## 1 Summary and features

| Models | Remark |
| --- | --- |
| KY-25Na/D<br>KYD-25Na/D | 1Ph 220-230V 50HZ<br>R410a |

| Models | Remark |
| --- | --- |
| KY-32Na/D<br>KYD-32Na/D | 1Ph 220-230V 50HZ<br>R410a |

| Models | Remark |
| --- | --- |
| KY-25N/C-E<br>KYD-25N/C-E | 1Ph 230V～ 50HZ<br>R410a |

| Models | Remark |
| --- | --- |
| KY-32/K101<br>KYD-32/K101 | 1Ph 230V～ 50HZ<br>R410a |

## 2 Specification and technical data

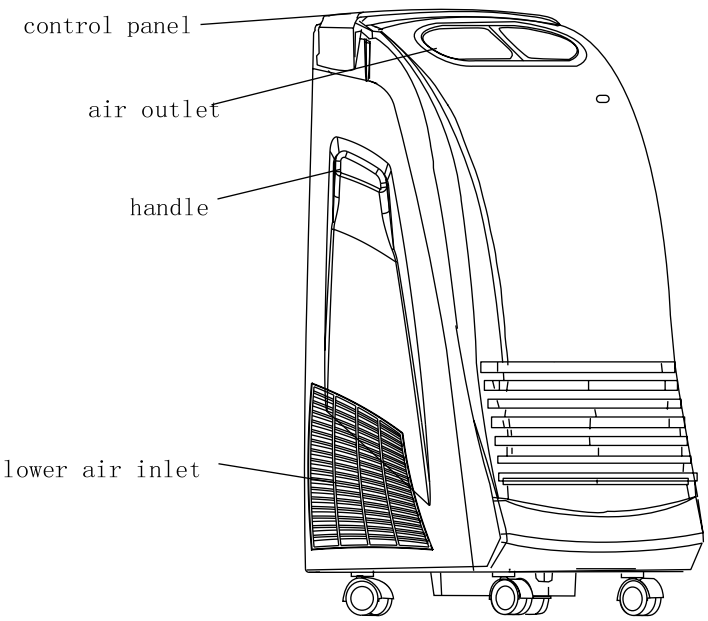
| Model | | | KY-25Na/D | KY-25Na/D | KY-32Na/D | KYD-32Na/D |
|---|---|---|---|---|---|---|
| Function | | | cooling | heating | cooling | heating |
| Power Supply (Phase-Voltage) | | | 1Ph－230V～ | | | |
| Frequency | | | 50Hz | | | |
| Capacity | | (W) | | | | |
| Rated Input | | (W) | 1100 | 1100/1850 | 1200 | 1200/1850 |
| Rated Current | | (A) | 4.2 | 4.2/8.0 | 5.2 | 5.2/8.0 |
| Recycling Air | | ($m^3$/h) | 250 | | 300 | |
| Dehumidifying | | (L/h) | 1.6 | 1.6 | 2.2 | 2.2 |
| C.O.P / EER | | (W/W) | 2.6 | 2.6/0.9 | 2.6 | 2.6/0.9 |
| Indoor Side | Fan Type-Piece | | | | | |
| | Diameter-Length (mm) | | Φ164×86 | | Φ174×85 | |
| | Evaporator | | Aluminum fin-copper tube | | | |
| | Pipe Diameter | | Φ7 | | | |
| | Row-Fin Gap (mm) | | 2-1.5 | | | |
| | Working Area (m2) | | 2.46 | | 0.08 | |
| | Swing Motor | | MP28GA | | | |
| | Input/Speed (W)/(rmp) | | 8/4 | | | |
| | Fuse (A) | | controller3.15A transformer 0.2A | | | |
| | Noise dB (A) | | ≤52 | | | |
| Outdoor Side | Input Power (W) | | C-1RV096H1B | | C-RV133H1B | |
| | Running Current (A) | | revolving | | | |
| | L.R.A. (A) | | 1050 | | 1150 | |
| | Throttling Method | | 5 | | 5 | |
| | Compressor Model | | 17 | | 24 | |
| | Protector | | B165-145-241E | | | |
| | Starting Method | | P.S.C | | | |
| | Working Temp Range | | Φ7 | | | |
| | Condenser | | 18～43℃ | -5～43℃ | 16～43℃ | -5～43℃ |
| | Pipe Diameter | | Aluminum fin-copper tube | | | |
| | Rows - Fin Gap (mm) | | 2-1.6 | | | |
| | Working Area (m2) | | 5.65 | | 0.23 | |
| | Fan Type-Piece | | centrifugal fan-1 | | | |
| | Fan Diameter (mm) | | Φ195×84 | | Φ210×80 | |
| | Defrosting Method | | — | | | |
| | Noise dB (A) | | 54 | | | |
| Motor Fan Speed (r/min) (H/L) | | | 1400/1300/1200 | | | |
| Output Power (w) | | | 40 | | | |
| Working Capacitor (Uf) | | | 2 | | | |
| Dimension (W/D/H)( mm) | | | 400×370×780 | | 450×370×856 | |
| Dimension of Package (W/D/H)( mm) | | | 634×440×840 | | 543×487×1134 | |
| Net Weight /Gross Weight (kg) | | | 42/46 | | 45/48 | |
| Refrigerant Charge (kg) | | | R410a/0.47 | | R410a/0.58 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Model | | | KY-25N/C-E | KYD-25N/C-E | KY-32/K101 | KYD-32/K101 |
| Function | | | cooling | cooling/heating | cooling | cooling/heating |
| Power Supply (Phase-Voltage) | | | 1Ph—230V～ | | | |
| Frequency | | | 50Hz | | | |
| Capacity | | (W) | 2500 | 2500/1500 | 3200 | 3200/1800 |
| Rated Input | | (W) | 1190 | 1190/1550 | 1200 | 1200/1900 |
| Rated Current | | (A) | 5.2 | 5.2/8.7 | 5.31 | 5.31/8.33 |
| Recycling Air | | ($m^3$/h) | 250 | | 290 | |
| Dehumidifying | | (L/h) | 1.3 | | 2.2 | 2.2 |
| C.O.P / EER | | (W/W) | 2.1 | 2.1/0.9 | 2.03 | 2.03/0.99 |
| Indoor Side | Fan Type-Piece | | Centrifugal fan / 1 | | | |
| | Diameter-Length (mm) | | Φ164×86 | | Φ174×85 | |
| | Evaporator | | Aluminum fin-copper tube | | | |
| | Pipe Diameter | | Φ7 | | | |
| | Row-Fin Gap (mm) | | 2-1.5 | | | |
| | Working Area (m2) | | 0.053 | | 0.08 | |
| | Swing Motor | | MP28GA | | | |
| | Input/Speed (W)/(rmp) | | 8/4 | | | |
| | Fuse (A) | | controller 1.3 A transformer 0.2A | | | |
| | Noise dB (A) | | ≤53 | | | |
| Outdoor Side | Input Power (W) | | C-1RV113H1B | | C-RV167H11AB | |
| | Running Current (A) | | revolving | | | |
| | L.R.A. (A) | | 1140 | | 1200 | |
| | Throttling Method | | 4.95 | | 5 | |
| | Compressor Model | | 21.5 | | 24 | |
| | Protector | | B165-145-241E | | MST20ALU-6V(9201/B190-135-241E) | |
| | Starting Method | | P.S.C | | | |
| | Working Temp Range | | ф9.52 | | | |
| | Condenser | | ≤35℃ | | 16～43℃ | -5～43℃ |
| | Pipe Diameter | | Aluminum fin-copper tube | | | |
| | Rows - Fin Gap (mm) | | 2-1.6 | | | |
| | Working Area (m2) | | 0.12 | | 0.23 | |
| | Fan Type-Piece | | Centrifugal fan / 1 | | | |
| | Fan Diameter (mm) | | Φ195×84 | | Φ210×80 | |
| | Defrosting Method | | — | | | |
| | Noise dB (A) | | 58 | | | |
| Motor Fan Speed (r/min) (H/L) | | | 1300/1180/1050 | | | |
| Output Power (w) | | | 25 | | | |
| Working Capacitor (Uf) | | | 2 | | | |
| Dimension (W/D/H)( mm) | | | 400×370×780 | | 450×370×856 | |
| Dimension of Package (W/D/H)( mm) | | | 634×440×840 | | 543×487×1134 | |
| Net Weight /Gross Weight (kg) | | | 42/46 | | 45/48 | |
| Refrigerant Charge (kg) | | | R410a/0.45 | | R410a/0.63 | |

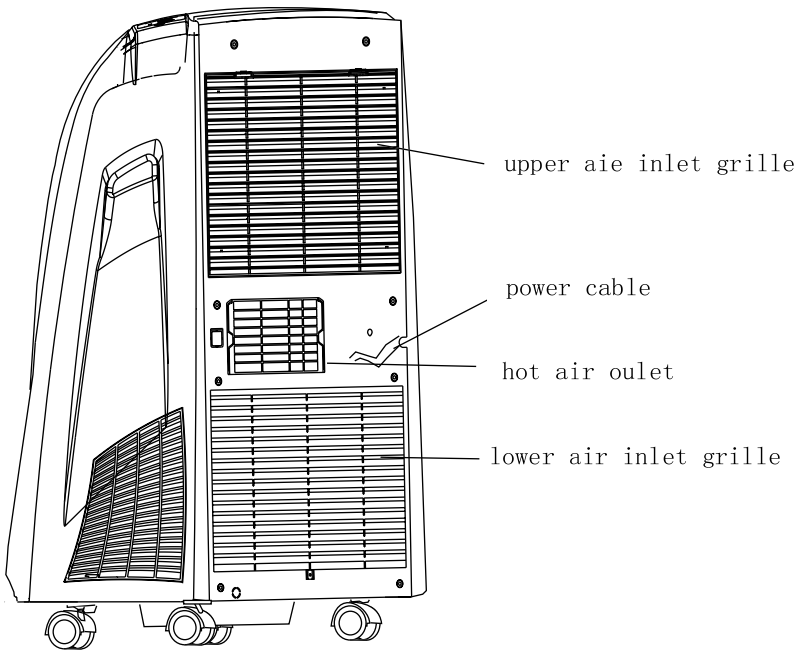
**The data are subject to change without notice, please refer to the data on nameplate.**

