan motor; 3.Replace the upper DC fan motor; 4.Replace the driver board of the fan motor; 5.Check the outdoor fan and ensure the outdoor fan can run normally.	
49	The outdoor DC fan motor fault (down fan motor)	1.The connecting wiring of the down DC fan motor is loose; 2.The cord of the down DC fan motor fails; 3. The down DC fan motor fails; 4. The drive circuit of the down DC fan motor fails; 5. The outdoor fan has been blocked.	1. Reconnect the wiring of the down DC fan motor; 2. Replace the down DC fan motor; 3. Replace the down DC fan motor; 4. Replace the driver board of the fan motor; 5. Check the outdoor fan and ensure the outdoor fan can run normally.	
91	The unit is turned off due to the IPM board over heating fault	1.The outdoor ambient temp. is too high; 2.The speed of the out fan motor is too low if the fan motor is AC fan motor; 3.The outdoor unit is not installed in accordance with the standard; 4.The supply power is too low.	1. Normal protection; 2. Check the fan capacitor, and replace the fan capacitor if it fails; 3. Reinstall the outdoor unit referring to the installation user manual; 4.Normal protection.	
96	Lacking of refrigerant	The refrigerant of the unit is not enough.	Discharge the refrigerant and charge the refrigerant referring to the rating label.	
97	4-way valve commutation failure fault	1.The connecting wiring of the 4-way valve coil is loose; 2.The 4-way valve coil fails; 3.The 4-way valve fails; 4.The driver board of the 4-way valve fails.	1. Reconnect the wiring of the 4-way valve; 2. Replace the 4-way valve coil; 3. Replace the 4-way valve; 4.Replace the driver board of the 4-way valve.	

16.TROUBLESHOOTING

The following is the fault code table of indoor unit.

Table 2 Indoor fault code

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
37	Humidity sensor failure	1.The cable of the humidity sensor connect loose; 2.The humidity sensor is failure; 3.The indoor control board is failure.	1. Reconnect the cable of the humidity sensor; 2. Replace the humidity sensor; 3.Replace the indoor control board.	
51	Drainage protection	1. The water level of the drain pan exceeds safe level; 2. The cable of the water level switch is connected loosely; 3.The water level switch fails; 4.The control board fails.	1. Check whether there is something blocking the drain hose or the height of the drain hose is too high; 2. Check the water pump and replace the water pump if the water pump fails; 3. Reconnect the cable of the water level switch referring to the wiring diagram; 4. Replace the water level switch; 5. Replace the control board.	
55	Mode conflict fault	The user sets the conflicting mode for more than two indoor units.	Reset the operation mode for the indoor unit, for with one outdoor unit, the user should avoid setting the conflicting operation mode with the indoor units.	
64	Communication between Indoor & Outdoor unit Fault	1. The indoor unit and the outdoor unit are not connected properly; 2. The communication cable is connected loosely; 3. The communication cable between the indoor unit and the outdoor unit fails or the cable between the indoor control board to terminal fails or the cable between the outdoor control board to the terminal fails; 4. The indoor control board fails; 5. The outdoor control board fails.	1. Reconnect the connection cable referring to the indoor and outdoor wiring diagram; 2. Reconnect the communication cable referring to the indoor and outdoor wiring diagram; 3. Replace the communication cable referring to the indoor and outdoor wiring diagram; 4. Replace the indoor control board; 5. Replace the outdoor control board.	

16.TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with	Remarks
72	Indoor fan motor fault	1. The cable of the indoor fan motor is connected loosely; 2. The cable of the indoor fan motor fails; 3. The indoor fan motor fails; 4. The indoor control board fails.	1.Reconnect the cable of the fan motor; 2.Replace the cable of the fan motor; 3.Replace the fan motor; 4.Replace the indoor control board; 5.Check the indoor fan and ensure the indoor fan can run normally.	
73	Indoor EEPROM Data 1 fault	1. Indoor EE components fail; 2. The control circuit of the EE components fails; 3. The EE components has been inserted in opposite direction.	1. Replace the EE components; 2. Replace the indoor control board; 3. Reassemble the EE components of the indoor control board.	
81	Indoor ambient Temperature Sensor Fault	1. The cable of the room temperature sensor is connected loosely; 2. The room temperature sensor fails; 3. The sampling circuit is abnormal.	1.Reconnect the cable of the room temperature sensor; 2. Replace the room temperature sensor; 3.Replace the indoor control board.	
83	Evaporator Middle Temperature Sensor Fault	1.The cable of the coil temperature sensor of the evaporator fails; 2.The coil temperature sensor of the evaporator fails; 3.The sampling circuit is abnormal.	1. Reconnect the cable of the coil temperature sensor of the evaporator; 2. Replace the coil temperature sensor of the evaporator; 3. Replace the indoor control board.	
FE (254)	Communication between main control board & Wired controller Fault (display on wired controller)	1. The wired controller and the indoor control board are connected loosely; 2. The sequence of the wiring between the wired controller to the indoor control board is wrong; 3. The wiring between the wired controller to the indoor control board fails; 4. The wired controller fails; 5. The indoor control board is abnormal.	1. Reconnect the wiring between the wired controller to the indoor control board; 2. Replace the wiring between the wired controller to the indoor control board; 3. Replace the wiring between the wired controller to the indoor control board; 4. Replace the wired controller; 5. Replace the indoor control Board.	
ER	Communication between main control board & display board Fault (displays on display board)	1.The wiring between the display board to the indoor control board is connected loosely; 2.The sequence of the wiring between the display board to the indoor control board is wrong; 3.The wiring between the display board to the indoor control board fails; 4.The display board fails; 5.The indoor control board fails.	1. Reconnect the wiring between the display board to the indoor control board; 2. Replace the wiring between the display board to the indoor control board; 3. Replace the wiring between the display board to the indoor control board; 4. Replace the display board; 5. Replace the indoor control board.	

16. TROUBLESHOOTING

NOTE 1:

If the indoor unit can not start or the indoor unit stops itself after 30s, at the same time the unit do not display the fault code, please check the fire and the socket of the control board.

NOTE 2:

If the indoor unit displays the 75,76,77,78 fault code after you turn on the unit, please check the TEST seat of the indoor control board or the TEST detection circuit to see whether short circuit occurs.

NOTE 3: Overload in cooling mode

Overload in cooling mode		
sr.	The root cause	Corrective measure
1	The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the rating label.
2	The outdoor ambient temperature is too high.	Please use it within allowable temperature range
3	Short-circuit occurs in the air outlet and air inlet of the outdoor unit.	Adjust the installation of the outdoor unit referring to the user manual.
4	The outdoor heat exchanger is dirty, such as condenser.	Clean the heat exchanger of the outdoor unit, such as condenser.
5	The speed of the outdoor fan motor is too low.	Check the outdoor fan motor and fan capacitor.
6	The outdoor fan is broken or the outdoor fan is blocked.	Check the outdoor fan.
7	The air inlet and outlet have been blocked.	Remove the obstacles.
8	The expansion valve or the capillary fails.	Replace the expansion valve or the capillary.

NOTE 4: Over load in heating mode

Overload in heating mode		
sr.	The root cause	Corrective measure
1	The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the rating label.
2	The indoor ambient temperature is too high.	Please use within allowable temperature range.
3	Short-circuit occurs in the air outlet and air inlet of the indoor unit.	Adjust the installation of the indoor unit referring to the user manual.
4	The indoor filter is dirty.	Clean the indoor filter.
5	The speed of the indoor fan motor is too low.	Check the indoor fan motor and fan capacitor.
6	The indoor fan is broken or the outdoor fan is blocked.	Check the indoor fan.
7	The air inlet and outlet have been blocked.	Remove the obstacles.
8	The expansion valve or the capillary fails.	Replace the expansion valve or the capillary.

16. TROUBLESHOOTING

Turbo Inverter: 9~12 **Super Inverter:** 18-36

Table 3 Analysis of the driving board fault

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Inverter DC voltage overload fault	1. Power supply input is too high or too low; 2. Driver board fault.	1. Check power supply ; 2. Change driver board.
2	Inverter DC low voltage fault		
3	Inverter AC current overload fault		
4	Out-of-step detection	1. Compressor phase lost ; 2. Bad driver board components ; 3. The compressor insulation fault.	1. Check compressor wire connection; 2. Change the driver board; 3. Change compressor.
5	Loss phase detection fault (speed pulsation)		
6	Loss phase detection fault (current imbalance)		
7	Inverter IPM fault (edge)	1. System overload or current overload; 2. Driver board fault. 3. Compressor oil shortage, serious wear of crankshaft ; 4. The compressor insulation fault.	1. Check the system. 2. Change the driver board; 3. Change the compressor; 4. Change the compressor.
8	Inverter IPM fault (level)		
9	PFC_IPM IPM fault (edge)		
10	PFC_IPM IPM fault (level)		
11	PFC power detection of failure	1. The power supply is not stable; 2. Instantaneous power off; 3. Driver board failure.	1. Check the power supply. 2. No need to deal with. 3. Change the driver board.
12	PFC overload current detection of failure.	1. System overload, current is too high; 2. Driver board fails; 3. PFC fails.	1. Check the system; 2. Change the driver board; 3. Change the PFC.
13	DC voltage detected abnormal .	1. Input voltage is too high or too low; 2. Driver board fails.	1. Check the power supply; 2. Change the driver board.
14	PFC LOW voltage detected failure.		
15	AD offset abnormal detected failure.	Driver board fails.	Change the driver board.
16	Inverter PWM logic set fault.		
17	Inverter PWM initialization failure		
18	PFC_PWM logic set fault.		
19	PFC_PWM initialization fault.		
20	Temperature abnormal.		
21	Shunt resistance unbalance adjustment fault		
22	Communication failure.	1. Communication wire connection is not proper; 2. Driver board fails; 3. Control board fails.	1. Check the wiring; 2. Change the driver board; 3. Change the control board.
23	Motor parameters setting of failure	Initialization is abnormal.	Reset the power supply.
25	EE data abnormal	Driver board EEPROM is abnormal	1. Change EEPROM ; 2. Change the driver board.
26	DC voltage mutation error	1. Power input changes suddenly 2. Driver board fails.	1. Check power supply, to provide stable power supply; 2. Change driver board.
27	D axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check system to see if it works normally. 2. Check stop valve to see if it is open; 3. Change the driver board.
28	Q axis current control error	1. System overloads, phase current is too high ; 2. Driver board fails.	1. Check system to see if it works normally. 2. Check stop valve to see if it is open; 3. Change the driver board.
29	Saturation error of d axis current control integral	1. System overload suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check system to see if it works normally. 2. Check stop valve to see if it is open; 3. Change the driver board.
30	Saturation error of q axis current control integral	1. System overload suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check system to see if it works normally. 2. Check stop valve to see if it is open; 3. Change the driver board.

16. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with
50	Inverter software over-current	1. The fan motor system overloads; 2. The drive board fails; 3. The fan motor is not insulated well;	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor.
51	Out-of-step detection	1. The wire is not connected well; 2. Bad drive board components; 3. The fan motor starting overloads; 4. The fan motor is demagnetized; 5. The fan motor is not insulated well.	1. Check the fan motor wire connection; 2. Change the drive board; 3. Change the fan motor. 4. Change the fan motor. 5. Change the fan motor.
52	Abnormal speed control	1. Bad driver board components; 2. The fan motor shaft clamping; 3. The fan motor insulation fails.	1. Change the drive board; 2. Change the fan motor. 3. Change the fan motor.
53	Out of phase detection fault	1. Phase loss of the fan motor; 2. Bad drive board components.	1. Change the drive board; 2. Change the fan motor; 3. Change the fan motor
54	IPM-FO hardware over-current (edge)	1. The fan motor overloads or over-current; 2. The drive board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
55	IPM-FO hardware over-current (level)	1. The fan motor overloads or over-current; 2. The drive board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
56	The fan motor -AD Offset abnormal detection fault	The drive board circuit fails.	Change the drive board.
57	The fan motor speed control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
58	The fan motor D,Q axis current control error	1. The fan motor overloads, the phase current is large; 2. The drive board fault.	1. Check the fan motor system; 2. Change the drive board.
59	The fan motor D,Q axis current control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The drive board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the drive board.
60	The fan motor reverse	1. Bad drive board components; 2. Wiring problems	1. Change the drive board; 2. Check the wiring.
61	IPM-PWM initialization fault	1. EE logics error; 2. The drive board fails.	1. Change the drive board; 2. Change the drive board.

16. TROUBLESHOOTING

Turbo Inverter 48~60

Table 4 Analysis of the driving board fault

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Inverter DC voltage overload fault	1. Power supply input is too high or too low; 2. Driver board fault.	1. Check the power supply; 2. Change the driver board.
2	Inverter DC low voltage fault		
3	Inverter AC current overload fault		
4	Out-of-step detection	1. Compressor phase lost; 2. Bad driver board components; 3. The compressor insulation fault.	1. Check the compressor wire connection; 2. Change the driver board; 3. Change the compressor.
5	Loss phase detection fault (speed pulsation)		
6	Loss phase detection fault (current imbalance)		
7	Inverter IPM fault (edge)	1. System overload or current overload; 2. Driver board fault; 3. Compressor oil shortage, serious wear of crankshaft ; 4. The compressor insulation fault.	1. Check the system; 2. Change the driver board; 3. Change the compressor; 4. Change the compressor.
8	Inverter IPM fault (level)		
9	PFC fault (edge)		
10	PFC fault (level)		
11	PFC power detection of failure	1. The power supply is not stable; 2. Instantaneous power failure; 3. Driver board failure.	1. Check the power supply; 2. No need to deal with; 3. Change the driver board.
12	PFC overload current detection of failure.	1. System overloads, and the current is too high; 2. Driver board fails; 3. PFC fails.	1. Check the system; 2. Change the driver board; 3. Change the PFC.
13	DC voltage detected abnormal .	1. Input voltage is too high or too low; 2. Driver board fails.	1. Check the power supply; 2. Change the driver board.
14	PFC LOW voltage detected failure.		
15	AD offset abnormal detected failure.		
16	Inverter PWM logic set fault.		
17	Inverter PWM initialization failure		
18	PFC_PWM logic set fault.		
19	PFC_PWM initialization fault.		
20	Temperature abnormal.		
21	Shunt resistance unbalance adjustment fault		
22	Communication failure.	1. Communication wire connection is not proper; 2. Driver board fails; 3. Control board fails.	1. Check the wiring; 2. Change the driver board; 3. Change the control board.
23	Motor parameters setting of failure	Initialization is abnormal.	Reset the power supply.
25	EE data abnormal	Driver board EEPROM is abnormal.	1. Change EEPROM; 2. Change the driver board.
26	DC voltage mutation error	1. Power input changes suddenly; 2. Driver board fails.	1. Check the power supply, to provide stable power supply; 2. Change the driver board.
27	D axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
28	Q axis current control error	1. System overload, phase current is too high; 2. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
29	Saturation error of D axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.
30	Saturation error of Q axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Driver board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the driver board.

16. TROUBLESHOOTING

Fault code	Fault description	Possible reasons for abnormality	How to deal with
50	Inverter software over-current	1. The fan motor system overloads; 2. The drive board fails; 3. The fan motor is not insulated well;	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor.
51	Out-of-step detection	1. The wire is not connected well; 2. Bad drive board components; 3. The fan motor starting overloads; 4. The fan motor is demagnetized; 5. The fan motor is not insulated well.	1. Check the fan motor wire connection; 2. Change the drive board; 3. Change the fan motor. 4. Change the fan motor. 5. Change the fan motor.
52	Abnormal speed control	1. Bad driver board components; 2. The fan motor shaft clamping; 3. The fan motor insulation fails.	1. Change the drive board; 2. Change the fan motor. 3. Change the fan motor.
53	Out of phase detection fault	1. Phase loss of the fan motor; 2. Bad drive board components.	1. Change the drive board; 2. Change the fan motor; 3. Change the fan motor
54	IPM-FO hardware over-current (edge)	1. The fan motor overloads or over-current; 2. The drive board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
55	IPM-FO hardware over-current (level)	1. The fan motor overloads or over-current; 2. The drive board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the drive board; 3. Change the fan motor
56	The fan motor -AD Offset abnormal detection fault	The drive board circuit fails.	Change the drive board.
57	IPM temperature overload fault	1. The drive board fails; 2. Loosening of IPM and radiator; 3. The fan motor load is large;	1. Change the drive board; 2. Check if the IPM is in close contact with the radiator 3. Check whether the air inlet/outlet is seriously dirty.
58	The fan motor startup fault	1. Poor fan motor wire contact; 2. The drive board fault.	1. Check the fan motor wire; 2. Change the drive board.
59	Inverter DC voltage of fan motor overload fault	1. Power supply input is too high or too low; 2. The drive board fault.	1. Check the power supply; 2. Change the drive board.
60	Inverter DC low voltage of fan motor overload fault		
61	Communication failure.	1. Communication wire connection is not proper; 2. Driver board fails; 3. Control board fails.	1. Check the wiring; 2. Change the driver board; 3. Change the control board.

16.TROUBLESHOOTING

Turbo Inverter

85

Table 5 Analysis of the driving board fault

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Q axis current detection, failure in drive control	1. Compressor wire is not connected properly; 2. Bad driver board components; 3. Compressor start load is too large; 4. Compressor demagnetization; 5. The compressor is short of oil, and the crankshaft is worn seriously; 6. The compressor insulation fails.	1. Check the compressor wire; 2. Change the driver board ; 3. Turn on the unit after the pressure is balanced again; 4. Change the compressor; 5. Change the compressor; 6. Change the compressor.
2	Loss phase detection fault	1.Compressor voltage default phase; 2.Bad driver board components; 3.The compressor insulation fault.	1.Check the compressor wire connection; 2.Change the driver board; 3.Change the compressor.
3	Initialization, phase current imbalance	Bad driver board components.	Change the driver board .
4	Speed estimation, failure in drive control	1.Bad driver board components; 2.Compressor shaft is clamped; 3.The compressor insulation fails.	1.Change the driver board ; 2.Change the compressor ; 3.Change the compressor .
5	IPM FO output fault	1. System overload or current overloads. 2. Driver board fails; 3. The compressor is short of oil, and the crankshaft is worn seriously; 4. The compressor insulation fault.	1.Check the air conditioner system; 2.Change the driver board; 3.Change the compressor; 4.Change the compressor.
6	Communication between driver board and control board fault	1.Communication wire connection is not well; 2.Driver board fault; 3.Control board fault.	1. Check the compressor wire connect. 2. Change the driver board; 3. Change the control board ;
8	DC voltage, overload voltage	1. Supply voltage input is too high ; 2. Driver board fault;	1. Check the power supply; 2. Change the driver board;
13	Inverter over current	1. System overload, current is too large; 2. Driver board fault; 3. The compressor is short of oil, and the crankshaft is worn seriously; 4. The compressor insulation fault.	1. Check the system; 2. Change the driver board; 3. Change the compressor; 4. Change the compressor.
15	The instantaneous power off detection	1.The power supply is not stable ; 2.The instantaneous power failure ; 3.Driver board fault.	1. Check the power supply; 2. Not fault; 3. Change the driver board.
16	Low DC	1. Voltage input is too low; 2. Drive board fault.	1. Check the power supply; 2. Change the driver board.
22	IPM temperature overload fault	1. The drive board fails; 2. Loosening of IPM and radiator; 3. The fan motor load is large;	1. Change the drive board; 2. theradiator 3. Check whether the air inlet/outlet is seriously dirty.