## 3 Parts name

Front

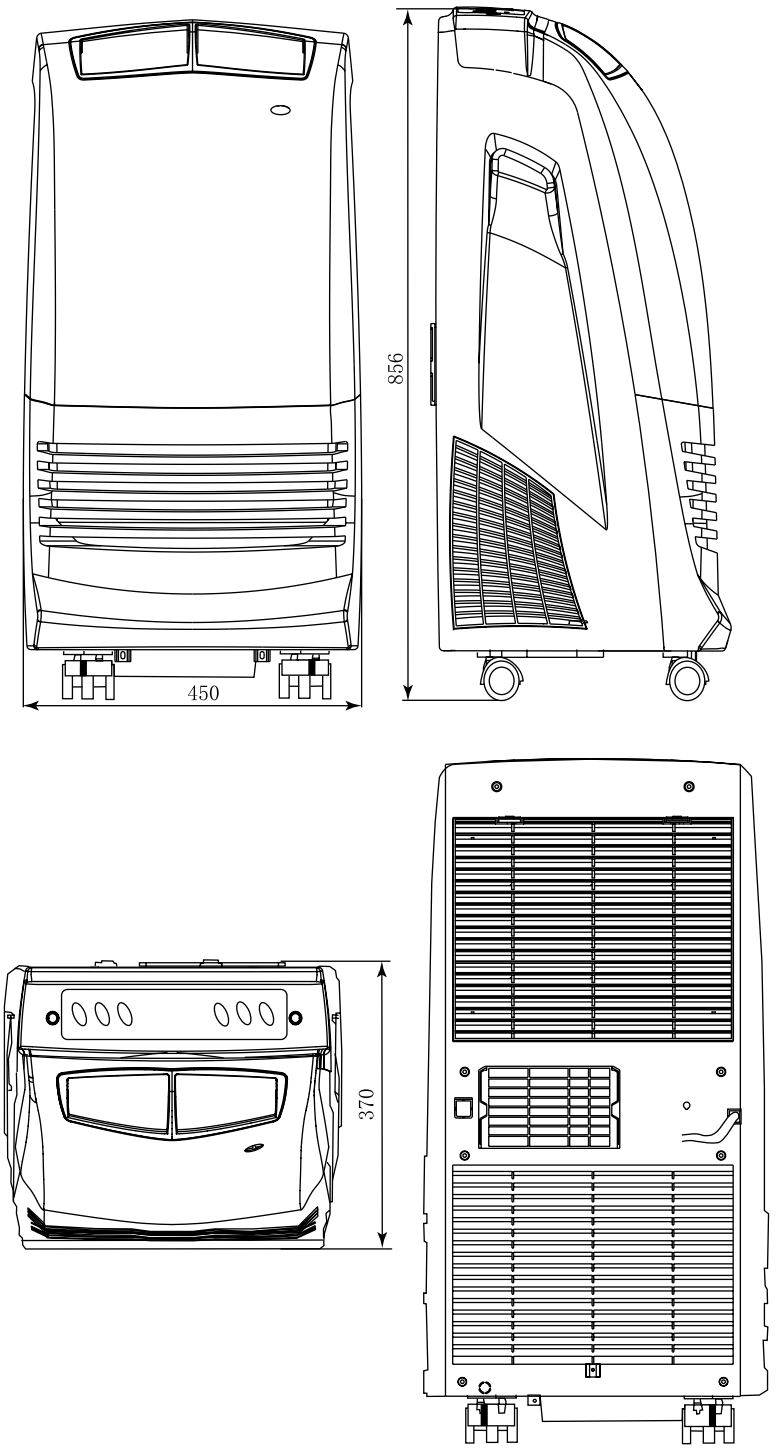



Rear

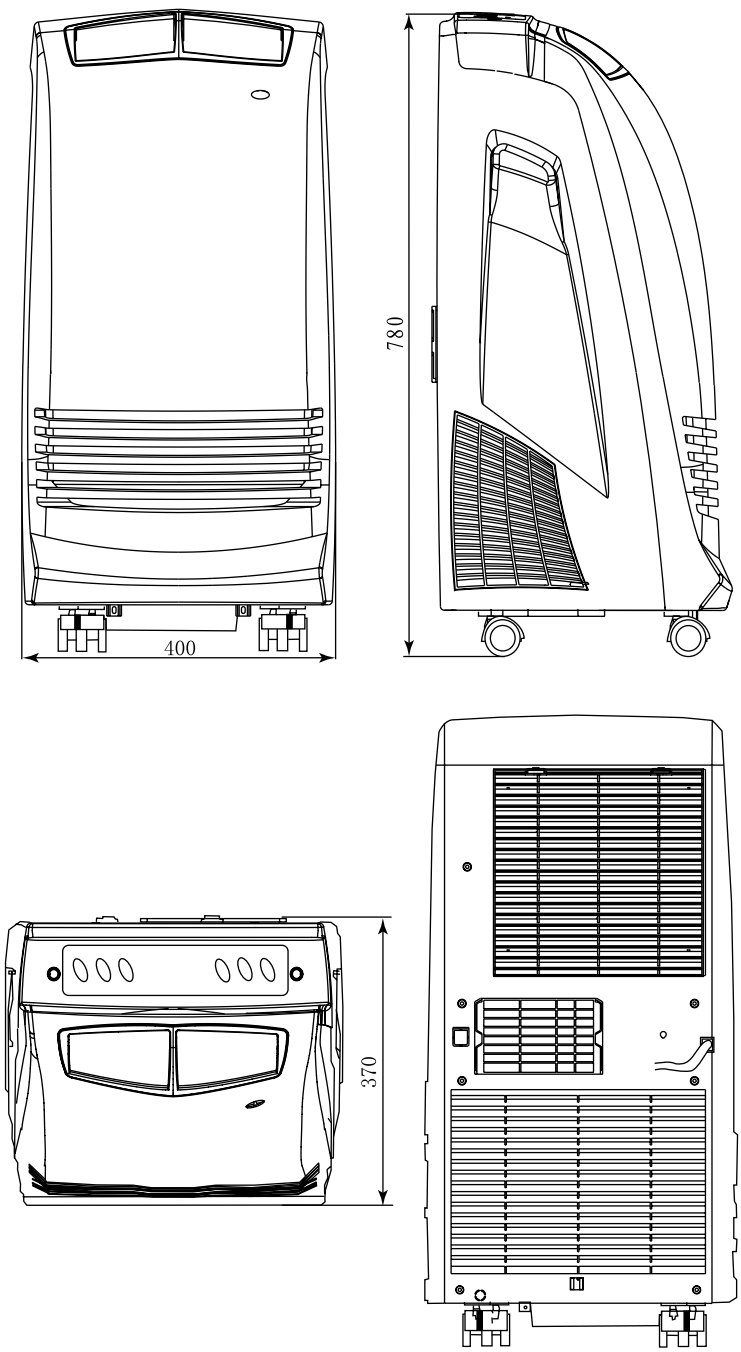


## 4 Outline and Installation Dimensions

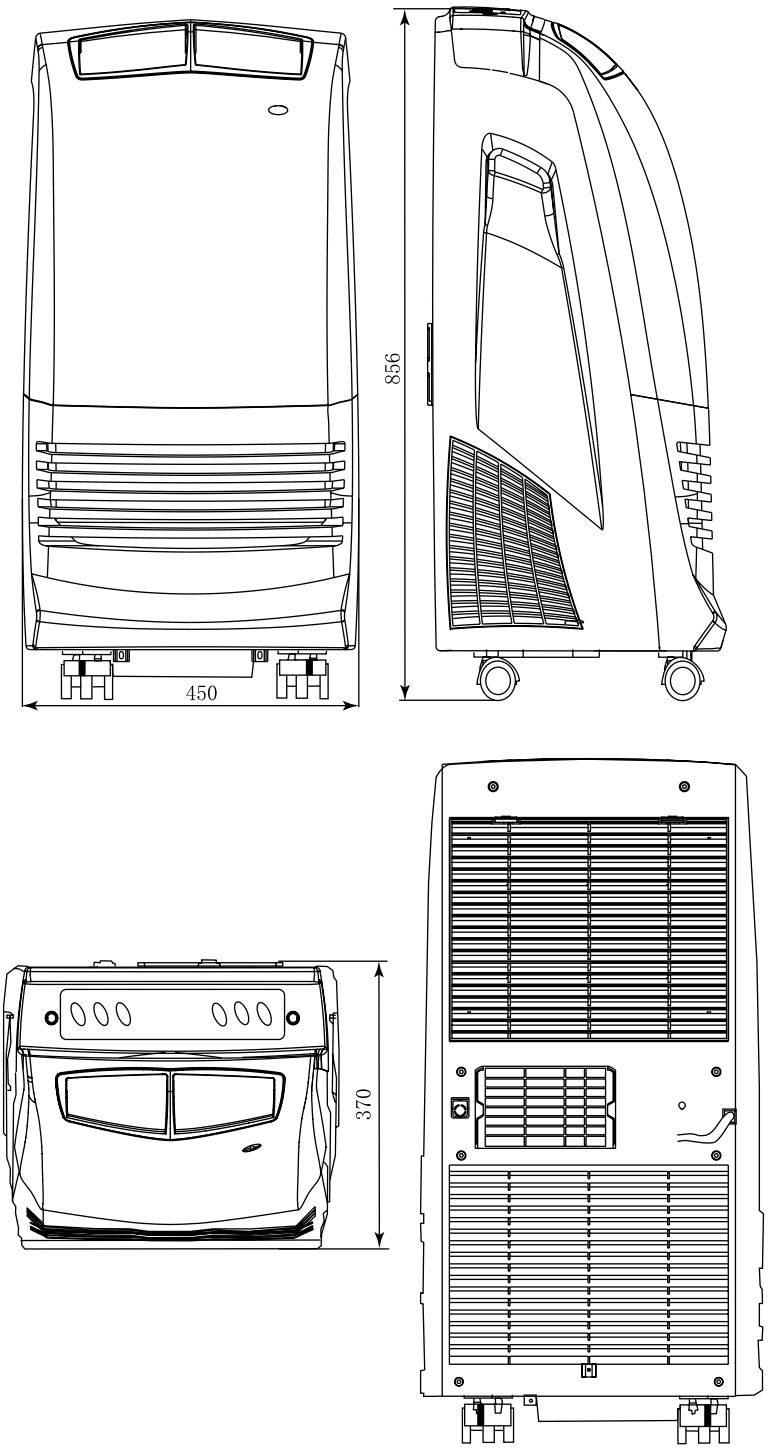
Suitable for ：KY-32Na/D



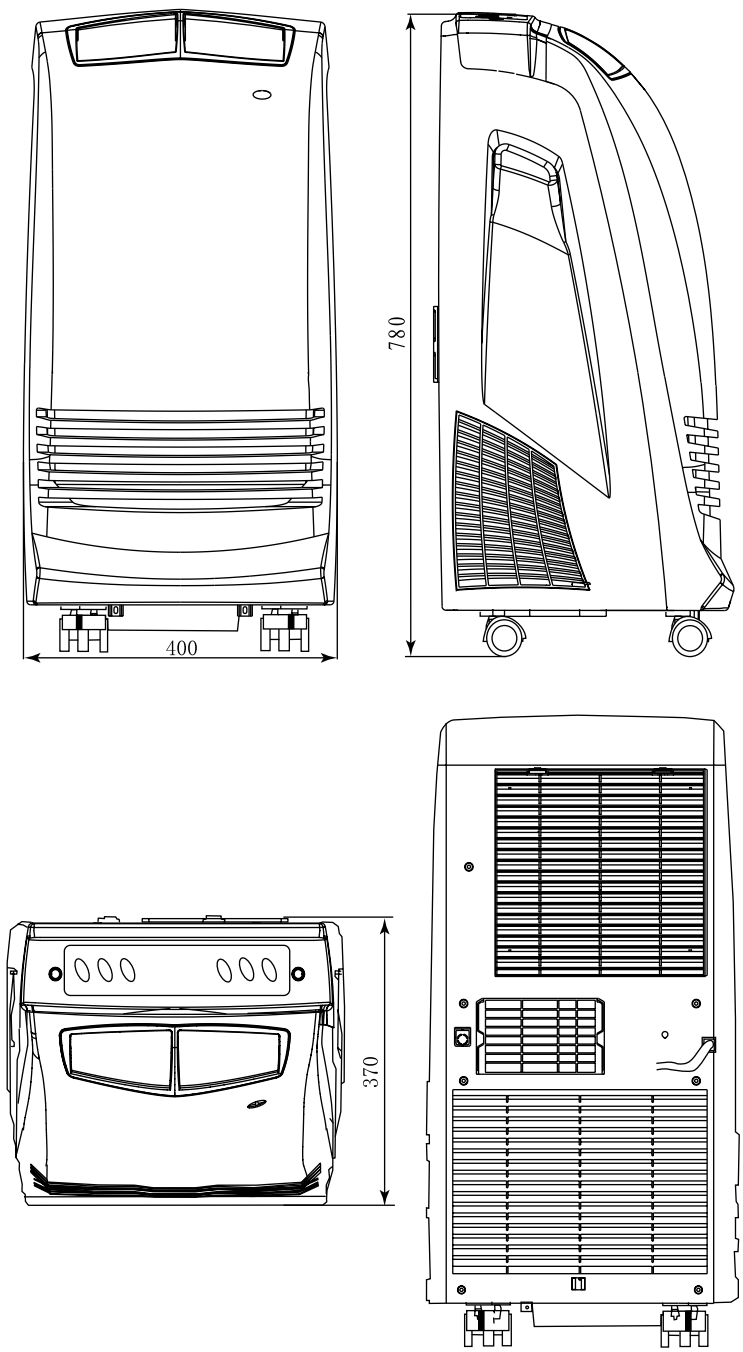
Suitable for £ºKY-25Na/D



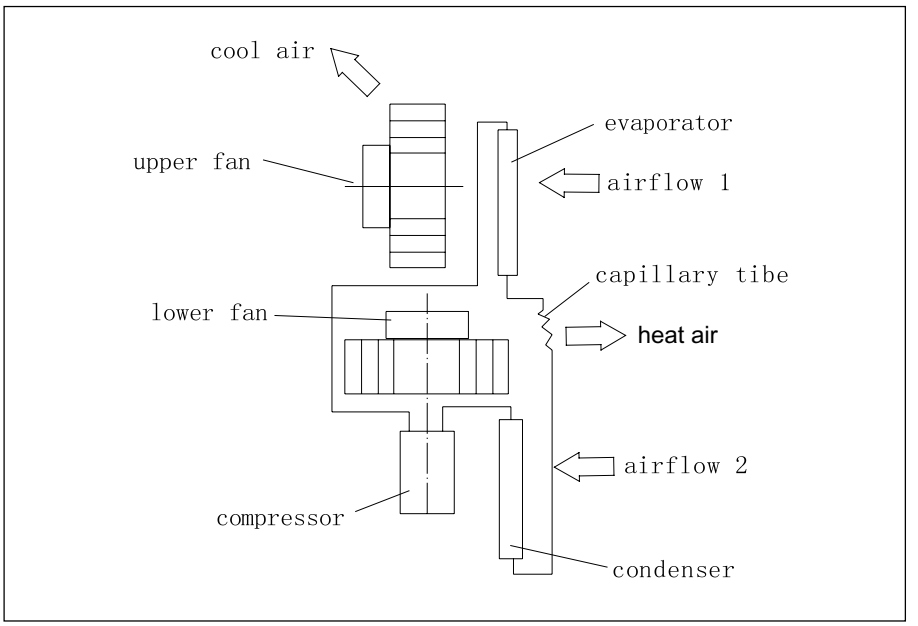
Suitable for : KY-25Na/D



Suitable for : KY-25U/C-E  KYD-25U/C-E



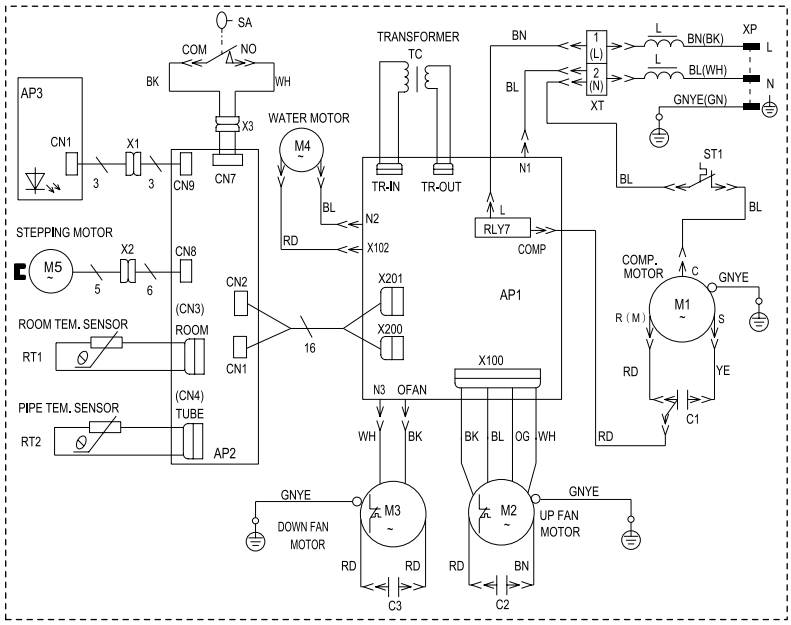
## 5 System principle diagram



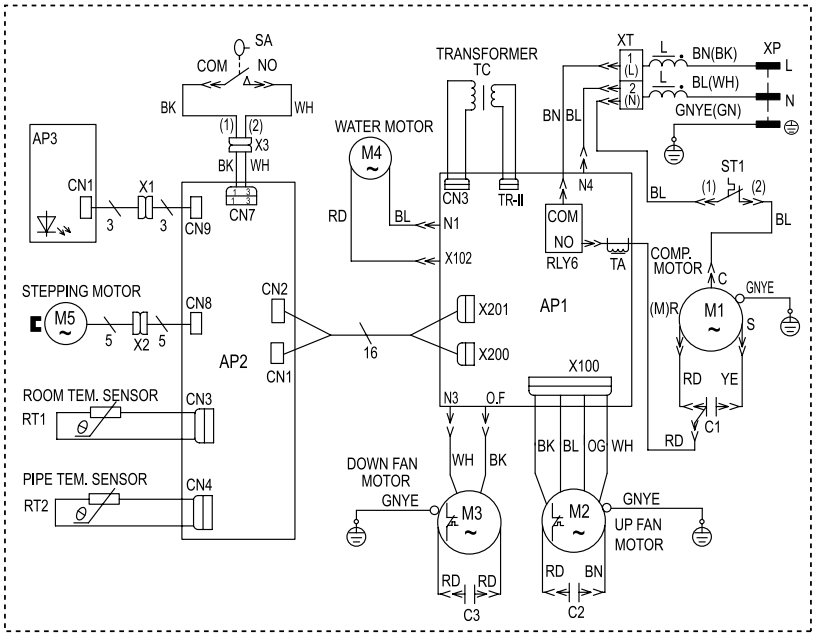

When the power is on, the unit starts to work. With the help of upper fan, the indoor air changes into cool air through the evaporator .The cool air biows from the front of the air conditioner and leading flowed by the vane to become mild and steady refrigeran gas to reach the effect of refrigeration .With the help of lower fan ,the indoor air changes into heat air through the condensor.The heat air discharge from the air outlet in the rear of the air conditioner .

# 6 Circuit diagram

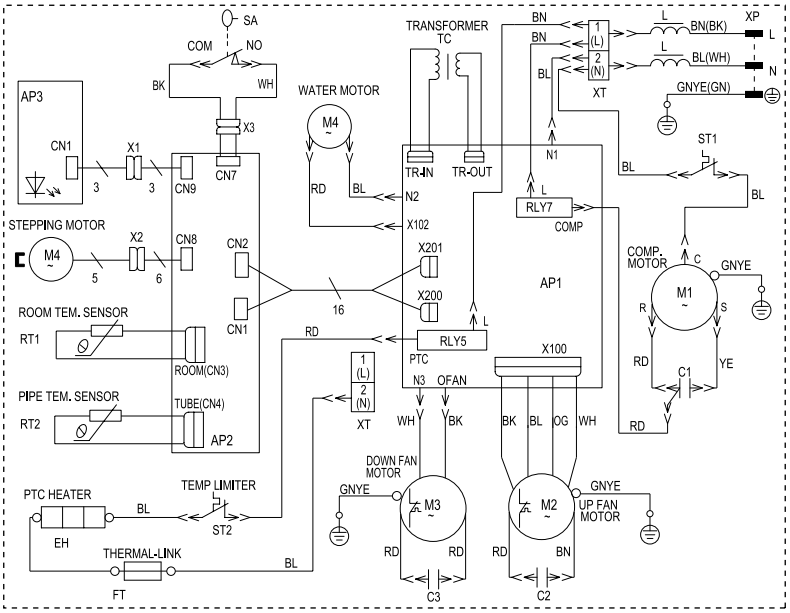
## KY-25Na/D



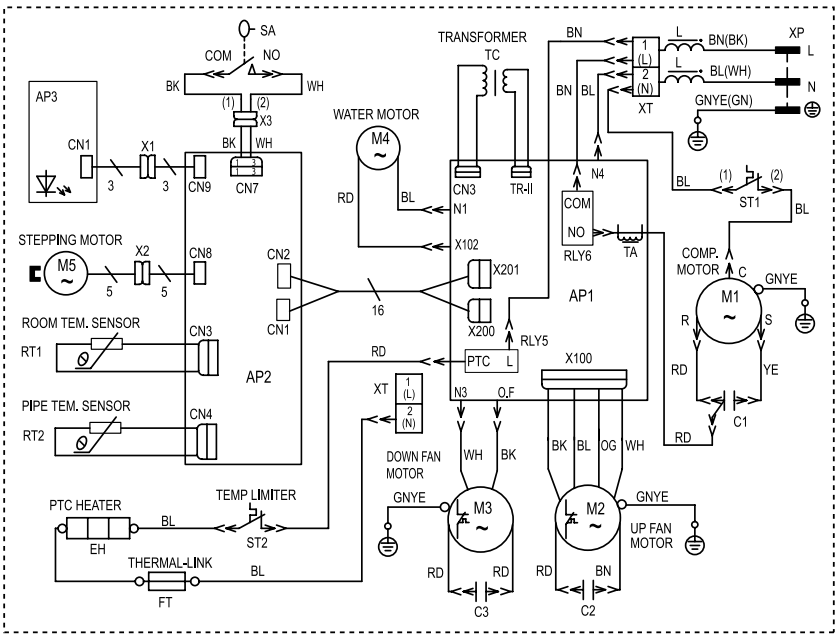

## KY-32Na/D



KYD-25Na/D

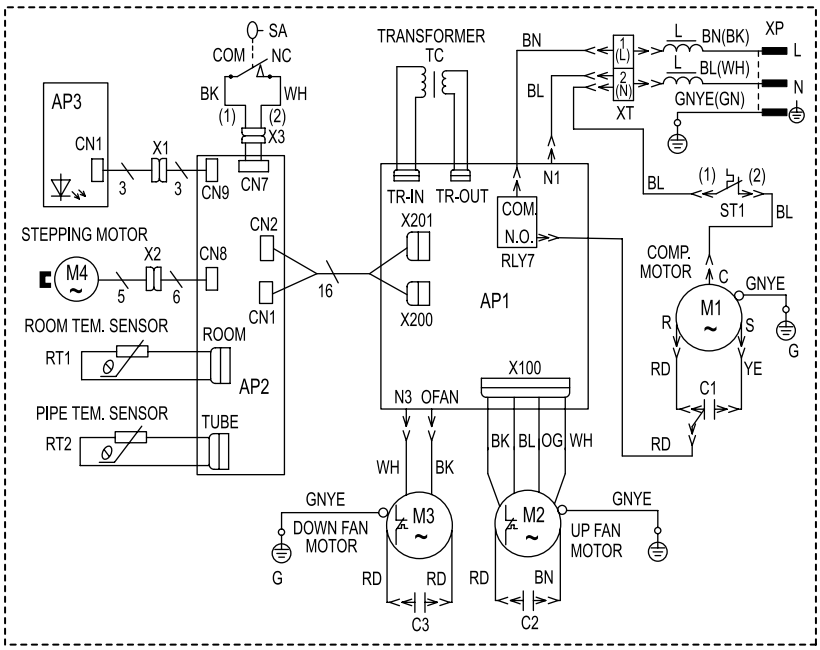



KYD-32Na/D

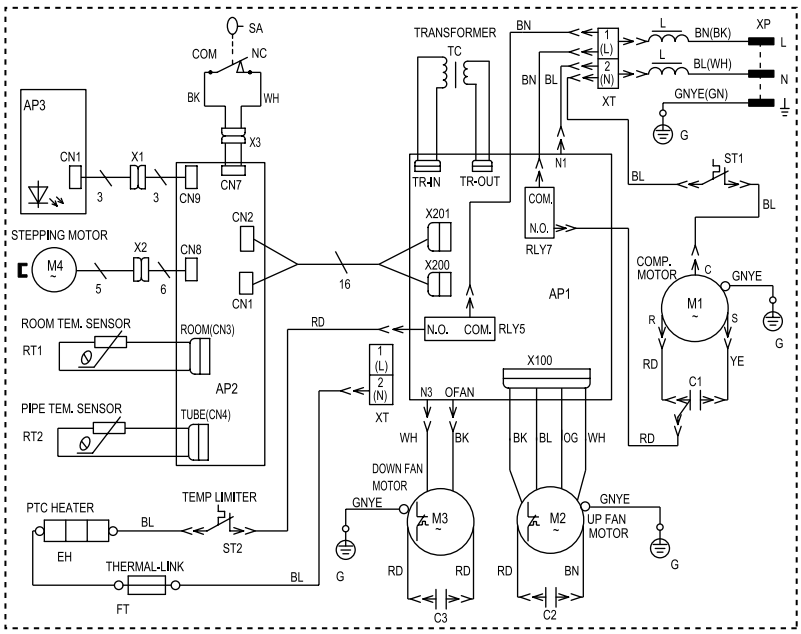



In case of any change in the Circuit Diagram shown above, please follow the drawing on cabinet.