16.TROUBLESHOOTING

Table 6 Limitation Code

Code	Definitions	Descriptions
101	When overcurrent occurs, stop the frequency from increasing.	Current control
102	When overcurrent occurs, reduce the frequency.	Current control
103	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.
104	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.
105	When the discharge temperature is too high, stop the frequency from increasing.	Frequency control to keep appropriate discharge temperature.
106	When the discharge temperature is too high, reduce the frequency.	Frequency control to keep appropriate discharge temperature.
107	In cooling mode, when the temperature of the outdoor unit coil is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.
108	In cooling mode, when the temperature of the outdoor unit coil is too high, reduce the frequency.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.
113	To prevent the indoor unit from being frozen or high temperature, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the indoor unit coil.
114	To prevent the indoor unit from being frozen or high temperature, reduce the frequency.	Frequency control to keep appropriate temperature of the indoor unit coil.
119	When DSH exceeds the target value, the valve opening gets wider to adjust the flow.	Control on expansion valve based on DSH.
120	When DSH exceeds the target value, the valve opening gets narrower to adjust the flow.	Control on expansion valve based on DSH.
121	When DSH exceeds the target value, stop the valve opening from getting narrower.	Control on expansion valve based on DSH.
122	When DSH exceeds the target value, stop the valve opening from getting wider.	Control on expansion valve based on DSH.
131	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.
132	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.
134	When the discharge temperature is too high, stop the valve opening getting narrower.	Control on discharge temperature expansion valve.
140	The compressor overloads.	Control on the compressor output.
141	The compressor current overloads.	Control on the output torque of the compressor.

※ DSH: Discharge Super Heat

These codes appearing in the operation process indicate some kind of normal operation state, instead of faults, so they do not need to be dealt with.

17. CHECKING COMPONENTS

17. Checking components

17.1 Check refrigerant system

TEST SYSTEM FLOW

Conditions: ① Compressor is running.

② The air condition should be installed in good ventilation.

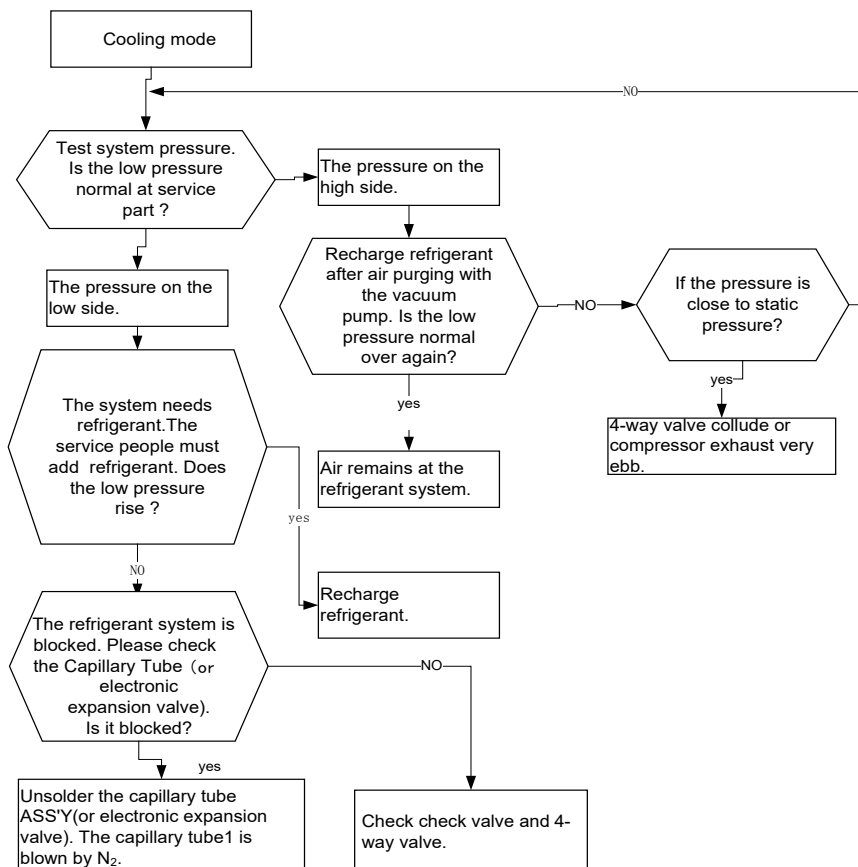
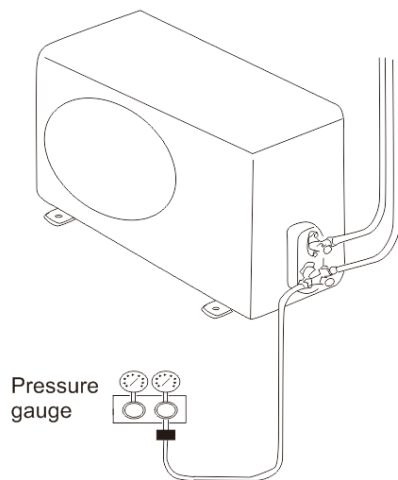
Tool: Pressure Gauge

Technique: ① see ② feel ③ test

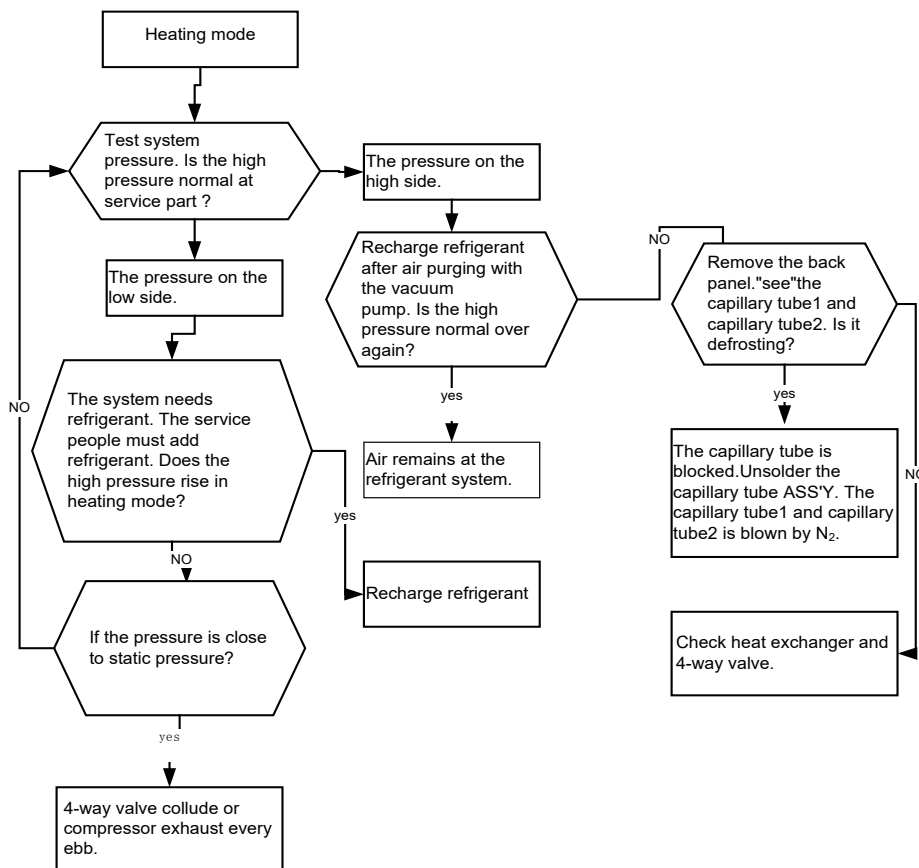
See ----- Tube defrost.

Feel ----- The difference between tube's temperature.

Test ----- Test pressure.



17. CHECKING COMPONENTS



17.2 Check parts unit

1. Indoor unit fan motor

Duct motor model (DC motor):

24(MSP): ZWF-210H

36/48/60: ZW702B500021

85 DC Motor model: ZW702D000015

Compact Cassette:

9/18 DC Motor model: ZW465B500021

Cassette:

24 DC Motor model: ZW511B500061

36~48 DC Motor model: ZW511B500062

60 DC Motor model: ZW511B500131

Duct motor model (DC motor) 9/12:

SIC-68CVL-F140-1

18(LSP): SIC-68CVL-F160-2 Ceiling & Floor (DC motor)

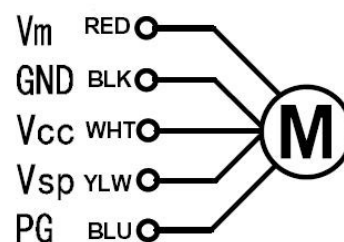
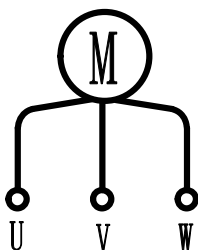
24: SIC-70CW-F1140-3

36/60: SIC-101CW-F1181-2

48: SIC-70CW-F1100-6

Console Motor model :

SIC-39CE-F130-1



17. CHECKING COMPONENTS

2. Outdoor unit fan motor(DC type)

Turbo inverter model:

9/12:

ZWA138L03B; ZKFN-30-8-19; TWZ30-A32

48: ZW511A800002; ZW511A800052

60: ZWB4710L17A

Super inverter model:

18: ZKFN-40-8-33

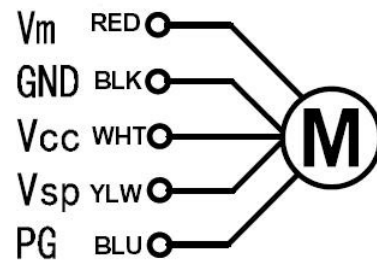
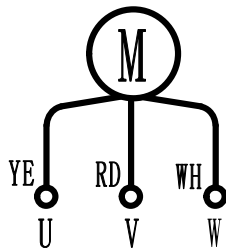
24: ZW511A800002

36: ZKFN-102-8-1

Turbo inverter 85 model:

SIC-88FWJ-F1200-2;

SIC-88FWJ-F1200-3



Test in voltage(For DC motor)

TOOL: Multimeter.

Insert screwdriver to rotate indoor fan motor slowly for 1 revolution or over, and measure voltage "YELLOW" and "GND" on motor. The voltage repeat 0V DC and 5V DC. NOTE: Please don't hold motor by lead wires.

Please don't plug IN/OUT the motor connector while power ON.

Please don't drop hurl or dump motor against hard material. Malfunction may not be observed at early stage after such shock. But it may be found later, this type of mishandling void our warranty.