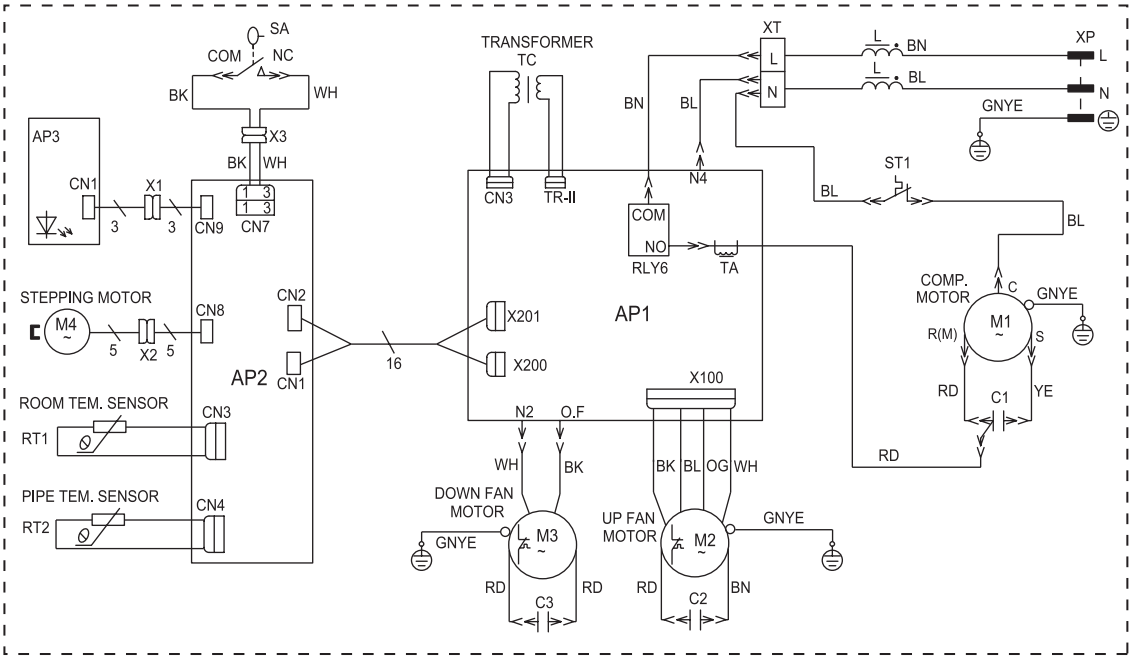
## KY-25N/C-E



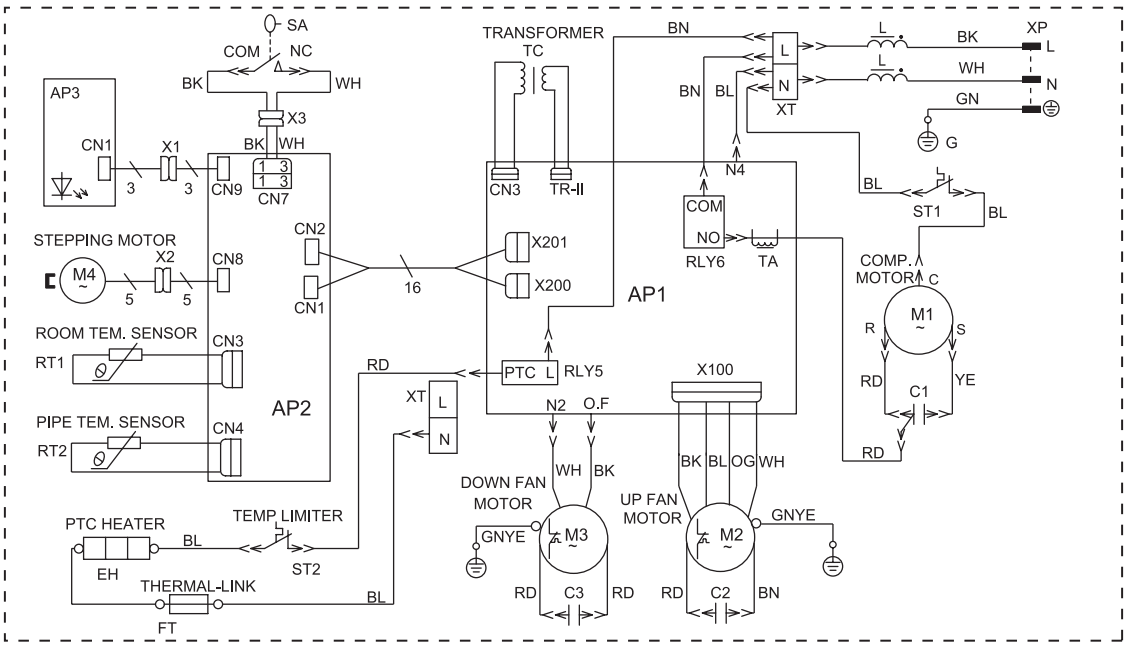

## KYD-25N/C-E



## KY-32/K101




## KYD-32/K101




In case of any change in the Circuit Diagram shown above, please follow the drawing on cabinet.

# 7 Controller Function Manual and Operating Instructions

## 7.1 Controller Function Manual

### 7.1.1 Temperature Parameters

- Indoor preset temperature (Tpreset)
- Indoor ambienttemperature (Tamb.)

### 7.1.2 Basic Functions

Once energized, the compressor should in no way be restarted unless after 3-minute time interval at least. For the first energization, the compressor will be started without 3-minute lag. Once started, the compressor will not be stopped within 6minutes with the change of room temperature.

#### 7.1.2.1 Cooling Mode

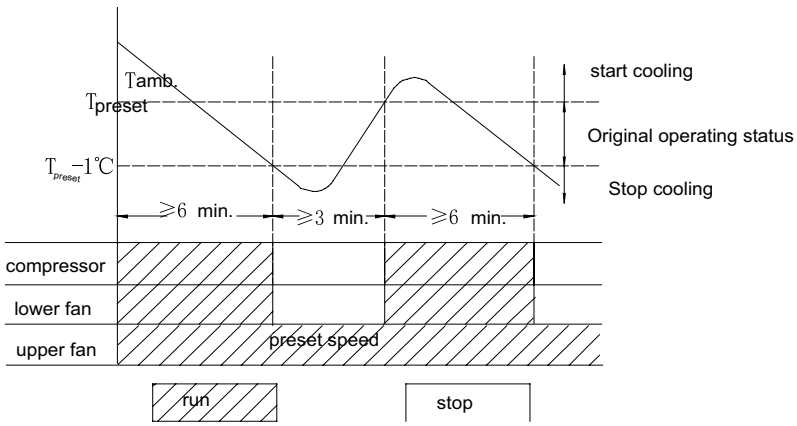
##### 7.1.2.1.1 Cooling Conditions and Process

When Tamb. ＞Tpreset , the unit will run under cooling mode, in which case the compressor and outdoor fan will start , and the indoor fan will run at preset speed

When $T_{amb.} \leqslant T_{preset}$ -1℃, the unit will be stopped, in which case the compressor will be stopped firstly, the outdoor fan will be stopped after 15 seconds and the indoor fan will run at preset speed.

When $T_{preset}$ -1℃<$T_{amb.}$< $T_{preset}$ +1℃, the unit will maintain its original operating status.

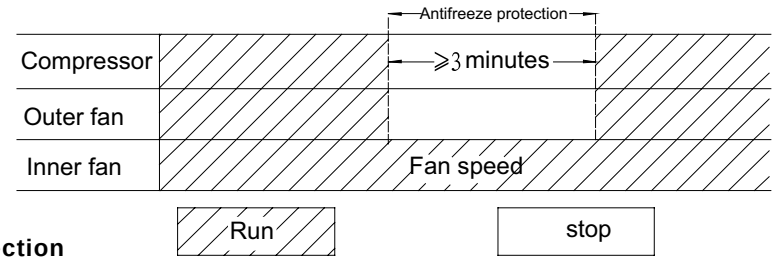
- Under this mode, the switchover valve will be de-energized and the temperature can be set from 16 to 30℃.




##### 7.1.2.1.2 Protection

- **Antifreeze Protection**

If it is detected that the system is under antifreeze protection, the compressor and lower fan will be stopped,and the upper fan will run at preset speed.When antifreeze protection is released and the compressor has stopped for 3 minutes, the unit will resume its original operating status.




- **Overcurrent Protection**

If it is detected that the system amperage exceeds the specified value , the main unit will enter into the status as such that only fan is running(1 horse series LED2 flashing) ,the LCD displays error code E1 which indicates the current of the compressor has exceeded the specified value and the compressor stops running .After 3 minutes,i t is detected the malfunction is avoided, the compressor will resume its starting .

◆ **Water Full Protection**

When water full, the high water -level switch will close, the buzzer will beep 8 times, the position shows temperature on LCD wil isplay error code E4(1 horse mobile series LED2 flashing), the unit will stop till water full be released.

7.1.2.1.3**LCD Display**

1 horse power series LCD display refrigeration sign,setting fan speed and setting temp. value ;1.5 horse power series LCD display dynamic snow falling and fan turning which follows the setting fan speed of the inner fan , as well as display the setting fan speed and temp..

7.1.2.2**Dehumidifying Mode**

The inner fan runs at low fan speed, the compressor and the outer fan run continuously, setting temperature do not display and can not adjust.

7.1.2.2.1 **Protection**

The same as in cooling mode, 1.5 horse power LCD will display dynamic water full at water full protection.

7.1.2.2.2 **LCD Display**

1 horse power series display dehumidifying sign and low speed of inner fan,1.5 horse series display dynamic water falling and slow fan turning.

7.1.2.3 **Fan Mode**

The upper fan runs at high,med and low fan speed, the setting temp. does not display and can not adjust.

7.1.2.3.1**LCD Display**

1 horse power series LCD display high,med and low sign according to the speed of inner fan ; 1.5 horse power series LCD display high,med and low sign according to the speed of inner fan, and the fan turning according to the speed of inner fan.

7.1.2.4 **Auto Mode**

Under this mode, the system will automatically select its run mode (cool, dehumidify, electric heat or fan)with the change of ambient temperature.

7.1.2.4.1**LCD Display**

It displays the corresponding run mode when auto mode running ,as well as the auto running sign (AUTO).

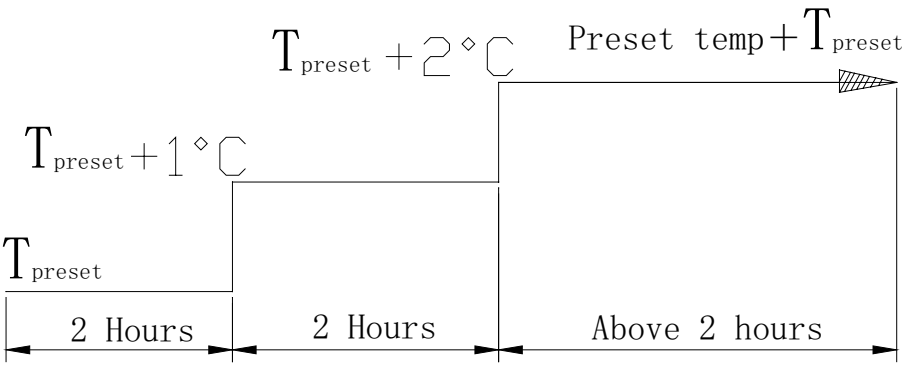
7.1.3 **Other Control**

7.1.3.1**Timer Function**

TIMER OFF function can be set when the unit is at on mode. Upon the time as set , the system will be stopped.TIMER ON function can be set when the unit is at off mode. Upon the time as set , the system will run under preset mode.The interval of time setting is 0.5h and can be set within 0.5-24h in cycle.

7.1.3.2**Sleep Function**

Under COOL mode, the preset temperature will automatically rise by 1℃ after presetiing sleeping and running 1 hour.Preset temperature will rise by 2℃ in total within 2 hours. After that, the unit will run at this preset temperature.At this time,LCD displays SLEEPNG sign (1.5 horse series stars design flashing).



t.

7．1．3．3 **Swing Motor Control**

The motor of 1 horse power series is controlled by swing key.Press the key,the swing motor starts to run ,and press the key again ,it stopps and the swing function is canceled.

When the system of 1.5 series starts to run ,the swing motor turn counter-clockwise at 85 degrees to open the air outlet.When the system stopps, the swing motor turn clockwise at the same angle to close the air outlet.

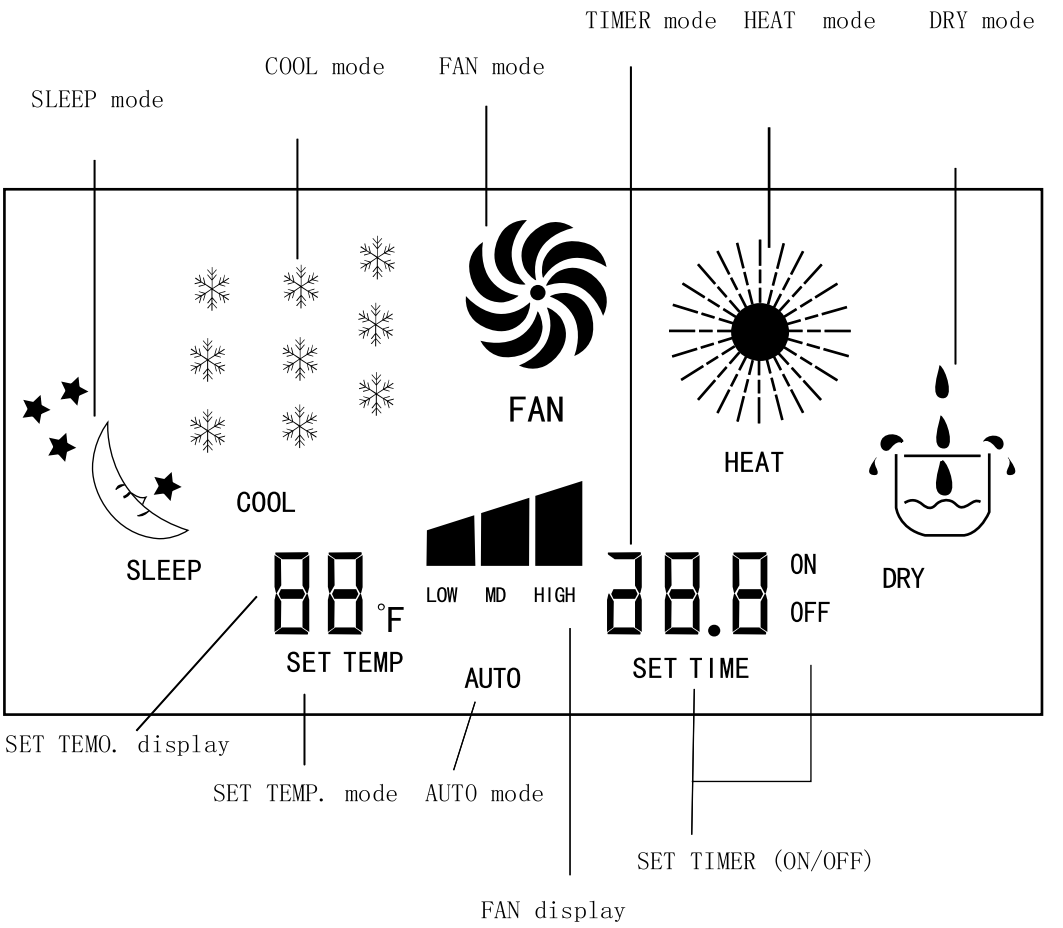
7．1．3．4 **Indicator**

RUN Indicator: Compressor running,it indicatse green.Syetem running it brighs.

PROTECTION indicator:During system protection it indicates red, during water full and overcurrent protection of compressor,it blinks.

## 7.2 Function Instruction for Displayer and Panel

### 7.2.1 Instruction for LCD displayer (Dynamic)



## 7. 2. 2 Function instruction for Keys on Control Panel

### ● Keys on Control Panel

**1. ON/OFF**

Turn ON or Turn OFF the unit (press “ON/OFF” to turn on the unit, another press to turn off the unit.)

**2.MODE**

Press this key in turn (AUTO,COOL, DRY,FAN and HEAT)to choose the RUN mode in need.
(Cooling only unit have not HEAT MODE.**)**

**3. FAN**

In FAN, COOL or HEAT mode,there are three fan speeds. Press the “FAN” in turn(LOW, MED and HIGT )to changethe fan speed**.**

**4. TEMP.**

In COOL , HEAT mode, control panel will display the setting temp. . Press TEMP.” ▲ “ /” ▲ “to increase /decrease the setting temp. .

**5. TIMER**

Press TIMER “ ▲ “/” ▲ “to set the time of TIMER. When unit runs, press TIMER to set the time turn off the unit, when unit doesn’t run(but power on), press TIMER to set the time turn on the unit. the time setting interval is 0.5hr, therange is 0.5-24hrs.

**6. SLEEP**

When unit runs ,press this key to set sleep mode,another press to quit sleep mode .Under AUTO mode this key doesn’t work.

● **Operating instruction (the 3,4 below is for choice)**

1. After power on, press “ON/OFF” to turn on the unit.
2. Press “MODE” to choose the run mode.

In “AUTO” mode,according to the room temp., the microcomputer will select COOL, DRY, HEAT or FAN automatically. In order to obtain comfortable effect.

In “COOL” mode, press “TEMP.” to set the temp., then press “FAN” to adjust the fan speed.

( Caution: In “COOL” mode, in order to obtain good cooling effect,please pay more attention to:

1). If there is the direct sunlight near the window, please use the curtain to shield.

2). Do not use other heat sources in the air conditioner room.)

In “HEAT” mode, press “TEMP.” to set the temp., then press “FAN” to adjust the fan speed.(only cooling and heating unit has this function.)

In “DRY” mode, the upper fan motor is running at the low speed, it is not adjustable.

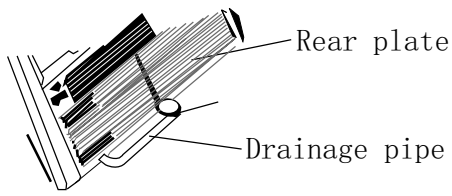
( Caution: In “DRY” mode, don’t install the exhaust duct.)

In “FAN” mode, press “FAN” to select the fan speed.