3. Compressor

Compressor examine and repair

Turbo inverter model:

9/12: KSN98D34UFZ3

48: KTF400D64UMT

60: KTQ420D1UMU

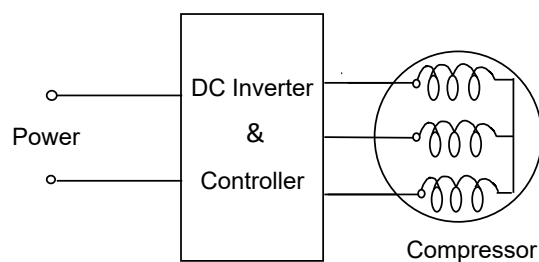
85: KTQ580D66UNT

Super inverter model:

18: KTN150D53UFZ3

24: KTM225D43UMT

36: KTF310D43UMT



Test in resistance.

TOOL: Multi-meter.

Test the resistance of the winding. The compressor fails if the resistance of winding is 0 (short circuit) or ∞ (open circuit).

17. CHECKING COMPONENTS

Familiar error:

- 1) Compressor motor lock.
- 2) Discharge pressure value approaches static pressure value.
- 3) Compressor motor winding abnormality.

Notes:

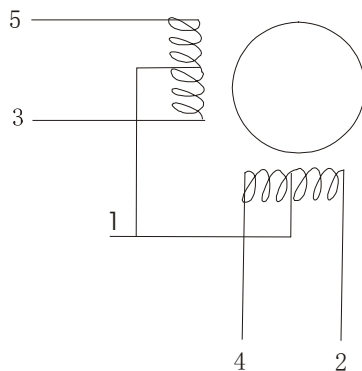
- 1) Don't put a compressor on its side or turn over.
- 2) Please assemble the compressor in your air conditioner rapidly after removing the plugs.
Don't place the comp. in air for a long time.
- 3) Avoid compressor running in reverse caused by connecting electrical wire incorrectly.
- 4) Warning! In case AC voltage is impressed to compressor, the compressor performance will decrease because of its rotor magnetic force decreasing.

4. INDUCTANCE

Familiar error:

- 1) Sound abnormality
- 2) Insulation resistance disqualification.

5. Step motor



Test in resistance.

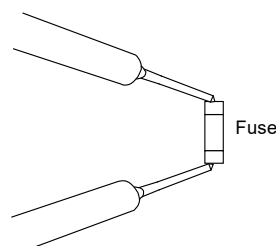
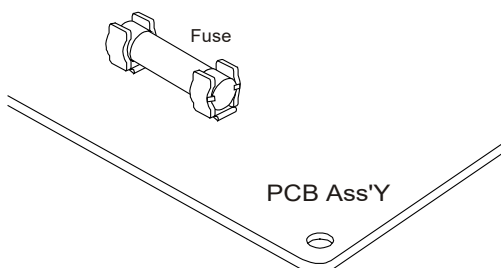
TOOL: Multimeter.

Test the resistance of winding. The stepper motor fails if the resistance of winding is 0 (short circuit) or ∞ (open circuit) .

6. Fuse

Check for continuity of fuse on PCB ASS'Y.

Remove the PCB ASS'Y from the electrical component box. Then pull out the fuse from the PCB ASS'Y. Check for continuity by a multimeter as shown below.



18. DISASSEMBLY PROCEDURE

18. Disassembly procedure

Outdoor unit

Disassembly and assembly for compressor and motor

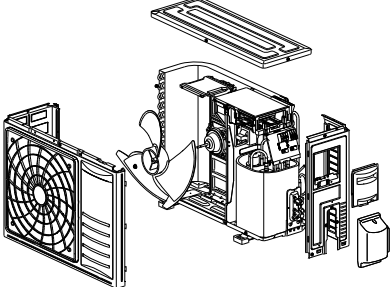
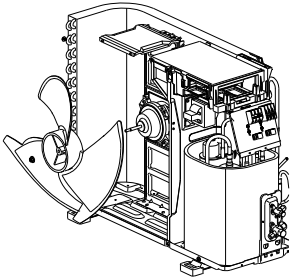
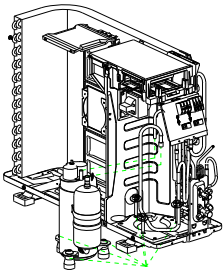
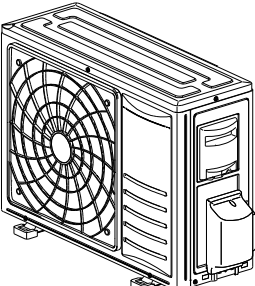
The special tools for compressor & motor disassembly and assembly:

	Tool
1	Hexagon Screwdriver 
2	Hexagon Socket  

Turbo Inverter: 9~12

Super Inverter: 18~36

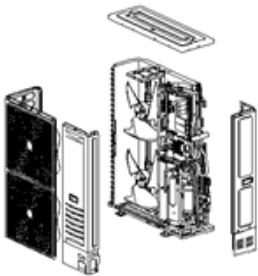
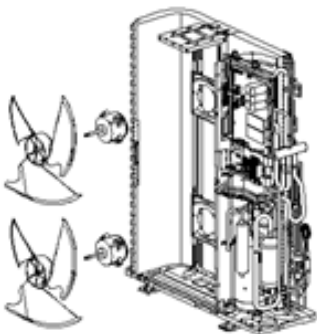
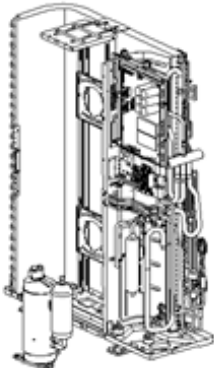
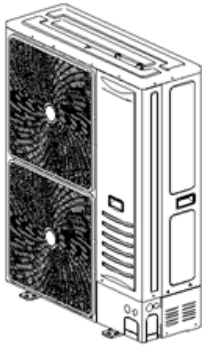
Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.

Step	Illustration	Handling Instruction
1.Remove external casing		1. Remove the top cover, handle and valve cover; 2. Remove the outer case and right side plate.
2.Remove motor		1. Remove the blade nut and then remove the blade; 2. Remove the motor from motor supporter
3.Remove compressor		1. Reclaim the refrigerant from the entire system. 2. Unsolder the 4-way valve piping assy from compressor; 3. Remove the compressor mounting bolts; 4. Carefully remove the compressor from chassis.
4. Assemble unit		Assemble the unit in the reverse order of disassembly.

18. DISASSEMBLY PROCEDURE

Turbo inverter

48

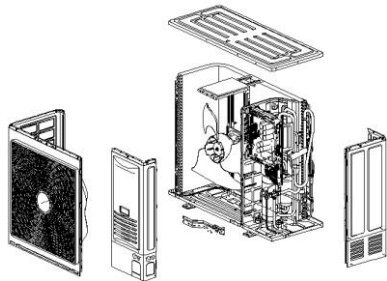
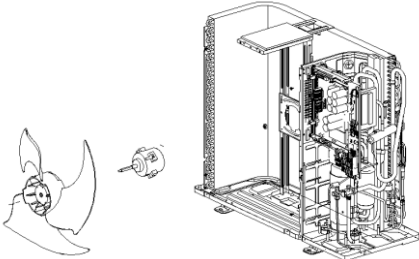
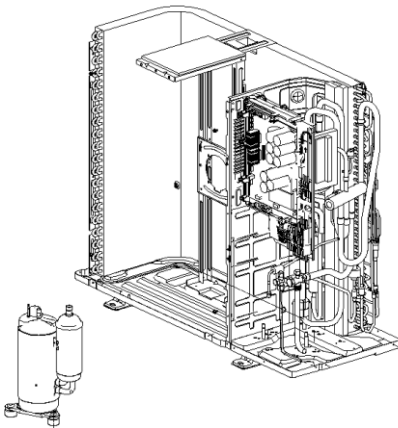
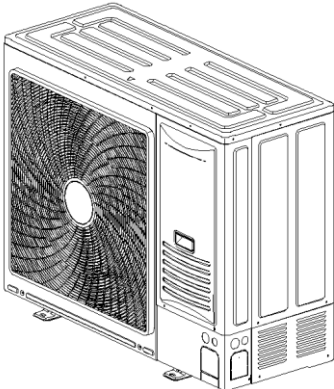
Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.		
Step	Illustration	Handling Instruction
1. Remove external casing		1. Remove the top cover, handle and valve cover; 2. Remove the outer case and right side plate.
2. Remove motor		1. Remove the blade nut and then remove the blade; 2. Remove the motor from motor supporter.
3. Remove compressor		1. Unsolder the 4-way valve piping assy from compressor; 2. Remove the compressor mounting bolts; 3. Carefully remove the compressor from chassis.
4. Assemble unit		Assemble the unit in the reverse order of disassembly.

18. DISASSEMBLY PROCEDURE

Turbo inverter

60

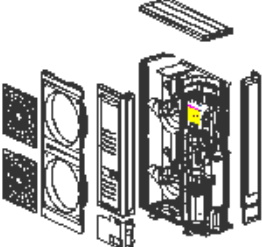
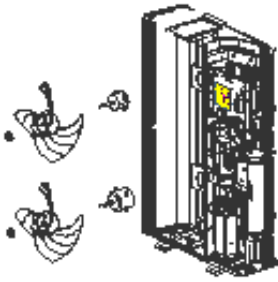
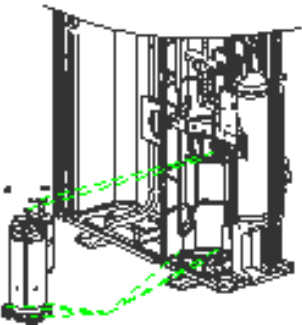
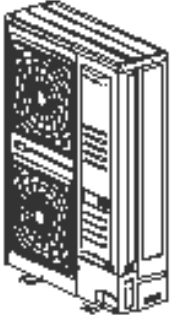
Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.

Step	Illustration	Handling Instruction
1.Remove external casing		1.Remove the top cover and handle; 2.Remove the outer case and valve mounting plate.
2.Remove motor		1.Remove the blade nut and then remove the blade; 2.Remove the motor from motor supporter;
3.Remove compressor		1. Unsolder the 4-way valve piping assy from compressor; 2. Remove the compressor mounting bolts; 3. Carefully remove the compressor from chassis.
4.Assemble unit		Assemble the unit in the reverse order of disassembly.