3. Press “SLEEP” to set the sleep mode.
4. Press “TIMER” to set the time to turn on or turn off the unit.

**Caution**: Under COOL and DRY mode ,the clotted water gets together in the tank. After water full, the buzzer will beep 8 times, the position shows temp. on LCD will display errocode “E4”, the unit will stop till the water full be released In 3 min. later .Take off the plug of the pipe and the fixed clip of the drainage pipe and pour out the water in tank. When water is drained out completely, re-insert the plug back into the pipe to avoid dew water leakage and fix drainage pipe on the fixed clip.

Refer to the right Figure

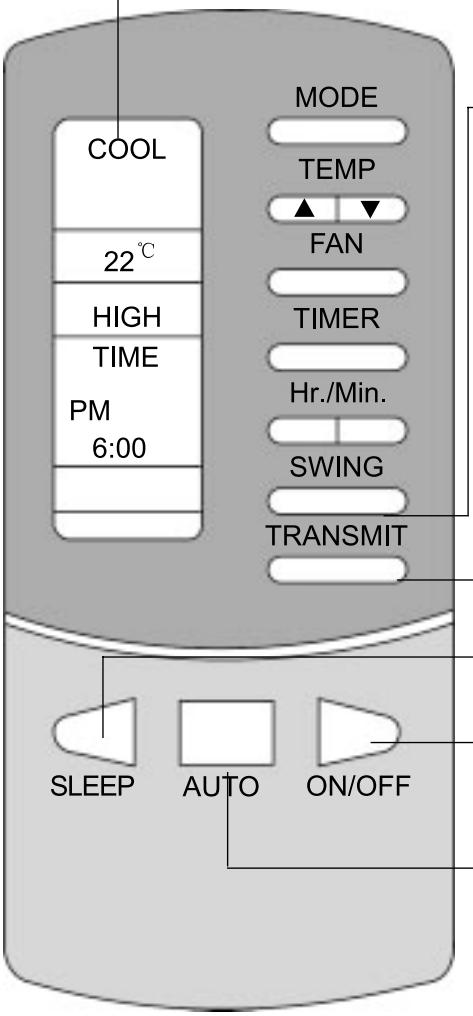


## 7.3 Description and Functiom of the Remote Controller Keys

**Notice:**

- Please point the controller transmission section to the signal receptor on the unit panel.
- The information displayed can be transmitted at the mode AUTO, ON/OFF, SLEEP,SWING and TRANSMIT.

The other buttons can only change the messages which should be transmitted in 15 seconds, otherwise the messages will be cancelled.




LCD display displays t he information selected by each key

SWING key
Press the key to ener fan mode press it again to exit fan mode .

SEND key
Press this key to send the dictate in diaplay window

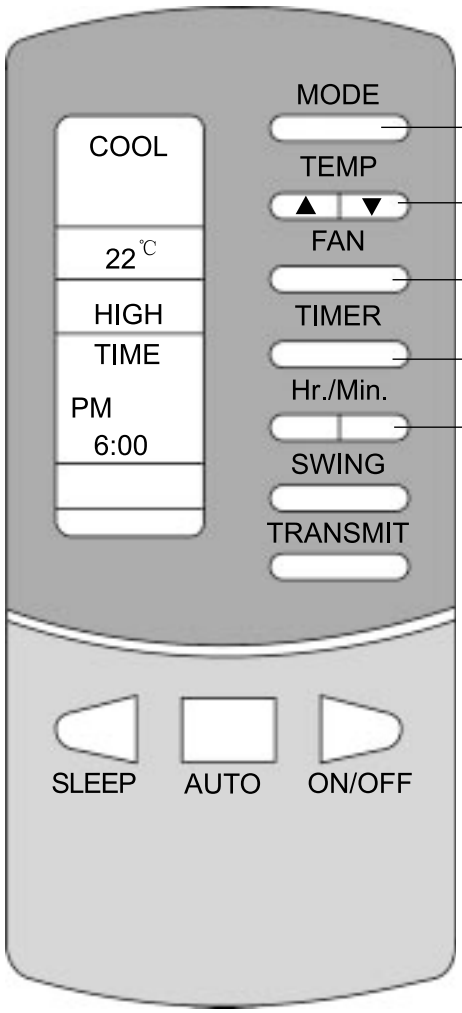
SLEEP key
Press this key to enter sleep mode, Hr key can adjust timer off (1hour to 7hour s)and press sleep key again to exit sleep mode.

ON/OFF key
Press this key to start to run .
Press it again to stop.

AUTO key
Press the key to enter auto mode, press it again to return to last mode

Notice:

If the power fails when the unit is operating, all of the operation will stop. Please press the “TRANSMIT” button again to restart. Pull out the plug first and reset it then press the “TRANSMIT” button on the wireless remote controller if operation is incorrect or moving is incorrect because of thunder.




MODE button
Press the button in turn the display shows the operation modes in order of COOL/FAN

TEMP button
Press▼once, the room set temperature decrease 1℃ and press ▲ once it increases 1℃ .
The room temp . can be set in the range of 16℃～30℃ (the limit terperature 16℃ and 30℃)

FAN button
Three modes can be chosen: HIGH/M (mid)/LOW fan speed .

TIMER button
TIMER and TIME can be chosen : TIMER is for the time setting TIME is for the present time showing.

Hr./Min. button
On TIME. press Hr. once the hours increase 1 and Press Min. once the minutes increase 1.
On TIMER, Press Hr. once the hours increase 0.5 butween 0～7.Press Hr. once , the hours increas 1, in the rest .
On SLEEP , press Hr. once the time interval increase 1 hour , which circles in the range of 1～7 hours.

## 7.4 Operation Instruction

### ① Common process

Once powered on ,press ON/OFF key,the unit starts to run.
Press MODE key to select running mode
Press SWING key ,guide louver swings automatically,press the key again ,it stopps swinging.
Press FAN key to set the fan speed.
Press TEMP key to preset temperature.
Press SEND key tosend the sttting signal to the AC

### ② Optional process

Press SLEEP key to set sleep mode.
Press TIMER key and then Hr./Min. key to preset time.

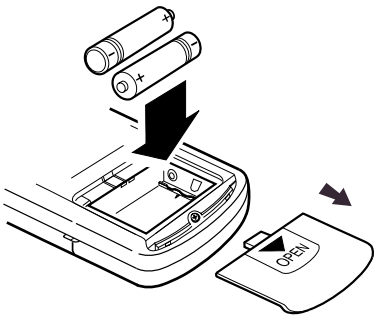
Pay ateention: During Auto mode, the AC adjusts the suitable running mode automatically according to the indoor temp.to make the ambient comfortable

## 7.5 Replacement of Remote Controller Battery

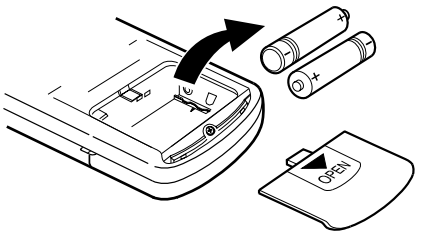
Two pieces of 7# alkali dry batteries are used in the remote controller.

1.Slide the battery cover of remote controller downward. Remove the old batter ies and replace with two pieces of new batteries (Take care that the polarity shall be correct)

2.Close the battery cover of remote controller.




Note:
Do not use new batteries together with old batteries, or use different types of batteries together.
To avoid leakage of liquid and damage to the remote controller, please take out the batteries if you will not use the remote controller in several weeks.
Keep the remote controller at least 1 meter away from television set or sound equipment.



# 8 Disassembly Procedures

## 8.1 Disassembly Procedures of 25 Unit

**Operating Procedures / Photos** KY-25Na/D KYD-25Na/D

### 8.1.1 Disassemble the controller cover plate

After taking off two screw covers ,screw off the 4 screws which fixed the controller cover plate, then lift the controller cover plate upward and take it out.
(Note: because the control board was fixed on the cover plate so that the cover plate can not take off)

(refer to Figure 8-1)

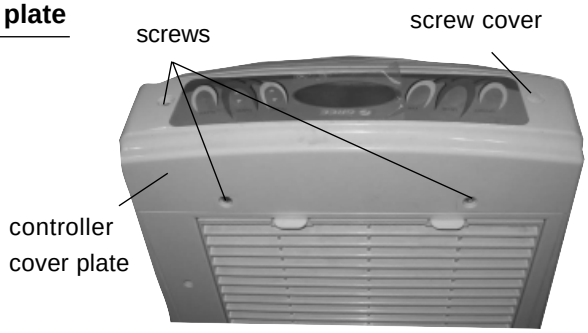



Figure 8-1

### 8.1.2 Disassemble Front Panel

Screw off the screws fixing the front panel (each 2 pieces for top and bottom) ,and then take of f the panel.

(refer to Figure 8-2)

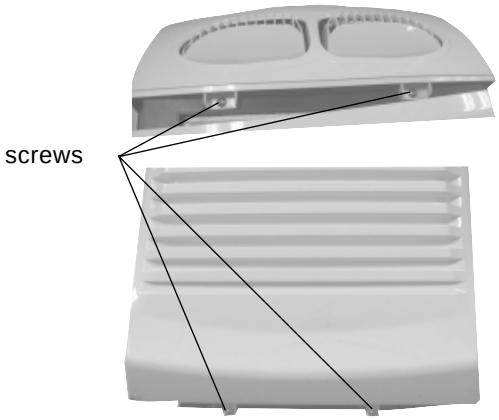



Figure 8-2

### 8.1.3 Disassemble evaporator air inlet grille

Press the clasp with strength downwards till it is loosen , and then take off the evaporator air inlet grille.

(refer to Figure 8-3)

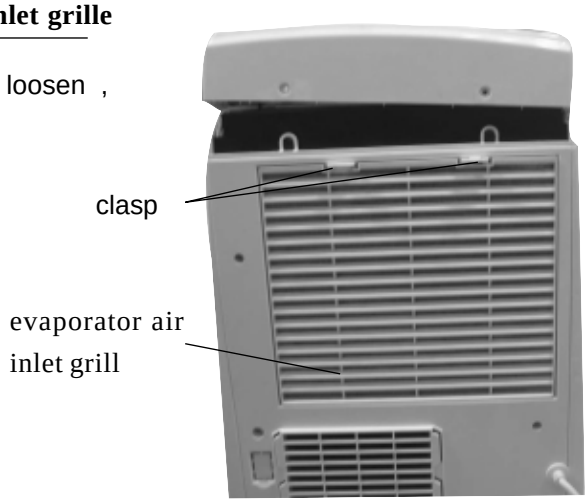



Figure 8-3

## Operating Procedures / Photos

### 8.1.4 Disassemble the rear plate

Screw off the screws fixing the rear plate and then take it off.

( refer to Figure 8-4)

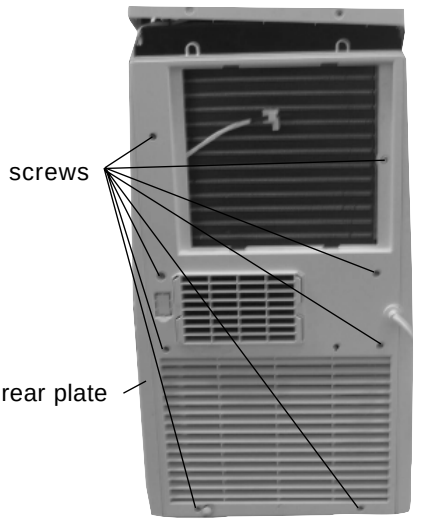



Figure 8-4

### 8.1.5 Disassemble Left, Right Side Plate

Screw off the screws fixing the sideplates (each 3 pieces for left and right sideplate), then take off the side plates.

( refer to Figure 8-5)

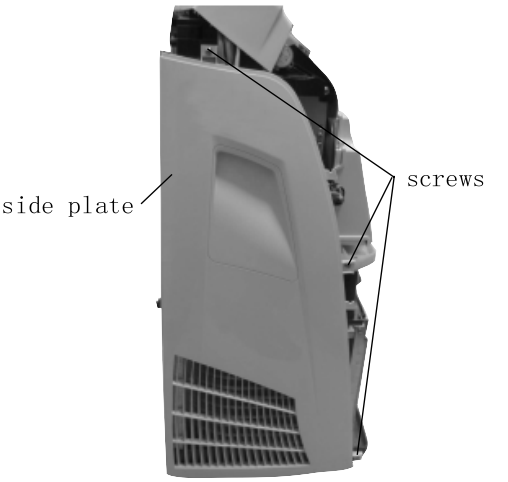



Figure 8-5

### 8.1.6 Disassemble the Electric Box Cover

Screw off the 3 screws fixing the electric box cover, then take off the electric box cover .

( refer to Figure 8-6)

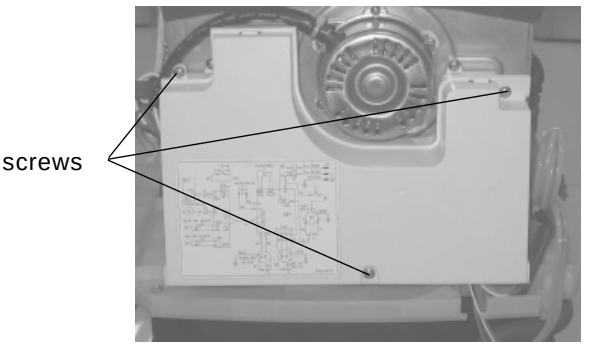



Figure 8-6

## Operating Procedures / Photos

### 8.1.7 Disassemble the electric box

Discharge the wire clamp,unscrew the earth screws ,then take out every wire terminals, and screw off the3 screws fixing the electric box,, boost up to take off the electric box.

( refer to Figure 8-7,8-8)

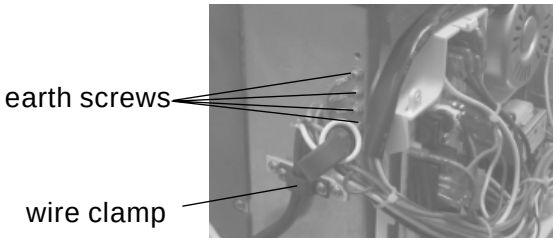



Figure 8-7

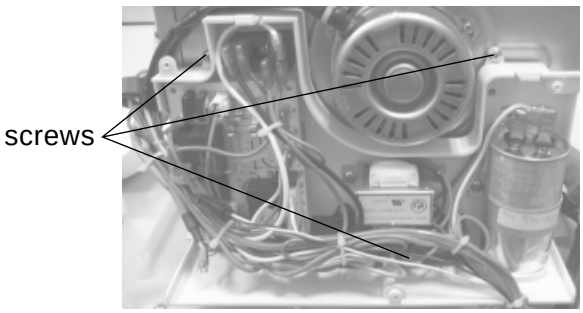



Figure 8-7

### 8.1.8 Disassemble the controll base board

Unscrew the screws fixing the base board(each 1 pc for left and right),and then take off the whole control.

( refer to Figure 8-9)

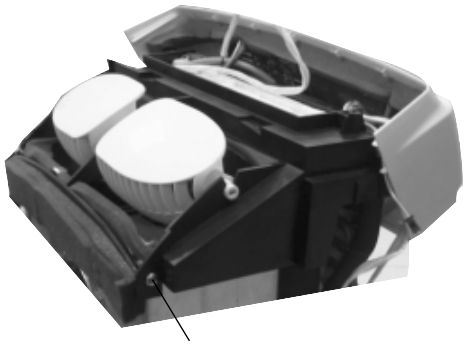



Figure 8-9

### 8.1.9 Disassemble the upper centrifugal fan sub-assy

Unscrew the fixed screws,unrip the damping sponge and lift upwards to take it off .

( refer to Figure 8-10,8-11)

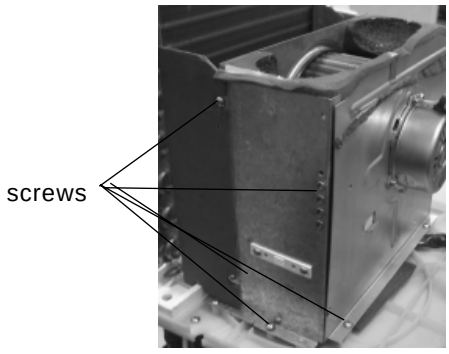



Figure 8-10

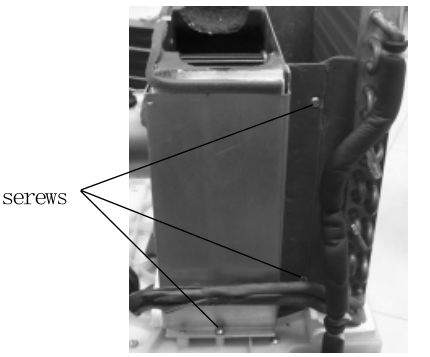



Figure 8-11

### 8.1.10 Disassemble Lower Centrifugal Fan Sub-assy

Unscrew the screws fixing the 4 support bars of the clapboard, uplift the evaporator slightly,then pull out to take off the lower water tray and centrifugal fan sub-assy. (pay attention to the capillary tube)

( refer to Figure 8-12)

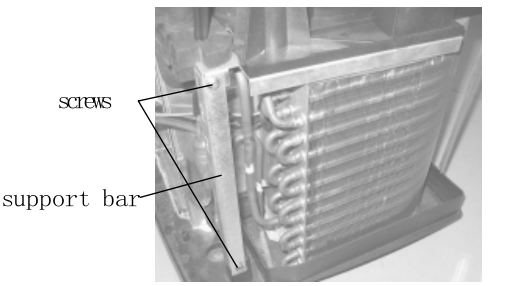



Figure 8-12

### 8.1.11 Disassemble the Compressor

Unscrew the screws of the bottom clapboard and take off the lower and bottomm clapboard ,then loose the three nuts with washers at the foot of the compreesor (caution: only after discharging all freon). Unsolder the soldering points at the suction and the discharge pipes of the compressor, carefully remove the pipes and take out the compressor.

( refer to Figure 8-13,8-14)

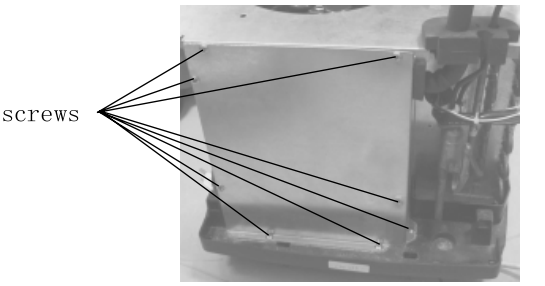



Figure 8-13

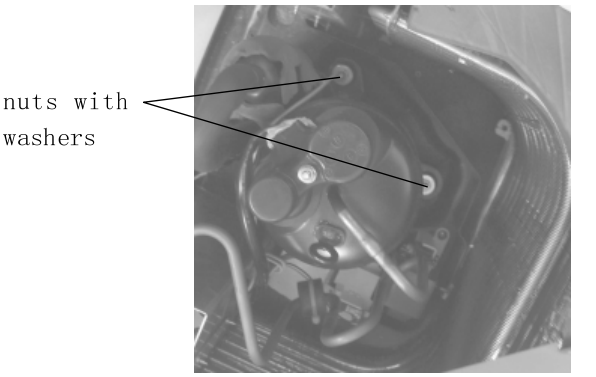



Figure 8-14

## 8. 2 Disassembly Procedures of 32 Unit

### Operating Procedures / Photos KY-32Na/D KYD-32Na/D

#### 8. 2. 1 Disassemble the controller cover plate

After taking off two screw covers ,screw off the 2 screws fixing the controller cover plate, then lift the controller cover plate upward and take it out.
(Note: because the control board was fixed on the cover plate so that the cover plate can not take off)

(refer to Figure 8-15)

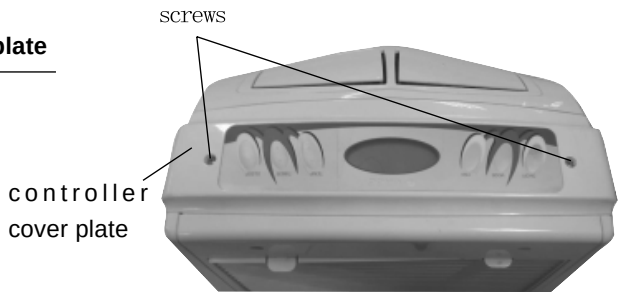



Figure 8-15

#### 8. 2. 2 Disassemble the upper Panel

Screw off the 2 screws fixing the upper panel ,press the two sides inby and the clasp will fall ,and then take of f the upper panel.

(refer to Figure 8-16)


Figure 8-16

#### 8. 2. 3 Disassemble Lower Panel

Screw off the screws fixing the lower panel (each 2 pieces for top and bottom) ,and then take of f the panel.

(refer to Figure 8-17)

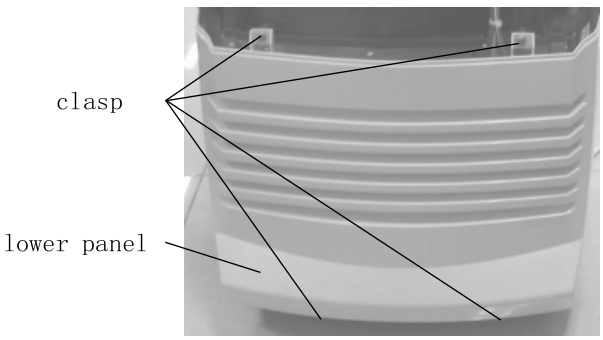



Figure 8-16

## Operating Procedures / Photos

### 8.2.4 Disassemble evaporator air inlet grille

Press the clasp with strength downwards till it is loosen ,and then take off the evaporator air inlet grille.

(refer to Figure 8-18)

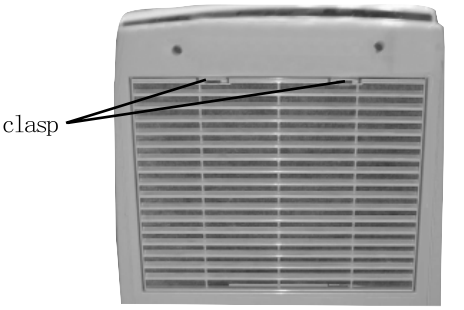



Figure 8-18

### 8.2.5 Disassemble upper connecting cover plate

Unscrew the screws fixing the rear plate,take off the rear plate.

(refer to Figure 8-18)

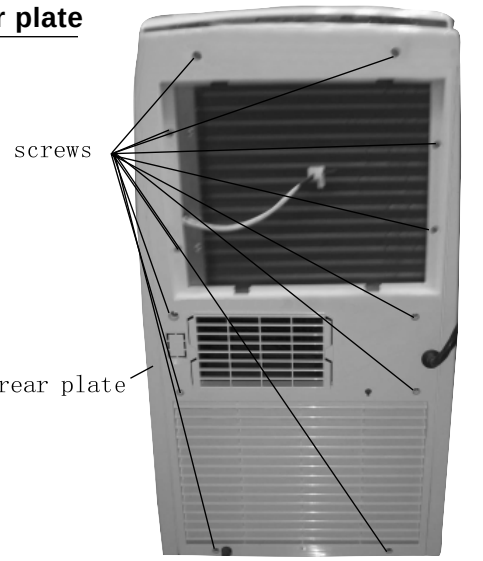



Figure 8-19

### 8.2.6 Disassemble Left, Right Side Plate

Screw off the screws fixing the sideplates (each 3 pieces for left and right sideplate), then take off the side plates.

(refer to Figure 8-20, 8-21)

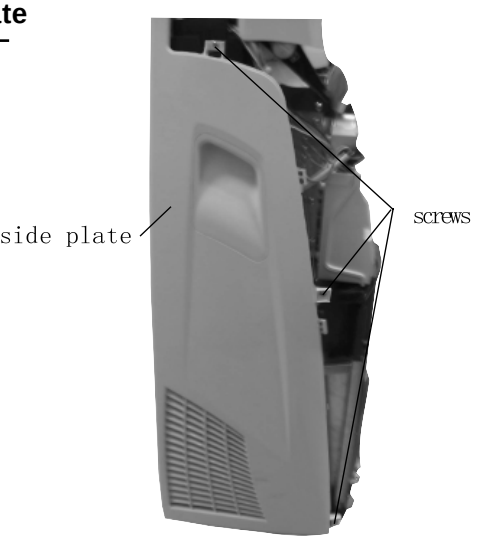



Figure 8-20

## Operating Procedures / Photos

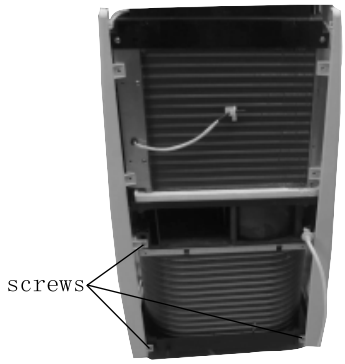



Figure 8-21

### 8. 2. 7 Disassemble the Electric Box Cover

Screw off the 3 screws fixing the electric box cover, then take off the electric box cover .

(refer to Figure 8-22)

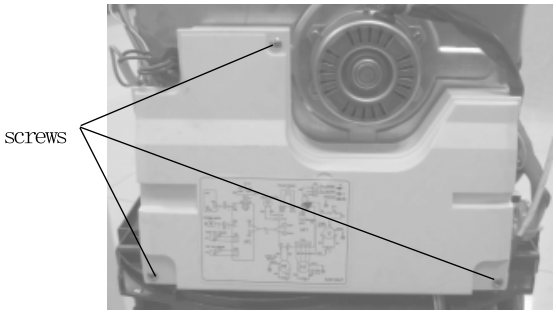



Figure 8-22

### 8. 2. 8 Disassemble the electric box

Discharge the wire clamp,unscrew the earth screws , then take out every wire terminals, and screw off the3 screws fixing the electric box,,boost up take off the electric box.

(refer to Figure 8-23, 8-24)

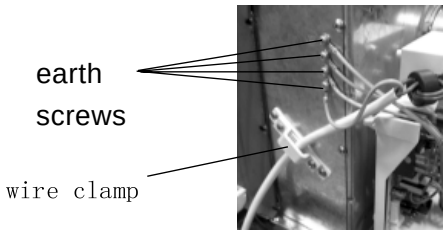



Figure 8-23

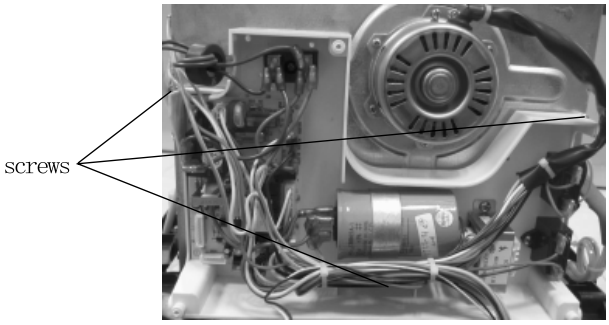



Figure 8-24

### 8. 2. 9 Disassemble the controll base board

Unscrew the screws fixing the base board righ,and then take off the whole control.

(refer to Figure 8-25)


Figure 8-25

### 8. 2. 10 Disassemble the upper centrifugal fan sub-assy

Unscrew the fixed screws,unrip the damping sponge and lift upwards to take it off .

(refer to Figure 8-26.8-27)

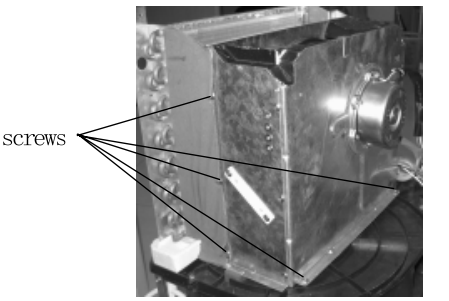



Figure 8-26

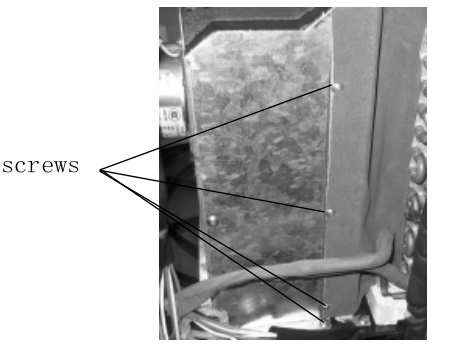



Figure 8-27

### 8. 2. 11 Disassemble Lower Centrifugal Fan Sub-assy

Unscrew the screws fixing the 5 support bars of the clapboard, uplift the evaporator slightly,then pull out to take off the lower water tray and centrifugal fan sub-assy.(pay attention to the capillary tube)

(refer to Figure 8-28.8-29)

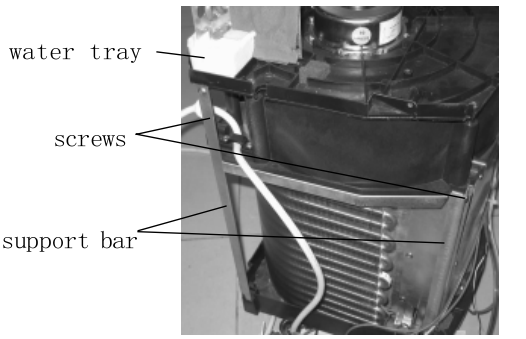



Figure 8-28

## Operating Procedures / Photos

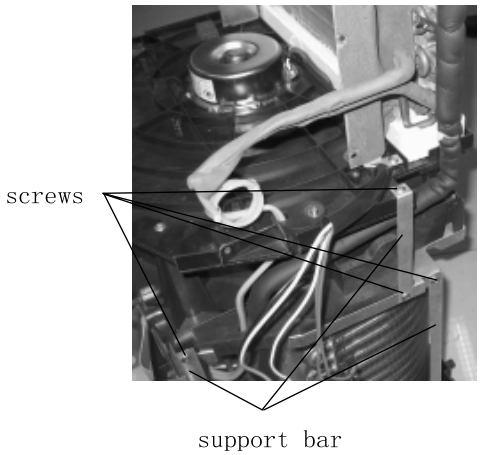



Figure 8-29

### 8. 2. 12 Disassemble the Compressor

Unscrew the screws of the bottom clapboard and take off the lower and bottomm clapboard ,then loose the three nuts with washers at the foot of the compreesor (caution: only after discharging all freon). Unsolder the soldering points at the suction and the discharge pipes of the compressor, carefully remove the pipes and take out the compressor.

(refer to Figure 8-30.8-31)

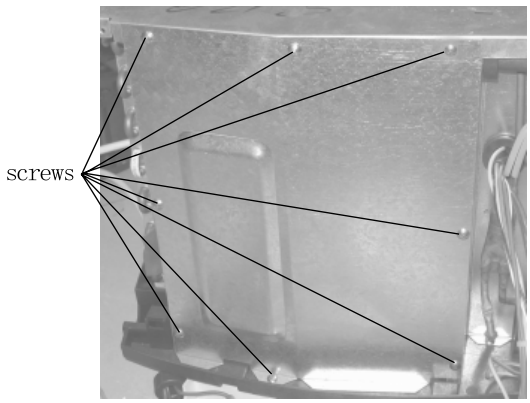



Figure 8-30

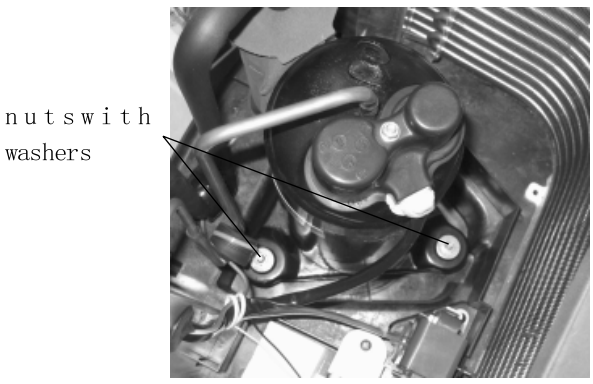



Figure 8-31

## 8.3 Disassembly Procedures of 25 Unit

### Operating Procedures / Photos KY-25N/C-E KYD-25N/C-E

#### 8.3.1 Disassemble the controller cover plate

After taking off two screw covers ,screw off the 4 screws fixing the controller cover plate, then lift the controller cover plate upward and take it out.
(Note: because the control board was fixed on the cover plate so that the cover plate can not take off)

(refer to Figure 8-32)

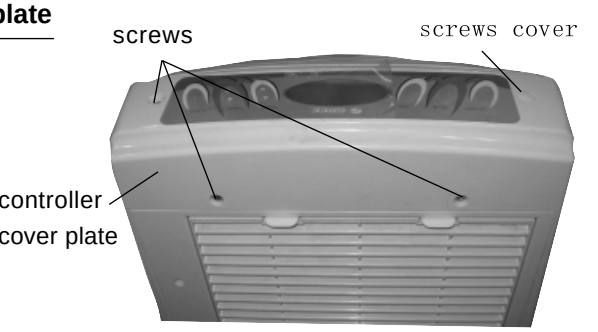



Figure 8-32

#### 8.3.2 Disassemble Front Panel

Screw off the screws fixing the front panel (each 2 pieces for top and bottom) ,and then take of f the panel.

(refer to Figure 8-33)

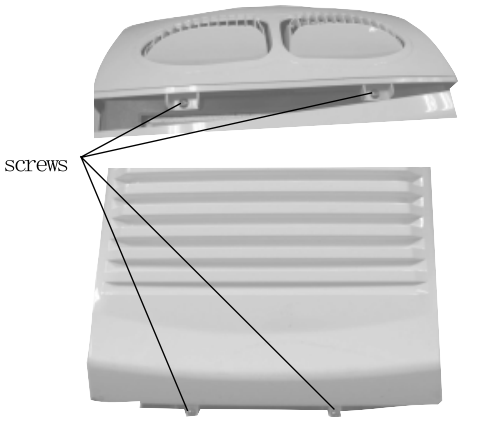



Figure 8-33

#### 8.3.3 Disassemble evaporator air inlet grille

Press the clasp with strength downwards till it is loosen ,and then take off the evaporator air inlet grille.

(refer to Figure 8-34)

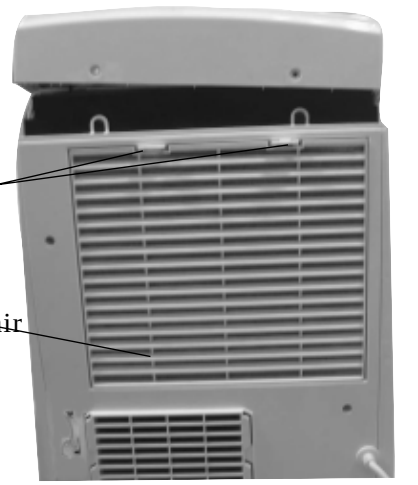



Figure 8-34

## Operating Procedures / Photos

### 8.3.4 Disassemble upper connecting cover plate

Unscrew the screws fixing the rear plate,take off the rear plate.

(refer to Figure 8-35)

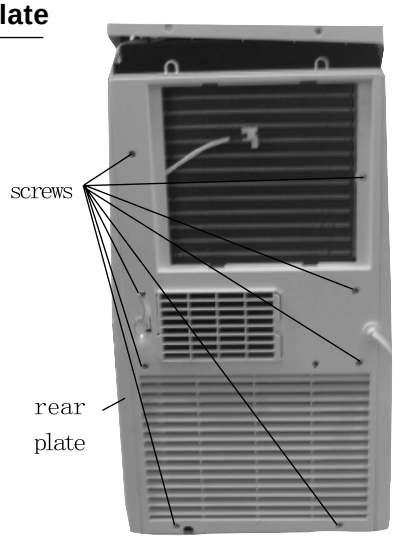



Figure 8-35

### 8.3.5 Disassemble Left, Right Side Plate

Screw off the screws fixing the sideplates
(each 3 pieces for left and right sideplate),
then take off the side plates.

(refer to Figure 8-36)

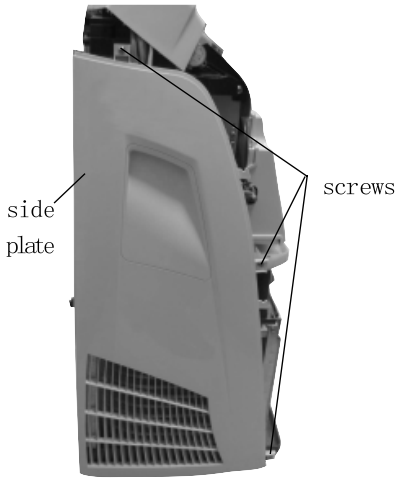



Figure 8-36

### 8.3.6 Disassemble the Electric Box Cover

Screw off the 3 screws fixing the electric box cover,
then take off the electric box cover .