18.DISASSEMBLY PROCEDURE

Turbo inverter

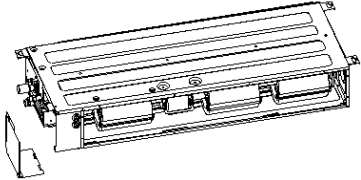
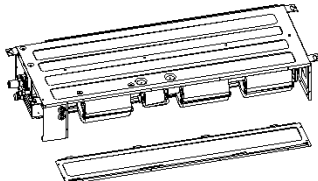
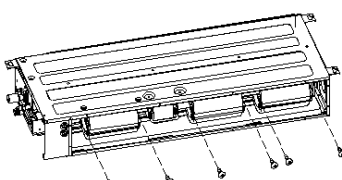
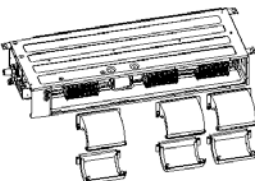
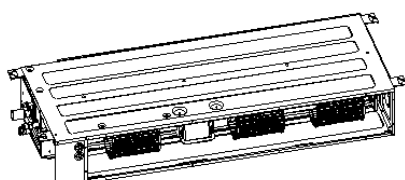
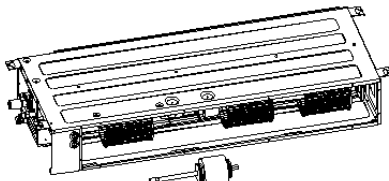
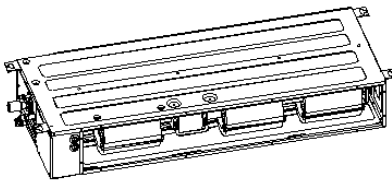
85

Important: Before disassembly and assembly, make sure that the power to the system has been disconnected and verified as voltage free.		
Step	Illustration	Handling Instruction
1. Remove external casing		1. Remove the top cover, handle and valve cover; 2. Remove the outer case and right side plate.
2. Remove motor		1. Remove the blade nut and then remove the blade; 2. Remove the motor from motor supporter.
3. Remove compressor		1. Unsolder the 4-way valve piping assy from compressor; 2. Remove the compressor mounting bolts; 3. Carefully remove the compressor from chassis.
4. Assemble unit		Assemble the unit in the reverse order of disassembly.

18. DISASSEMBLY PROCEDURE

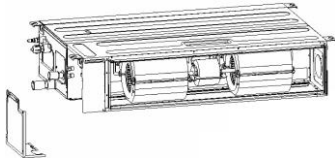
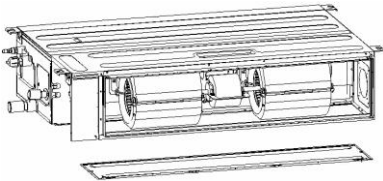
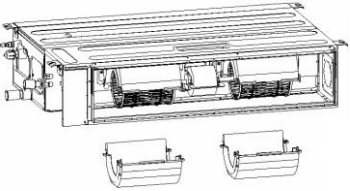
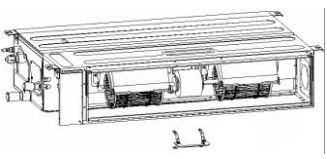
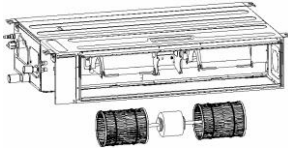
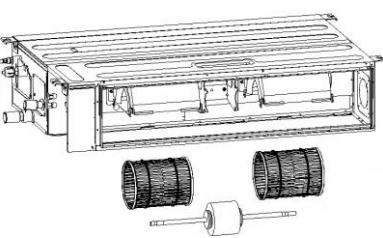
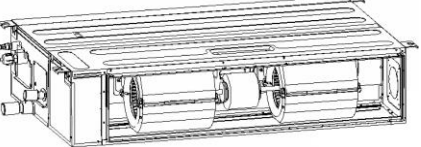
Duct type

9~18

Removal and Assembly of Fan Motor		
Important: Before removing the fan, make sure power to the system is disconnected.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables		Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the base board		Loosen and take out the screws fixing the base board, then remove the base board.
3. Remove the screws on fan sub-assembly.		Remove the screws on fan sub-assembly.
4. Remove the fan cage enclosure		Rotate the fan cage housing toward supply opening and remove.
5. Loosen the fan, crosshead and motor.		Use a hex wrench to loosen the screws holding the fan cage to the motor shaft, and the screws holding the crosshead to the motor shaft. Remove outer housing holding motor in place.
6. Replace the motor		Remove the motor from the support bracket. Then remove the fan cages from the motor shafts. Remove the motor from the air inlet and replace with new motor. Be sure to tighten the cages onto the motor shafts.
7. Reassembly of the unit		Reassemble the unit in the reverse order of disassembly and test operation.

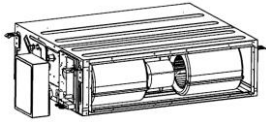
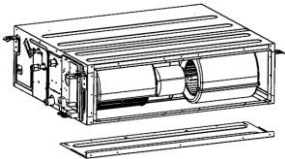
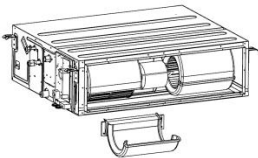
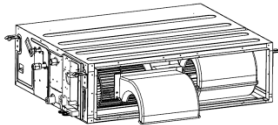
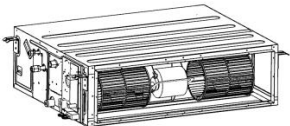
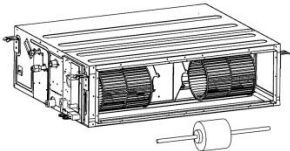
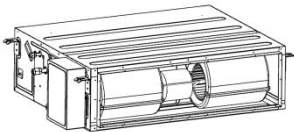
18. DISASSEMBLY PROCEDURE

24

Removal and Assembly of Fan Motor		
Important: Before removing the fan, make sure power to the system is disconnected.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables		Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the base board		Loosen and take out the screws fixing the base board, then remove the base board.
3. Remove the screws on fan sub-assembly.		Remove the screws on fan sub-assembly.
4. Remove the clamp sub-assembly.		Screw the bolts on the clamp sub-assembly, and take the clamp out of the motor bracket.
5. Remove the fan and motor sub-assembly.		Remove the fan and motor sub-assembly from the motor bracket.
6. Remove the fan.		Remove the fan cages from the motor shafts.
7. Reassembly of the unit		Reassemble the unit in the reverse order of disassembly and test operation.

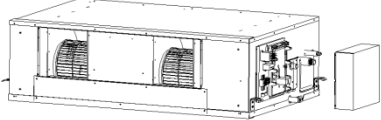
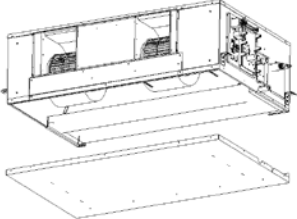
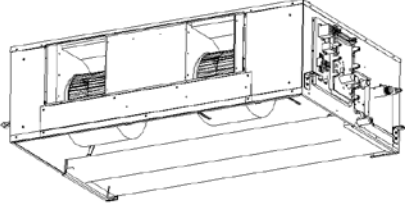
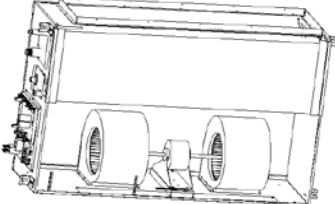
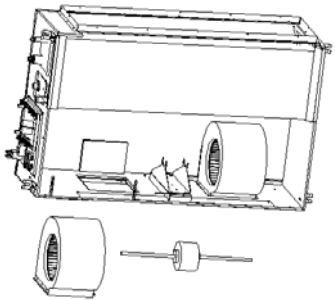
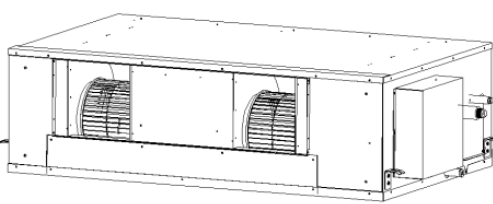
18. DISASSEMBLY PROCEDURE

36~60

Removal and Assembly of Fan Motor		
Important: Before removing the fan, make sure power to the system is disconnected.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables		Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the base board		Loose and take out the screws fixing the base board, then remove the base board.
3. Remove the screws on fan sub-assembly.		Remove the screws on fan sub-assembly.
4. Removing the fan cage enclosure		Rotate the fan cage housing toward supply opening and remove.
5. Loosen the fan and motor.		Use a hex wrench to loosen the screws holding the fan cage to the motor shaft. Remove outer housing holding motor in place.
6. Replace the motor		Remove the motor from the support bracket. Then remove the fan cages from the motor shafts. Remove the motor from the air inlet and replace with new motor. Be sure to tighten the cages onto the motor shafts.
7. Reassembly of the unit		Reassemble the unit in the reverse order of disassembly and test operation.

18. DISASSEMBLY PROCEDURE

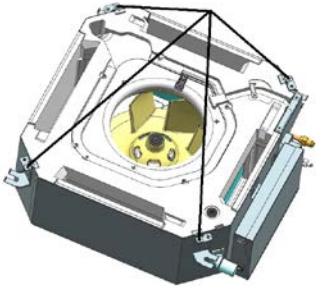
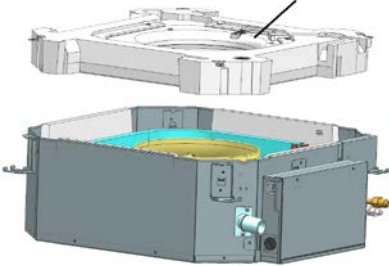
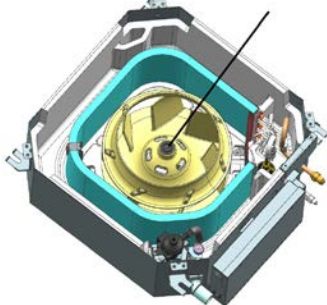
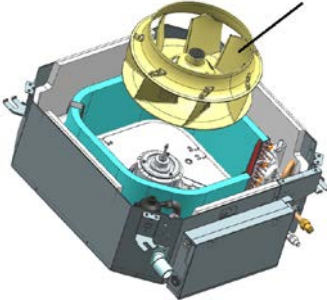
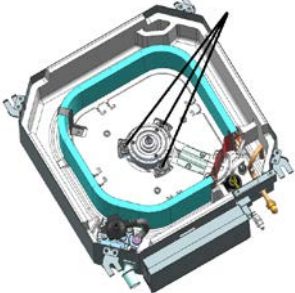
85

Removal and Assembly of Fan Motor		
Important: Before removing the fan, make sure power to the system is disconnected.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables		Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the base board		Loosen and take out the screws fixing the base board, then remove the base board.
3. Loosen the fan		Use a hexagon screwdriver to loosen the screws holding the fan cage to the motor shaft.
4. Loosen the volute and motor		Use screwdriver to loosen the volute. Remove outer housing holding motor in place.
5. Replace the motor		Remove the fan cage from the motor shaft. Remove the motor from the air outlet and replace with new motor. Be sure to tighten the cages onto the motor shafts.
6. Reassembly of the unit		Reassemble the unit in the reverse order of disassembly and test operation.

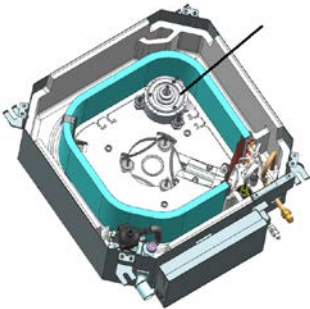
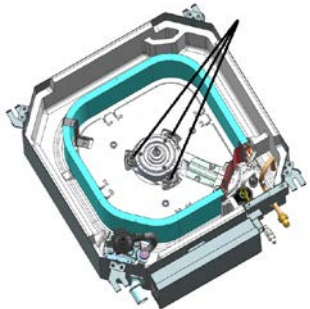
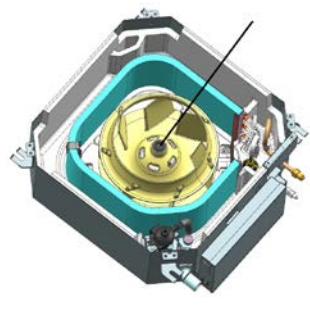
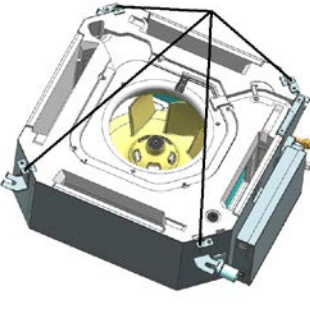
18. DISASSEMBLY PROCEDURE

Compact Cassette type

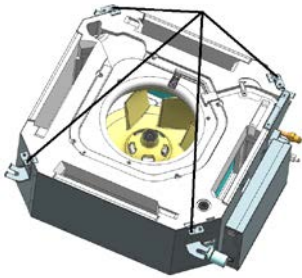
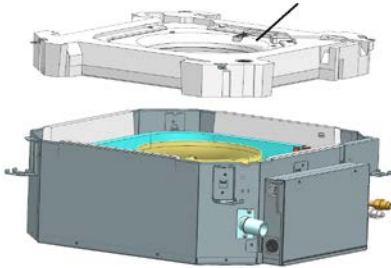
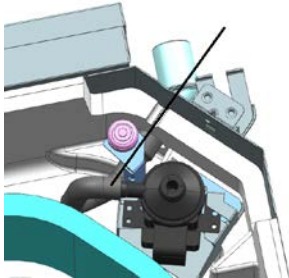
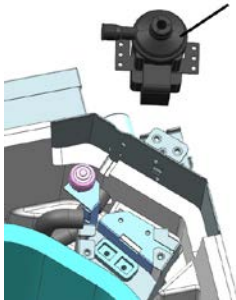
12~18

Replacement of Fan Motor		
Step	Illustration	Handling Instruction
1. Loosen the screws holding condensate pan.		Use screwdriver to loosen the screws holding the drain pan in place.
2. Remove the condensate pan		Carefully remove the condensate pan.
3. Loosen the bolt holding the fan blade in place		Use a wrench or socket to carefully remove the fan blade bolt.
4. Remove the fan blade		The fan blade can now be removed.
5. Loosen the bolts holding the motor in place		Use a wrench or socket to carefully remove the motor bolts.

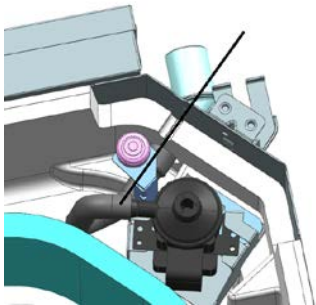
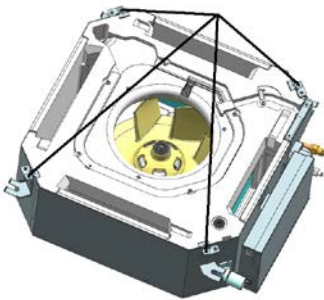
18. DISASSEMBLY PROCEDURE

Replacement of Fan Motor		
Step	Illustration	Handling Instruction
6. Remove the motor and replace it		Remove the motor and replace it.
7. Tighten the bolts holding the motor		Use a wrench or socket to carefully tighten the motor bolts.
8. Mount the fan blade and tighten the bolt		Mount the fan blade and use a wrench or socket to carefully tighten the bolt holding the fan blade in place. Do not overtighten as damage may occur.
9. Reinstall the condensate pan and tighten the screws		Use a screwdriver to carefully tighten the screws holding the condensate pan in place. Take care to overtighten as damage to pan will occur.

18. DISASSEMBLY PROCEDURE

Removal and Installation of Condensate Pump		
Step	Illustration	Handling Instruction
1. Loosen the screws holding condensate pan		Use screwdriver to loosen the screws holding the drain pan in place.
2. Remove the condensate pan		Carefully remove the condensate pan.
3. Pull out the water outlet pipe		Pull out the water outlet Pipe.
4. Loosen the screws holding the condensate pump.		Loosen the screws holding the condensate pump.
5. Take out the pump and replace it		Take out the pump and replace it.

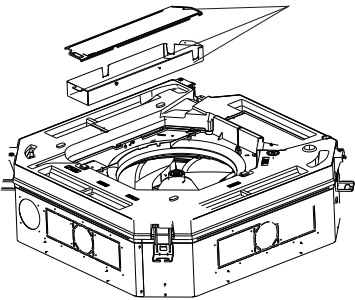
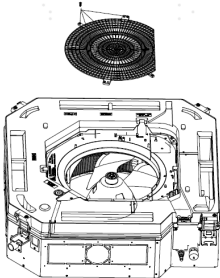
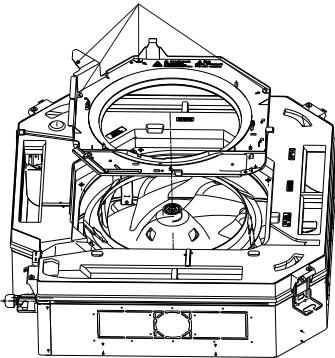
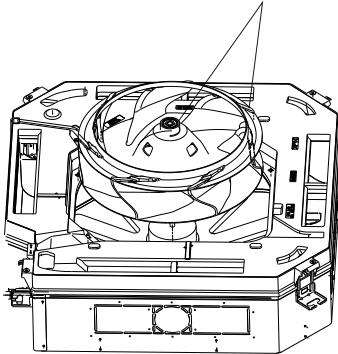
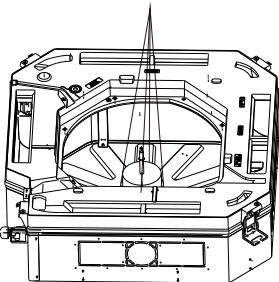
18. DISASSEMBLY PROCEDURE

Removal and Installation of Condensate Pump		
Step	Illustration	Handling Instruction
6. Tighten the screws holding the condensate pump		Use a screwdriver to tighten the screws holding the condensate pump in place.
7. Connect the condensate pipe		Connect the condensate pipe
8. Mount the condensate pan and tighten the screws		Use a screwdriver to carefully tighten the screws holding the condensate pan in place. Damage may occur if over tightened.

18. DISASSEMBLY PROCEDURE

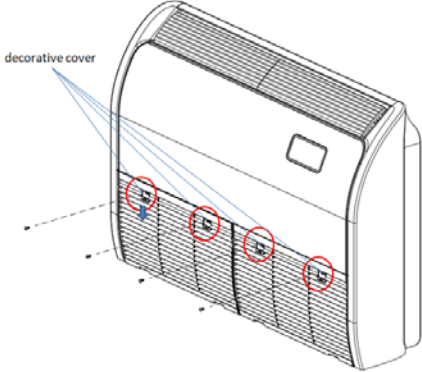
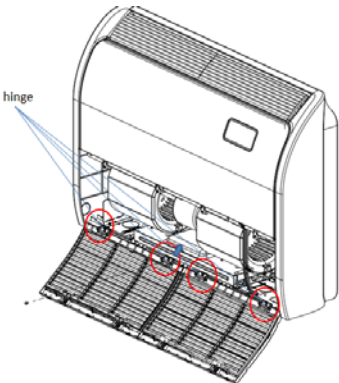
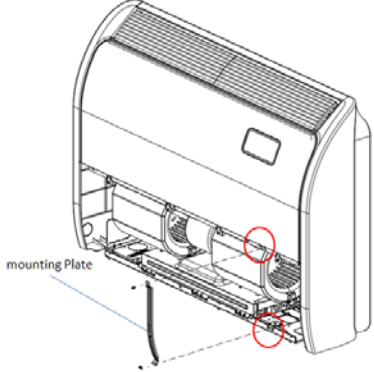
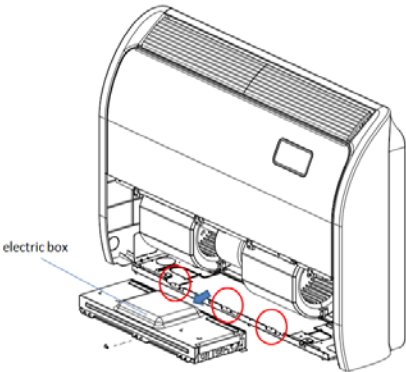
Cassette