(refer to Figure 8-37)

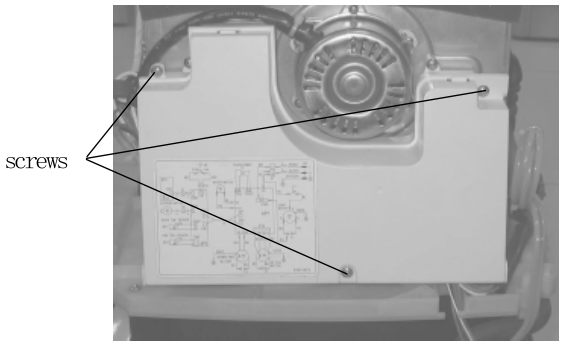



Figure 8-37

## Operating Procedures / Photos

### 8.3.7 Disassemble the electric box

Discharge the wire clamp,unscrew the earth screws , then take out every wire terminals, and screw off the3 screws fixing the electric box,,boost up take off the electric box.

(refer to Figure 8-38, 8-39)

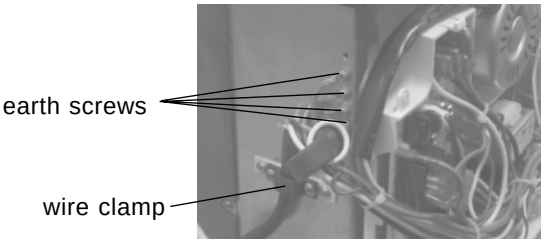



Figure 8-38

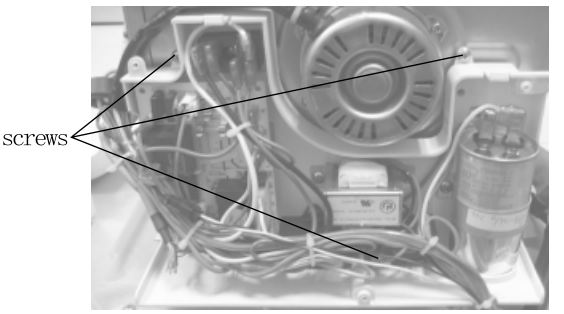



Figure 8-39

### 8.3.8 Disassemble the controll base board

Unscrew the screws fixing the base board(each 1 pc for left and right),and then take off the whole control.

(refer to Figure 8-40)

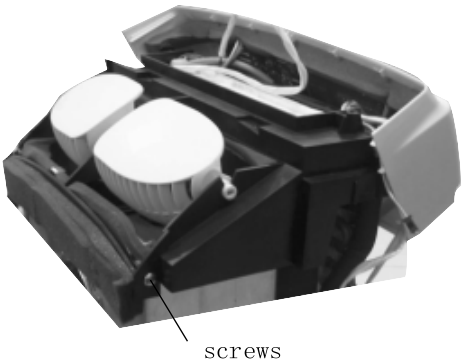



Figure 8-40

### 8.3.9 Disassemble the upper centrifugal fan sub-assy

Unscrew the fixed screws,unrip the damping sponge and lift upwards to take it off .

(refer to Figure 8-41, 8-42)

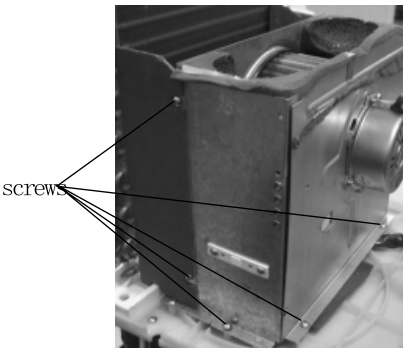



Figure 8-41

## Operating Procedures / Photos

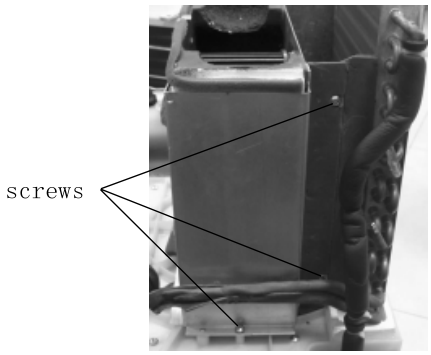



Figure 8-42

### 8.3.10 Disassemble Lower Centrifugal Fan Sub-assy

Unscrew the screws fixing the 2 longer support bars of the clapboard, uplift the evaporator slightly, then pull out to take off the lower water tray and centrifugal fan sub-assy.(pay attention to the capillary tube).Unscrew the rest support bar and two screws fixing the lower clapboard to take it off.

(refer to Figure 8-44, 8-44)

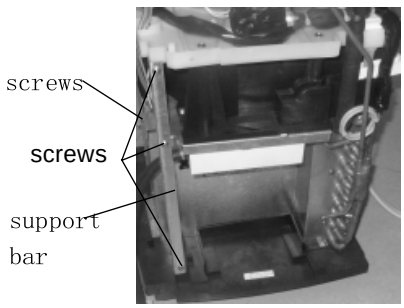



Figure 8-43

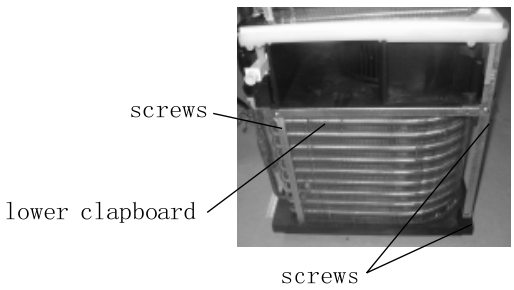



Figure 8-44

### 8.3.11 Disassemble condenser sink sub-assy

Unscrew the two screws on the top and side,take off the condensersink sub-assy.Don't sever the connecting pipe.

(refer to Figure 8-45)

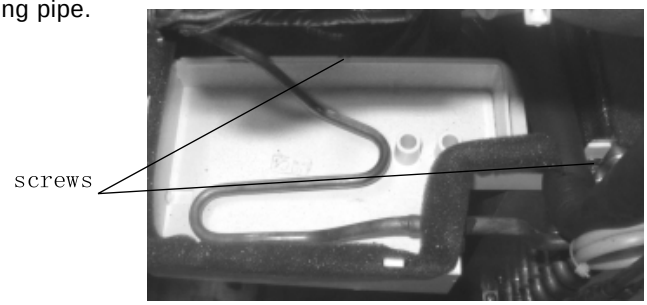



Figure 8-45

### 8.3.12 Disassemble the Compressor

Unscrew the screws of the bottom clapboard and take off the lower and bottomm clapboard ,then loose the three nuts with washers at the foot of the compreesor (caution: only after discharging all freon). Unsolder the soldering points at the suction and the discharge pipes of the compressor, carefully remove the pipes and take out the compressor.

(refer to Figure 8-46,8-47,8-48)

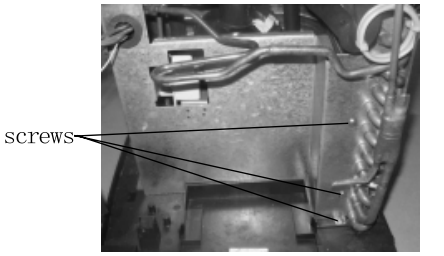



Figure 8-46

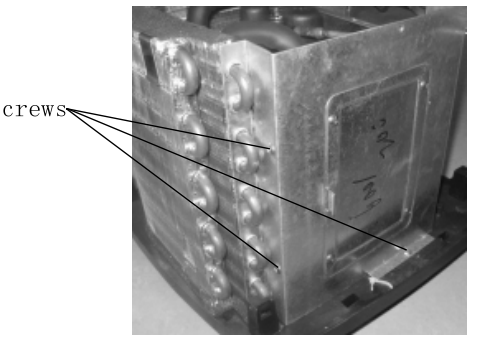



Figure 8-47

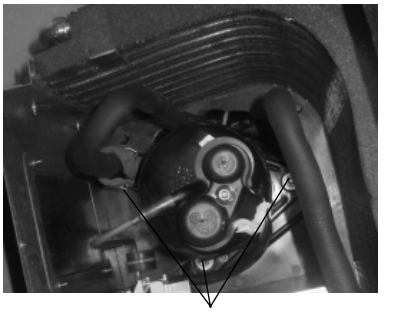



Figure 8-48

## 8.4 Disassembly Procedures of 32 Unit

### Operating Procedures / Photos KY-32/K101 KYD-32/K101

#### 8.4.1 Disassemble the controller cover plate

After taking off two screw covers ,screw off the 2 screws ixing the controller cover plate, then lift the controller cover plate upward and take it out.
(Note: because the control board was fixed on the cover plate so that the cover plate can not take off)

(refer to Figure 8-49)

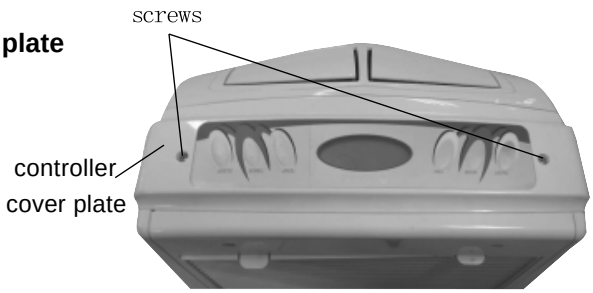



Figure 8-49

#### 8.4.2 Disassemble the panel sub-assy

Screw off the 2 screws fixing the upper panel ,press the two sides inby and the clasp will fall ,and then take of f the upper panel.

(refer to Figure 8-50)


Figure 8-50

Screw off the 2 screws fixing the lower panel,and take off the lower panel.

(refer to Figure 8-51)

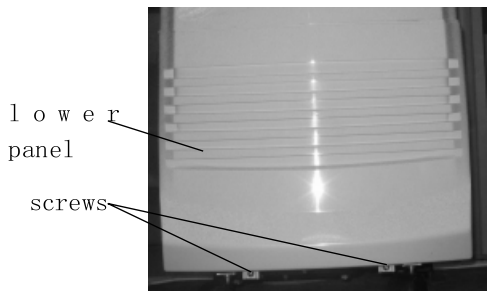



Figure 8-51

## Operating Procedures / Photos

### 8.4.3 Disassemble evaporator air inlet grille

Press the clasp with strength downwards till it is loosen ,and then take off the evaporator air inlet grille.

(refer to Figure 8-52)

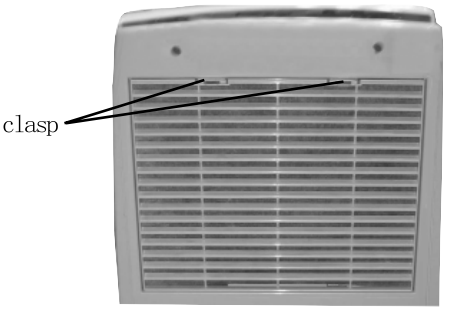



Figure 8-52

### 8.4.4 Disassemble upper connecting cover plate

Unscrew the screws fixing the rear plate, take off the rear plate.

(refer to Figure 8-53)

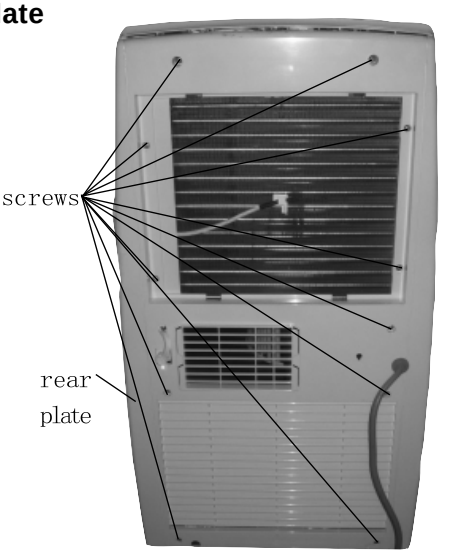



Figure 8-53

### 8.4.5 Disassemble Left, Right Side Plate

Screw off the screws fixing the sideplates (each 3 pieces for left and right sideplate,3 pieces for rear), then take off the side plates and water tank .

(refer to Figure 8-54,8-55)

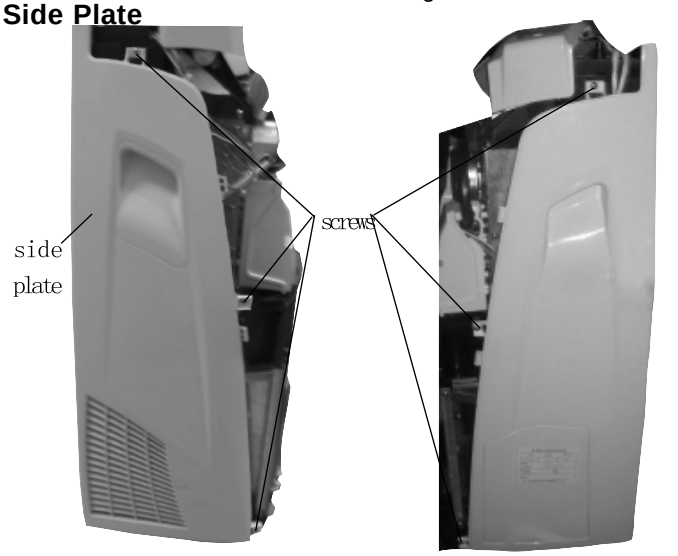



Figure 8-54

## Operating Procedures / Photos

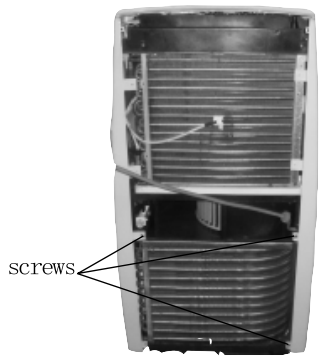



Figure 8-55

### 8.4.6 Disassemble the Electric Box Cover

Screw off the 3 screws fixing the electric box cover, then take off the electric box cover .

(refer to Figure 8-56)

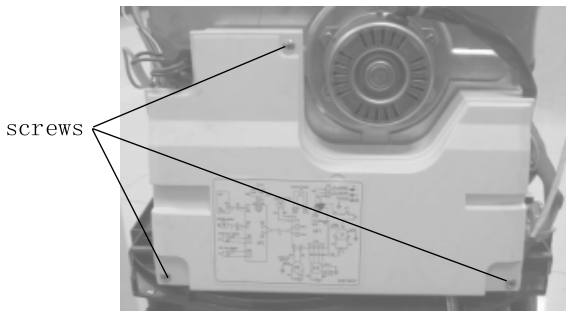



Figure 8-56

### 8.4.7 Disassemble the electric box

Discharge the wire clamp,unscrew the earth screws , then take out every wire terminals, and screw off the3 screws fixing the electric box,,boost up take off the electric box.

(refer to Figure 8-57,8-58)

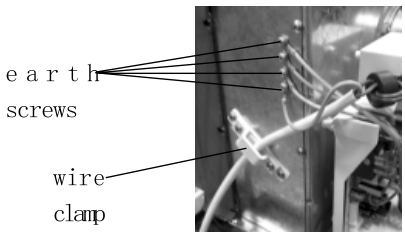



Figure 8-57

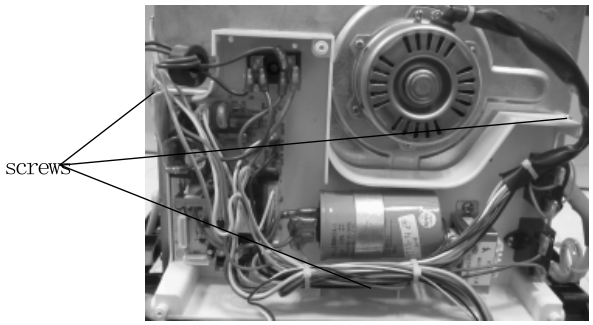



Figure 8-58

### 8.4.8 Disassemble the controll base board

Unscrew the screws fixing the base board righ, and then take off the whole control.

(refer to Figure 8-59)


Figure 8-59

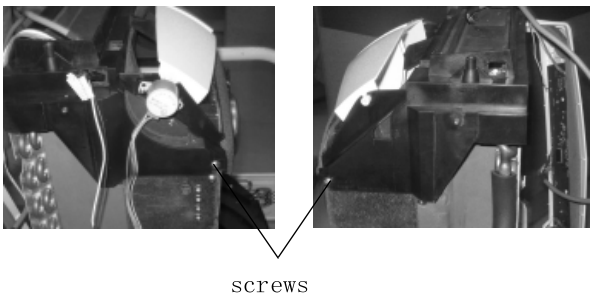



Figure 8-60

### 8.4.9 Disassemble the upper centrifugal fan sub-assy

Unscrew the fixed screws,unrip the damping sponge and lift upwards to take it off .

(refer to Figure 8-61,8-62)

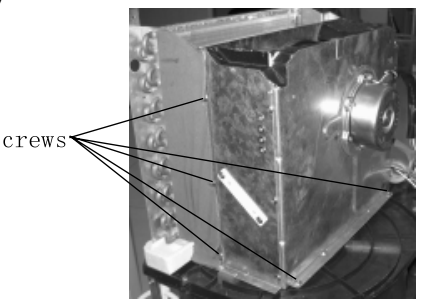



Figure 8-61

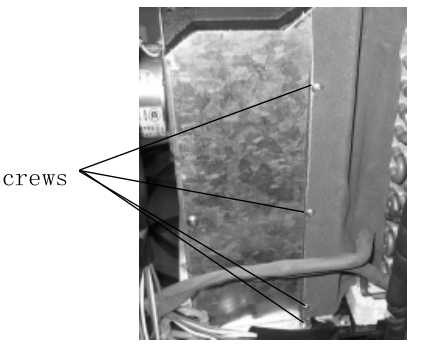



Figure 8-62

## Operating Procedures / Photos

### 8.4.10 Disassemble Lower Centrifugal Fan Sub-assy

Unscrew the screws fixing the4 support bars of the clapboard, uplift the evaporator slightly,then pull out to take off the lower water tray and centrifugal fan sub-assy.(pay attention to the capillary tube).

(refer to Figure 8-63,8-64)

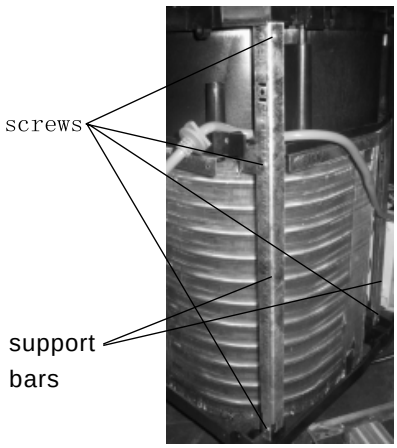



Figure 8-63

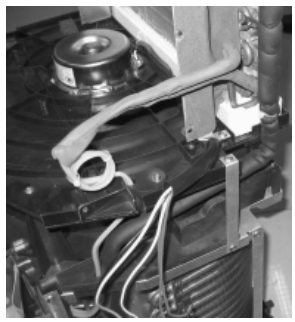


Figure 8-64

### 8.4.11 Disassemble condenser sink sub-assy

Unscrew the two screws on the top and1 piece on the side,take off the condensersink sub-assy.Don't sever the connecting pipe.

(refer to Figure 8-65,8-66)

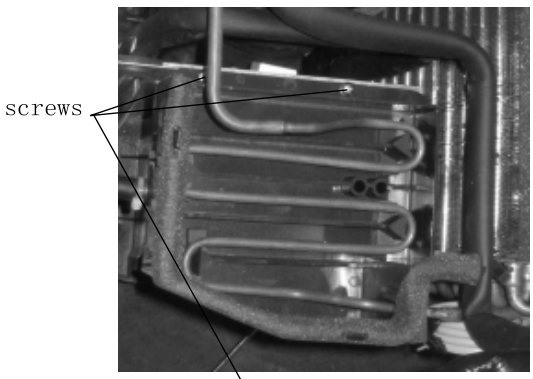



Figure 8-65

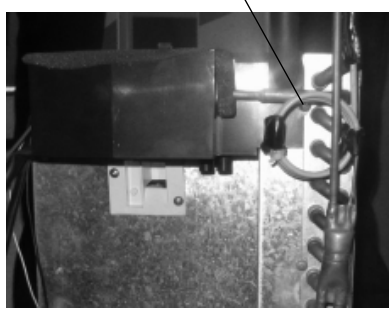


Figure 8-66

### 8.4.12 Disassemble the Compressor

Unscrew the screws of the bottom clapboard and take off the lower and bottomm clapboard ,then loose the three nuts with washers at the foot of the compreesor (caution: only after discharging all freon). Unsolder the soldering points at the suction and the discharge pipes of the compressor, carefully remove the pipes and take out the compressor.

(refer to Figure 8-67,68,8-69)

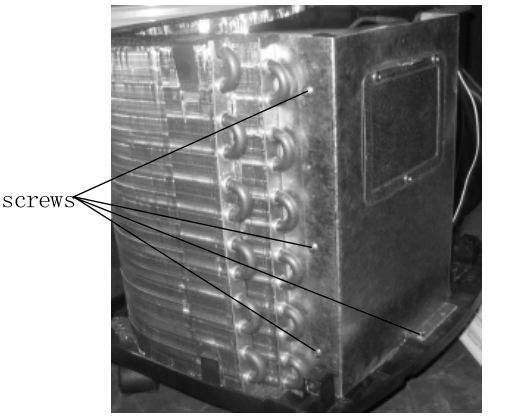



Figure 8-67

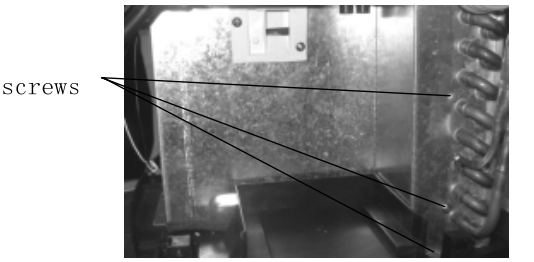



Figure 8-68

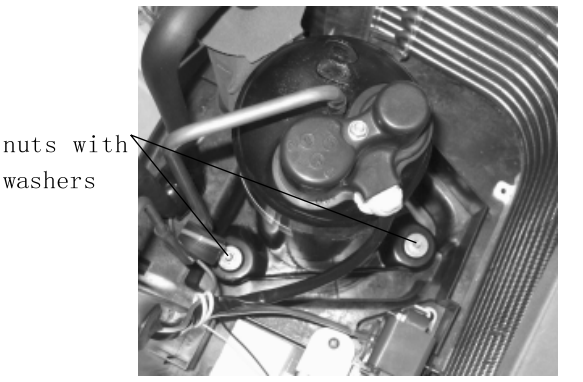
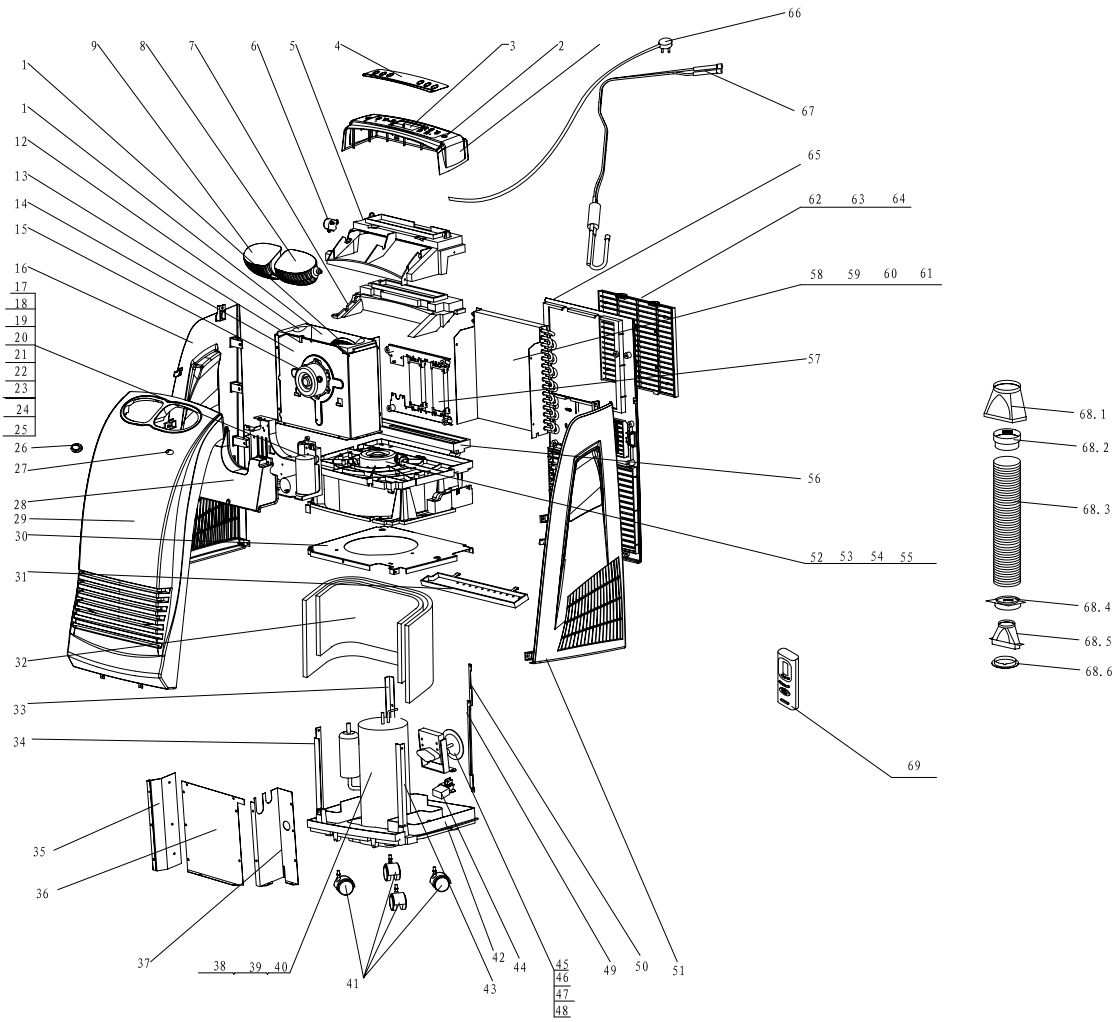



Figure 8-69

# 9 Exploded View and Components and Parts List

## 9.1 Exploded View of 25 Unit



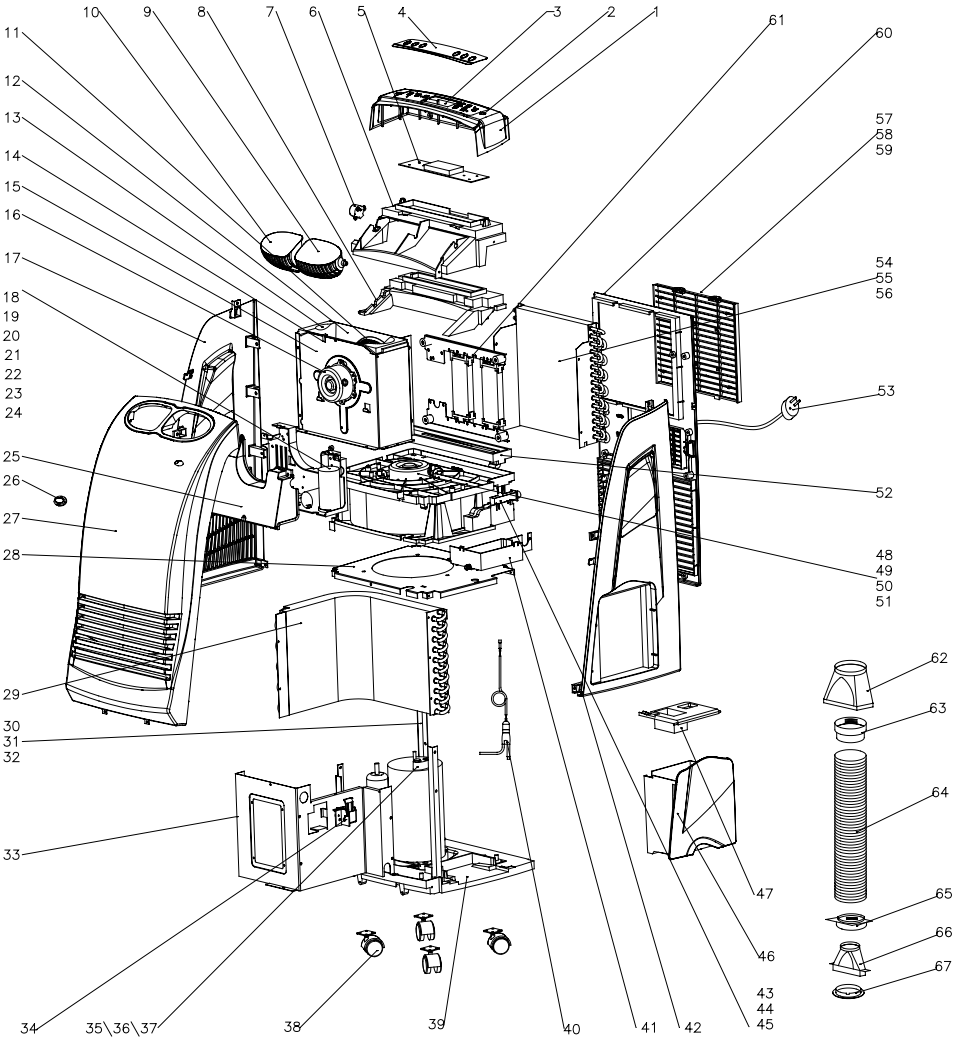
## 9. 2 Parts List of 25 Unit

| No | Description | Part Code | | Qty |
|---|---|---|---|---|
| | | KY-25Na/D | KYD-25Na/D | |
| 1 | LCD cover | 20126002 | 20126002 | 1 |
| 2 | Screw cover | 24256001 | 24256001 | 1 |
| 3 | display keyboard | 30546803 | 30546803 | 1 |
| 4 | Membrane | 63066001 | 63066001 | 1 |
| 5 | LCD support | 20166002 | 20166002 | 1 |
| 6 | Swing Motor MP28GA | 15212103 | 15212103 | 1 |
| 7 | LCD foam | 12316002 | 12316002 | 1 |
| 8 | Air Outlet Guider2 | 22416016 | 22416016 | 1 |
| 9 | Air Outlet Guider1 | 22416015 | 22416015 | 1 |
| 10 | Upper Centrifugal Fan | 10316011 | 10316011 | 1 |
| 11 | Flow-guide Loop | 01476001 | 01476001 | 1 |
| 12 | Upper Propeller House | 12106001 | 12106001 | 1 |
| 13 | Clamp | 01366325 | 01366325 | 1 |
| 14 | Motor Backseat Plate | 01336021 | 01336021 | 1 |
| 15 | Upper Motor YD40B | 15016022 | 15016022 | 1 |
| 16 | Left Case | 20056005 | 20056005 | 1 |
| 17 | Electric Box | 20106006 | 20106006 | 1 |
| 18 | Transformer SC24（130C） | 43110165 | 43110165 | 1 |
| 19 | PCB 6861 | 30036804 | 30036804 | 1 |
| 20 | Terminal Board | 42011103 | 42011103 | 1 |
| 21 | Compressor Capacitor | 33000017 | 33000017 | 1 |
| 22 | Upper motor capacitor | 33010027 | 33010027 | 1 |
| 23 | Lower motor capacitor | 33010025 | 33010025 | 1 |
| 24 | Magnet Ring | 49010104 | 49010104 | 1 |
| 25 | Capacitor Clamp | 02141381 | 02141381 | 1 |
| 26 | Receiver Board J | 30044003 | 30044003 | 1 |
| 27 | Remote Control Widow | 22436201 | 22436201 | 1 |
| 28 | Electric Box Cover | 20106007 | 20106007 | 1 |
| 29 | Front Panel | 20006010 | 20006010 | 1 |
| 30 | lower insulation plate | 01236200 | 01236200 | 1 |
| 31 | level switch assy | 20186014 | 20186014 | 1 |
| 32 | condenser assy | 01136003 | 01136003 | 1 |
| 33 | support pole 1 | 01796005 | 01796005 | 1 |
| 34 | support pole 3 | 01796004 | 01796004 | 1 |
| 35 | Bottom insulation plate 2 | 01236211 | 01236211 | 1 |

| No | Description | Part Code | | Qty |
|---|---|---|---|---|
| | | KY-25Na/D | KYD-25Na/D | |
| 36 | Bottom insulation plate 3 | 01236212 | 01236212 | 1 |
| 37 | Back insulation plate 1 | 01236210 | 01236210 | 1 |
| 38 | compressor | 00100383 | 00100383 | 1 |
| 39 | overload protector | 00180019 | 00180019 | 1 |
| 40 | Rubber grommmet | 76710224 | 76710224 | 3 |
| 41 | castor | 24236002 | 24236002 | 4 |
| 42 | base assy | 22226004 | 22226004 | 1 |
| 43 | support pole 2 | 01796211 | 01796211 | 1 |
| 44 | level switch | 26156002 | 26156002 | 1 |
| 45 | motor SN03A | 15016027 | 15016027 | 1 |
| 46 | motor mount plate | 01706211 | 01706211 | 1 |
| 47 | fan | 10336001 | 10336001 | 1 |
| 48 | spring | 73016001 | 73016001 | 1 |
| 49 | support pole 4 | 01796209 | 01796209 | 1 |
| 50 | support pole 5 | 01796210 | 01796210 | 1 |
| 51 | right panel | 20056009 | 20056009 | 1 |
| 52 | middle insulation plate | 20056006 | 20056006 | 1 |
| 53 | lower motorYD23B | 15016021 | 15016021 | 1 |
| 54 | lower propeller house | 22206005 | 22206005 | 1 |
| 55 | lower centrifugal fan | 10316012 | 10316012 | 1 |
| 56 | drainage pan assy | 12416001 | 12416001 | 1 |
| 57 | evaporator assy | | 32006002 | 1 |
| 58 | room senor | 01036007 | 01036007 | 1 |
| 59 | tube sensor | 39000106 | 39000106 | 1 |
| 60 | sensor insert | 39000104 | 39000104 | 1 |
| 61 | filter | 42020063 | 42020063 | 1 |
| 62 | Filter fiexer | 11126202 | 11126202 | 1 |
| 63 | filter grill | 26116012 | 26116012 | 1 |
| 64 | rear case | 22416018 | 22416018 | 1 |
| 65 | power cord | 200560031 | 200560031 | 1 |
| 66 | capillary assy | 400220081 | 400220081 | 1 |
| 67 | exhaust pipe assy | 03006012 | 03006012 | 1 |
| 68.1 | front plastic pipe end | 03616003 | 03616003 | 1 |
| 68.2 | plastic pipe end | 06646001 | 06646001 | 1 |
| 68.3 | pipe | 06646002 | 06646002 | 1 |
| 68.4 | rear clip | 05236006 | 05236006 | 1 |
| 68.5 | middle plastic pipe end | 26116018 | 26116018 | 1 |
| 68.6 | plastic cover | 06646003 | 06646003 | 1 |
| 68.7 | Remote Controller | 22246001 | 22246001 | 1 |
| 69 | Remote control | 30516002 | 30516002 | 1 |