type 24~60

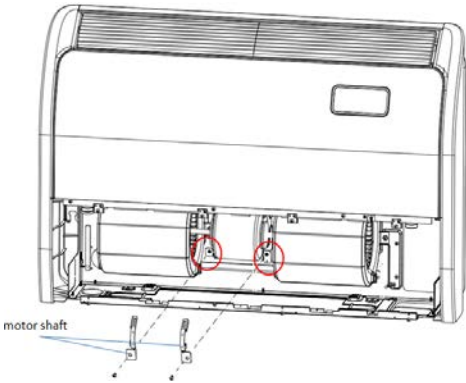
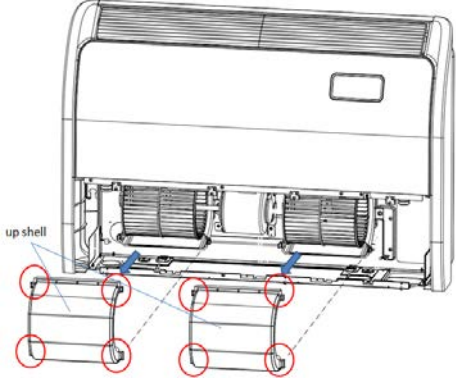
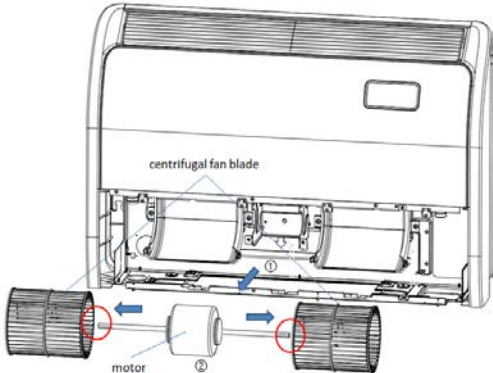
Step	Illustration	Handling Instruction
1. Loosen the screws holding the electric box cover and electric box.		Use screwdriver to loosen the electric box.
2. Loosen the screws holding the guard filter and remove the guard filter.		Use screwdriver to loosen the screws holding the air guiding in place.
3. Loosen the screws holding the air guiding plate and remove the air guiding plate.		Use screwdriver to loosen the screws holding the air guiding in place.
4. Loosen the bolts holding the fan blades in place and remove the fan blade.		Use a wrench or socket to carefully remove the fan blade bolts.
5. Loosen the screws holding the motor in place and remove the motor and replace it.		Use screwdriver to loosen the screws holding the motor.

18. DISASSEMBLY PROCEDURE

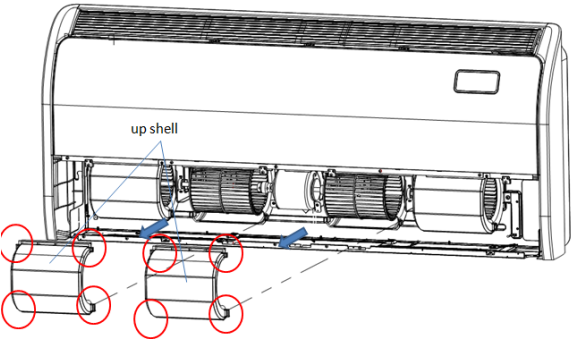
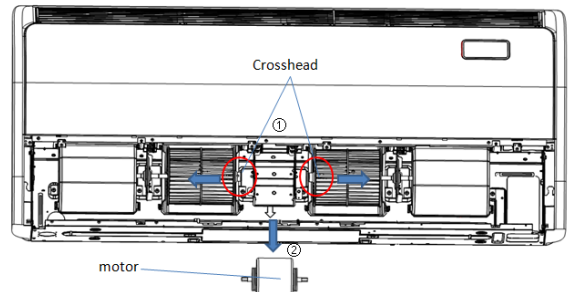
Floor ceiling type

Removal of the motor		
Step	Illustration	Handling instruction
1. Disassembly of the down front panel assembly	 decorative cover	Slide open the 4 decorative covers, loose and take out the 4 screws, then open the down front panel assembly.
	 hinge	Loose and take out the 4 screws fixing the hinge, then remove the down front panel assembly.
2. Disassembly of the mounting Plate	 mounting Plate	Loose and take out the 2 screws fixing the mounting Plate, then remove it.
3. Disassembly of the electric box	 electric box	Loose and take out the 3 screws fixing the electric box, then take it.

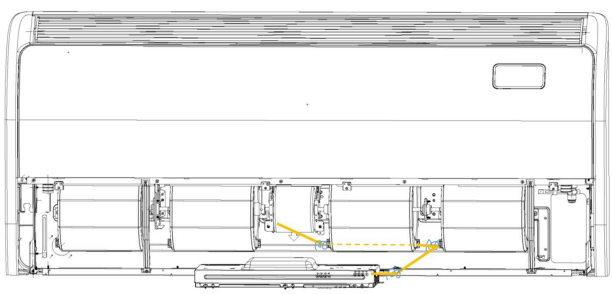
18. DISASSEMBLY PROCEDURE

Removal of the motor		
Step	Illustration	Handling instruction
4. Disassembly of the motor shaft		Remove the 2 screws fixing the motor shaft and fan blade by allen screwdriver.
5. Disassembly of the motor		Remove the fasteners between the up shell and the below shell; Take out of the motor and centrifugal fan blade; Remove the 2 screws fixing the centrifugal fan blade and get the motor.
		

18. DISASSEMBLY PROCEDURE

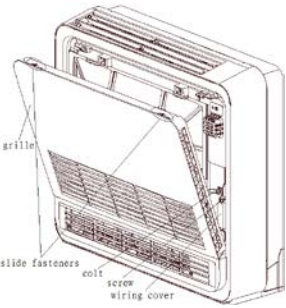
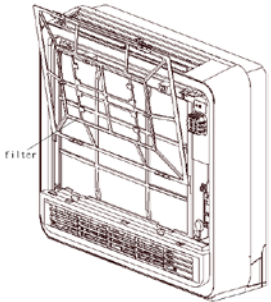
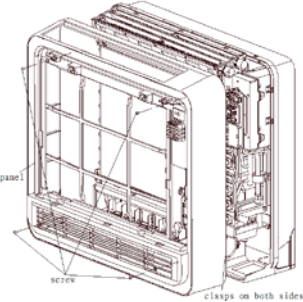
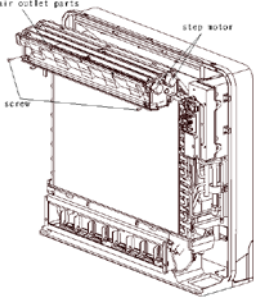
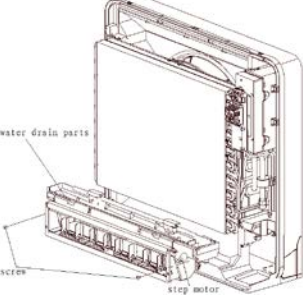
Removal of the motor		
Step	Illustration	Handling instruction
5. Disassembly of the motor (48model)	 up shell	Remove the fasteners between the up shell and the below shell on both sides of the motor; Remove the 2 screws fixing the Crosshead and take it away from the motor; Take out of the motor.
	 Crosshead motor	

Attention: The arrangement of the wire of motor

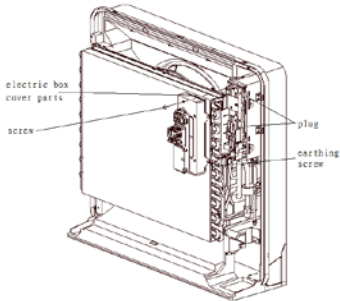
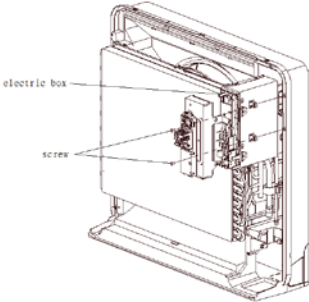
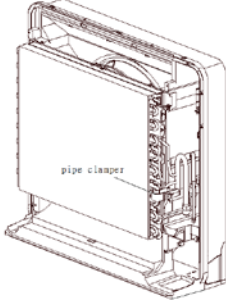
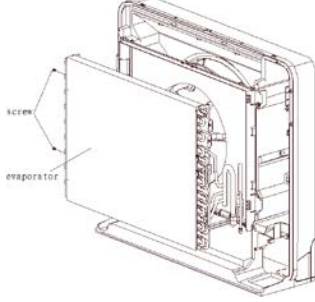
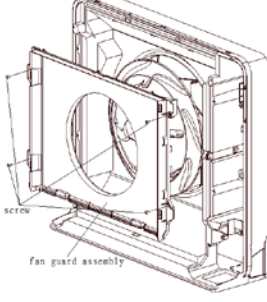
Illustration	Handling instruction
	Yellow line: The wire of motor. Dotted yellow line: The wire is under the fan shell. Blue helix: Wire strap During assembling, the wire of motor should be in tension and tied by the wire strap securely. Make sure the upper part of wire is parallel to the bottom as illustration. The distance between the wire and the cover of the electrical box should be 20mm. Make sure the electrical box does not press the wire.

18. DISASSEMBLY PROCEDURE

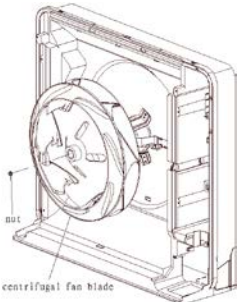
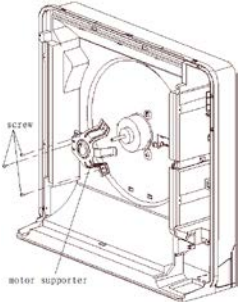
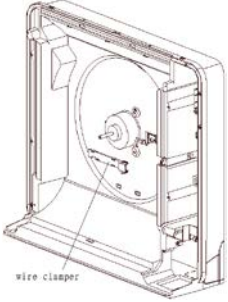
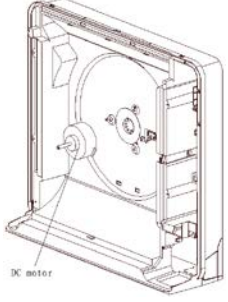
Console type

Removal of the motor		
Step	Illustration	Handling Instruction
1. Remove grille		Push the slide fasteners on the upper side of grille to open side; Pull the grille outwards, take off the coil, and lift up the grille; Remove the screw fixing wiring cover, pull out the plug of display wire and then remove the grille.
2. Remove filter		Loosen the clasp on the upper side of filter, pull the filter upwards to remove it.
3. Remove panel		Remove the 4 screws fixing panel; Disengage the clasps on both sides (Follow the arrows); Pull the panel upwards, and then remove it.
4. Remove air outlet parts		Remove the 2 screws fixing air outlet parts, pull out the connection wires between step motor and electric box, and then pull the air outlet parts outwards to remove it.
5. Remove water drain parts		Remove the 2 screws fixing water drain parts, pull out the connection wires between step motor and electric box, and then pull the water drain parts outwards to remove it.

18. DISASSEMBLY PROCEDURE

Removal of the motor		
Step	Illustration	Handling Instruction
6. Remove electric box cover parts		Remove the screw fixing electric box cover parts, remove the earth screw on the evaporator, pull out plugs of temperature sensor and DC motor wire, and then pull the electric box cover parts outwards to remove it.
7. Remove electric box		Remove the 2 screws fixing electric box, pull out all connection wires, and then pull the electric box outwards to remove it.
8. Remove pipe clamber		Loosen the clasp between pipe clamber and base, and then pull the pipe clamber outwards to remove it.
9. Remove evaporator		Remove the 2 screws fixing evaporator, loosen the clasps between the evaporator and base, and then pull the evaporator outwards to remove it.
10. Remove fan guard assembly		Remove the 4 screws fixing fan guard assembly, and then remove it.

18.DISASSEMBLY PROCEDURE

Removal of the motor		
Step	Illustration	Handling Instruction
11.Remove centrifugal fan blade		Remove nut on centrifugal fan blade, and then pull the centrifugal fan blade outwards to remove it.
12.Remove motor supporter		Remove the 3 screws fixing motor supporter, and then remove it.
13.Remove wire clasper		Loosen clasps between wire clasper and base, and then remove it.
14.Remove DC motor		Remove DC motor.

19.CONTROL LOGIC DESCRIPTION

19.Control logic description

19.1 Fan Only Mode

- (1) Outdoor fan and compressor stop.
- (2) Temperature setting function is disabled, and no setting temperature is displayed.
- (3) Indoor fan can be set to high/medium/low, but can not be set to auto.

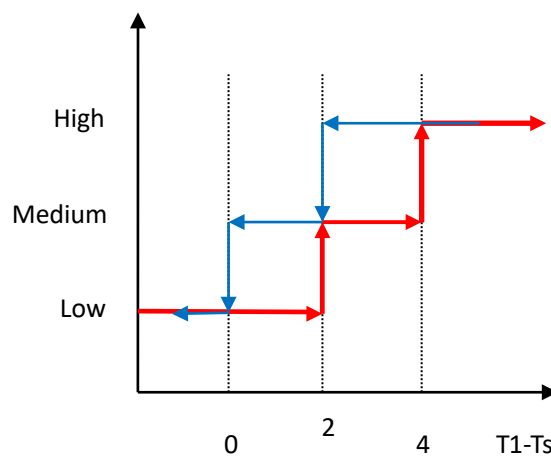
19.2 Cooling Mode

Indoor fan running rules:

In cooling mode, indoor fan runs all the time and the speed can be selected as high,(medium), low and auto.

The auto fan:

T1 is indoor room temperature. Ts is setting temperature.



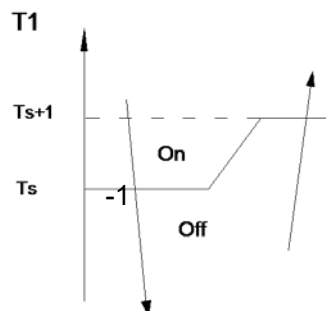
Inverter outdoor unit:

Compressor and outdoor fan running rules:

Once the compressor starts up, it will follow the below rules:

When indoor room temp. T1 is lower than Ts, the compressor and outdoor fan will shut off.

When T1 is higher than Ts+1, the compressor and outdoor fan will start up.



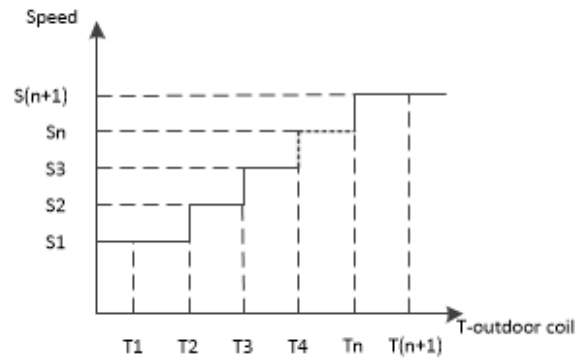
Outdoor fan running rules:

Once the outdoor fan start up, it will follow the below rules:

Single outdoor fan: First, it will run in an invariable speed for a short time; Then it will regulate the speed by the outdoor-coil temperature.

Double outdoor fan: If it has two outdoor fans, the upper fan regulates the speed by the rules, and the downer fan speed lower than the upper fan speed for 30rpm~60rpm.

19. CONTROL LOGIC DESCRIPTION



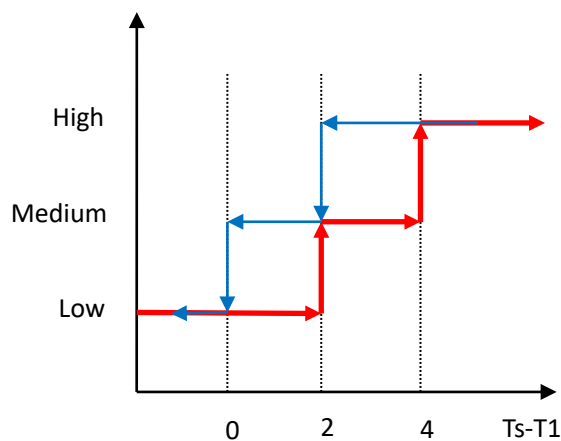
19.3 Heating Mode

Indoor fan running rules:

In several minutes after the heating mode is started, the fan of the indoor unit will not run until the heat exchanger of the indoor unit reaches a high enough temperature. That is because cold air prevention system is operating. After several minutes, the speed can be selected as high, (medium), low and auto.

The auto fan:

T_1 is indoor room temperature. T_s is setting temperature.



DC-Inverter outdoor unit:

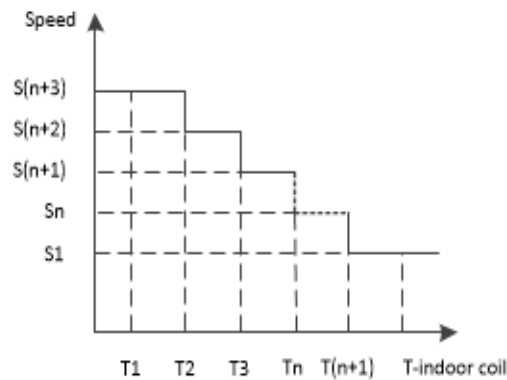
Outdoor fan running rules:

Once the outdoor fan start up, it will follow the below rules:

Single outdoor fan: First, it will run in an invariable speed for a short time; Then it will regulate the speed by the indoor-coil temperature.

Double outdoor fan: If it has two outdoor fans, the upper fan regulates the speed by the rules, and the downer fan speed lower than the upper fan speed for 30rpm~60rpm.

19. CONTROL LOGIC DESCRIPTION



19.4 Auto Mode

This mode can be chosen with remote controller and the set temperature can be changed between 16~30°C.

In auto mode, the unit will choose cooling, heating or fan-only mode according to ΔT ($\Delta T = T1 - Ts$).

$\Delta T = T1 - Ts$	Running mode
$\Delta T > 3^{\circ}\text{C}$	Cooling
$-3^{\circ}\text{C} \leq \Delta T \leq 3^{\circ}\text{C}$	Fan-only
$\Delta T < -3^{\circ}\text{C}$	Heating

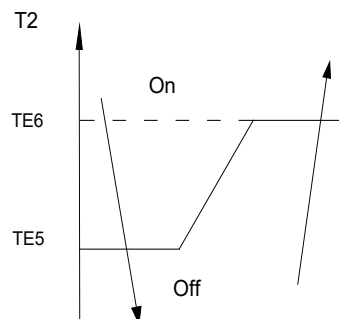
Indoor fan will run at auto fan of the relevant mode. The louver operates the same as in relevant mode. If the compressor keeps stopping for 10 minutes or the set temperature is modified, the machine will choose mode according to ΔT again.

19.5 Evaporator Low-temperature Protection

DC-Inverter

AC will enter T2 protection if any of the following condition is satisfied.

Condition:



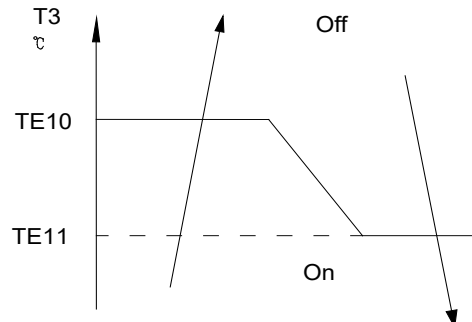
Cooling mode: When the indoor coil temp. $T2$ keeps lower than $TE5$ for 120 seconds, the compressor and outdoor fan will shut off. When $T2$ is higher than $TE6$, the compressor and outdoor fan will restart up.

19. CONTROL LOGIC DESCRIPTION

19.6 Condenser High-temperature Protection

DC-Inverter outdoor unit

AC will enter T3 protection if any of the following conditions is satisfied.



Condition1:

Cooling mode: When the outdoor coil temp. $T3$ keeps higher than $T2$ for 10 seconds, the compressor and outdoor fan will shut off. When $T3$ is lower than $T1$, the compressor and outdoor fan will restart up.

Condition2:

Heating mode: When the indoor coil temp. $T3$ keeps higher than $T2$ for 10 seconds, the compressor and outdoor fan will shut off. When $T3$ is lower than $T1$, the compressor and outdoor fan will restart up.

Hisense

Product improvement, specifications and appearance in this manual are subject to change without prior notice.