**The above data are subject to change withuot notices.**

## 9.3 Exploded View of 25 Unit



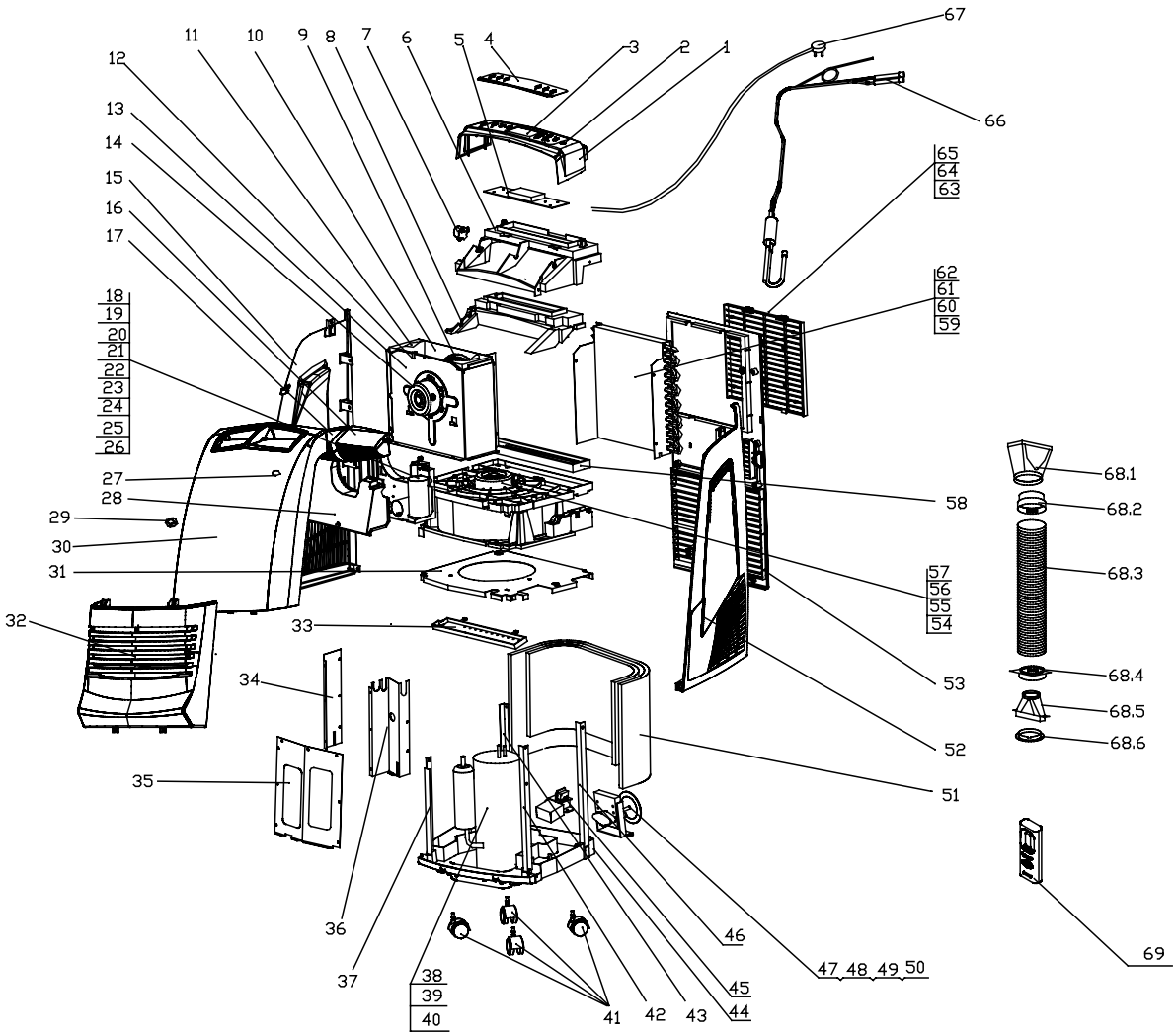
## 9.4 Parts List of 25 Unit

| No | Description | Part Code | | Qty |
|---|---|---|---|---|
| | | KY-25N/C-E | KYD-25N/C-E | |
| 1 | LCD cover | 20126002 | 20126002 | 1 |
| 2 | screw cover | 24256001 | 24256001 | 2 |
| 3 | LCD slide | 22436201 | 22436201 | 1 |
| 4 | membrane | 63066001 | 63066002 | 1 |
| 5 | Display Board | 30546803 | 30546804 | 1 |
| 6 | LCD backseat | 20166002 | 20166002 | 1 |
| 7 | swing motor | 15212103 | 15212103 | 1 |
| 8 | LCD foam | 12316002 | 12316002 | 1 |
| 9 | air outlet grill2 | 22416016 | 22416016 | 1 |
| 10 | air outlet grill1 | 22416015 | 22416015 | 1 |
| 11 | Upper Centrifugal Fan | 10316011 | 10316011 | 1 |
| 12 | flow-guide loop | 01476001 | 01476001 | 1 |
| 13 | upper snail shell | 12106001 | 12106001 | 1 |
| 14 | snail shell clip | 01366325 | 01366325 | 1 |
| 15 | motor backseat plate | 01336021 | 01336021 | 1 |
| 16 | upper motor | 15016022 | 15016022 | 1 |
| 17 | Left Case | 20056005 | 20056005 | 1 |
| 18 | electric box | 20106006 | 20106006 | 1 |
| 19 | transformer | 43110165 | 43110165 | 1 |
| 20 | Main Board | 30036804 | 30036803 | 1 |
| 21 | terminal board | 42011103 | 42011103 | 1 |
| 22 | compressor capacitor | 33000017 | 33000017 | 1 |
| 23 | fan capacitor | 33010025 | 33010025 | 2 |
| 24 | magnet ring | 49010104 | 49010104 | 1 |
| 25 | electric box cover | 20106007 | 20106007 | 1 |
| 26 | remote control window | 22436030 | 22436030 | 1 |
| 27 | front panel | 20006010 | 20006010 | 1 |
| 28 | lower insulation plate | 01236014 | 01236014 | 1 |
| 29 | condenser assy | 011360011 | 011360011 | 1 |
| 30 | Supporting Strip1 | 01796005 | 01796005 | 1 |
| 31 | Supporting Strip2 | 01796003 | 01796003 | 1 |
| 32 | Supporting Strip3 | 01796004 | 01796004 | 1 |
| 33 | bottom insulation plate | 01236001 | 01236001 | 1 |

| No | Description | Part Code | | Qty |
|---|---|---|---|---|
| | | KY-25N/C-E | KYD-25N/C-E | |
| 34 | level switch assy | 45016507 | 45016507 | 1 |
| 35 | compressor C-1RV113H1B | 00100376 | 00100376 | 1 |
| 36 | overload protector B165-145-241E | 00110117 | 00110117 | 1 |
| 37 | compressor gasket | 76710224 | 76710224 | 3 |
| 38 | castor | 24236051 | 24236051 | 4 |
| 39 | base assy | 22226002 | 22226002 | 1 |
| 40 | capillary assy | 03006008 | 03006008 | 1 |
| 41 | Condenser Tray | 06126004 | 06126004 | 1 |
| 42 | Right Case | 20056004 | 20056004 | 1 |
| 43 | drain trough | 06126030 | 06126030 | 1 |
| 44 | drain pipe | 05230021 | 05230021 | 1 |
| 45 | stopper | 76716012 | 76716012 | 1 |
| 46 | Drainage Tank | 20186008 | 20186008 | 1 |
| 47 | Drainage Tank Cover | 20186009 | 20186009 | 1 |
| 48 | lower motor | 15016021 | 15016021 | 1 |
| 49 | middle insulation plate | 20056006 | 20056006 | 1 |
| 50 | Lower Centrifugal Fan | 10316012 | 10316012 | 1 |
| 51 | Lower Snail Shell | 22206005 | 22206005 | 1 |
| 52 | evaporator tray | 12316003 | 12316003 | 1 |
| 53 | power cord | 400220081 | 400220082 | 1 |
| 54 | evaporator assy | 010360061 | 010360061 | 1 |
| 55 | tube sensor | 39000104 | 39000103 | 1 |
| 56 | room sensor | 39000106 | 39000106 | 1 |
| 57 | Filter Grill | 22416018 | 22416018 | 1 |
| 58 | filter | 11126202 | 11126202 | 1 |
| 59 | Filter Fixer | 26116012 | 26116012 | 6 |
| 60 | Rear Case | 20056003 | 20056003 | 1 |
| 61 | PTC Heater | / | 32006002 | 1 |
| 62 | Front Plastic Pipe End | 06646001 | 06646001 | 1 |
| 63 | Plastic Pipe End | 06646002 | 06646002 | 1 |
| 64 | Pipe（φ131） | 05236006 | 05236006 | 1 |
| 65 | Middle Plastic Pipe End | 06646003 | 06646003 | 1 |
| 66 | Rear Clip | 26116010 | 26116010 | 1 |
| 67 | Plastic Cover | 22246001 | 22246001 | 1 |

**The above data are subject to change withuot notices.**

## 9.5 Exploded View of 32 Unit



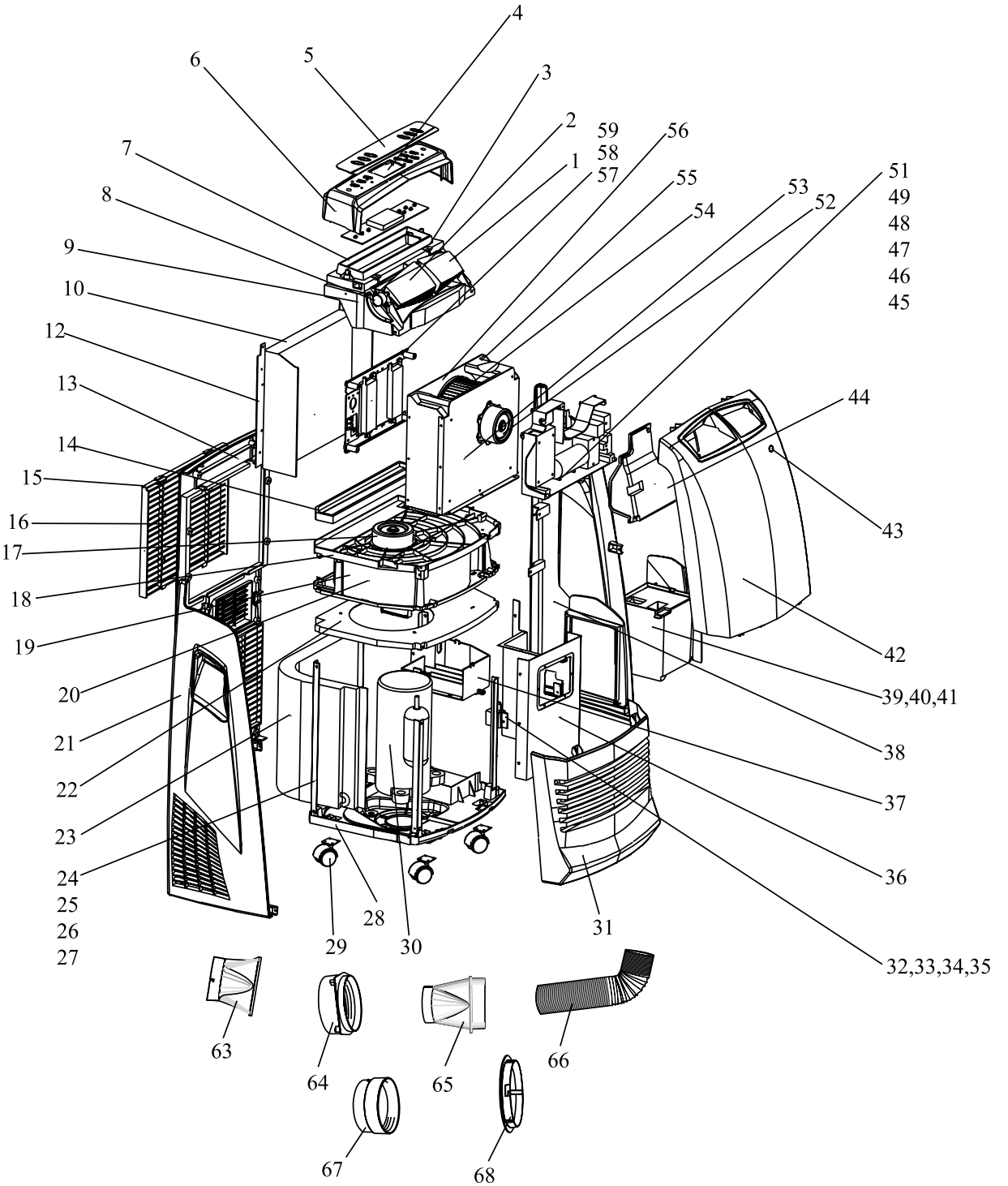
## 9.6 Parts List of 32 Unit

| No | Description | Part Code | | Qty |
|---|---|---|---|---|
| | | KY-32Na/D | KYD-32Na/D | |
| 1 | LCD cover | 20126030 | 20126030 | 1 |
| 2 | Screw cover | 24256001 | 24256001 | 2 |
| 3 | display keyboard | 30546803 | 30546803 | 1 |
| 4 | Membrane | 60516084 | 60516081 | 1 |
| 5 | LCD support | 30547044 | 30547041 | 1 |
| 6 | Swing Motor MP28GA | 26156030 | 26156030 | 1 |
| 7 | LCD foam | 15212103 | 15212103 | 1 |
| 8 | Air Outlet Guider2 | 12416052 | 12416052 | 1 |
| 9 | Air Outlet Guider1 | 10316020 | 10316020 | 1 |
| 10 | Upper Centrifugal Fan | 10376020 | 10376020 | 1 |
| 11 | Flow-guide Loop | 12106051 | 12106051 | 1 |
| 12 | Upper Propeller House | 01366325 | 01366325 | 1 |
| 13 | Clamp | 01336020 | 01336020 | 1 |
| 14 | Motor Backseat Plate | 15016022 | 15016022 | 1 |
| 15 | Upper Motor YD40B | 20056051 | 20056051 | 1 |
| 16 | Left Case | 22416031 | 22416031 | 1 |
| 17 | Electric Box | 22416030 | 22416030 | 1 |
| 18 | Transformer SC24（130C） | 20106006 | 20106006 | 1 |
| 19 | PCB 6861 | 43110165 | 43110165 | 1 |
| 20 | Terminal Board | 30000702 | 30000701 | 1 |
| 21 | Compressor Capacitor | 42011106 | 42011106 | 1 |
| 22 | Upper motor capacitor | 33000017 | 33000017 | 1 |
| 23 | Lower motor capacitor | 33010025 | 33010025 | 1 |
| 24 | Magnet Ring | 33010025 | 33010025 | 1 |
| 25 | Capacitor Clamp | 49010104 | 49010104 | 1 |
| 26 | Receiver Board J | 02141381 | 02141381 | 1 |
| 27 | Remote Control Widow | 22436201 | 22436201 | 1 |
| 28 | Electric Box Cover | 20106031 | 20106031 | 1 |
| 29 | Front Panel | 30044003 | 30044003 | 1 |
| 30 | lower insulation plate | 20006030 | 20006030 | 1 |
| 31 | level switch assy | 01236216 | 01236216 | 1 |
| 32 | condenser assy | 20006031 | 20006031 | 1 |
| 33 | support pole 1 | 20186014 | 20186014 | 1 |
| 34 | support pole 3 | 01236213 | 01236213 | 1 |
| 35 | Bottom insulation plate 2 | 01236214 | 01236214 | 1 |

| No | Description | Part Code | | Qty |
|---|---|---|---|---|
| | | KY-32Na/D | KYD-32Na/D | |
| 36 | Bottom insulation plate 3 | 01236215 | 01236215 | 1 |
| 37 | Back insulation plate 1 | 02116022 | 02116022 | 1 |
| 38 | compressor | 00100384 | 00100384 | 1 |
| 39 | overload protector | 00180021 | 00180021 | 1 |
| 40 | Rubber grommmet | 76710226 | 76710226 | 3 |
| 41 | castor | 24236002 | 24236002 | 1 |
| 42 | base assy | 02116023 | 02116023 | 1 |
| 43 | support pole 2 | 02116020 | 02116020 | 1 |
| 44 | level switch | 22226006 | 22226006 | 1 |
| 45 | motor SN03A | 26156002 | 26156002 | 1 |
| 46 | motor mount plate | 02116021 | 02116021 | 1 |
| 47 | fan | 15016027 | 15016027 | 1 |
| 48 | spring | 01706211 | 01706211 | 1 |
| 49 | support pole 4 | 10336001 | 10336001 | 1 |
| 50 | support pole 5 | 73016001 | 73016001 | 1 |
| 51 | right panel | 01136010 | 01136010 | 1 |
| 52 | middle insulation plate | 20056007 | 20056007 | 1 |
| 53 | lower motorYD23B | 20056053 | 20056053 | 1 |
| 54 | lower propeller house | 20056054 | 20056054 | 1 |
| 55 | lower centrifugal fan | 15016021 | 15016021 | 1 |
| 56 | drainage pan assy | 12316030 | 12316030 | 1 |
| 57 | evaporator assy | 10316021 | 10316021 | 1 |
| 58 | room senor | 12416002 | 12416002 | 1 |
| 58 | tube sensor | 20186013 | 20186013 | 1 |
| 59 | sensor insert | 01036009 | 01036009 | 1 |
| 60 | filter | 39000106 | 39000106 | 1 |
| 61 | Filter fiexer | 39000104 | 39000104 | 1 |
| 62 | filter grill | 42020063 | 42020063 | 1 |
| 63 | rear case | 11126051 | 11126051 | 1 |
| 64 | power cord | 26116012 | 26116012 | 1 |
| 65 | capillary assy | 22416032 | 22416032 | 1 |
| 66 | exhaust pipe assy | 03006014 | 03006014 | 1 |
| 67 | front plastic pipe end | 40022008 | 40022008 | 1 |
| 68.1 | plastic pipe end | 06646001 | 06646001 | 1 |
| 68.2 | pipe | 06646002 | 06646002 | 1 |
| 68.3 | rear clip | 05236006 | 05236006 | 1 |
| 68.4 | middle plastic pipe end | 26116010 | 26116010 | 1 |
| 68.5 | plastic cover | 06646003 | 06646003 | 1 |
| 68.6 | Remote Controller | 22246001 | 22246001 | 1 |
| 69 | Remote control | 30516001 | 30516001 | 1 |

**The above data are subject to change withuot notices.**

## 9.7 Exploded View of 32 Unit



## 9.8 Parts List of 32 Unit

| No. | Description | Part No. | | Qty |
|---|---|---|---|---|
| | | KY-32/K101 | KYD-32/K101 | |
| 1 | Air outlet grill 1 | 22416030 | 22416030 | 1 |
| 2 | Air outlet grill 2 | 22416031 | 22416031 | 1 |
| 3 | Scre Cover | 24256001 | 24256001 | 2 |
| 4 | LCD silde | 22436201 | 22436201 | 1 |
| 5 | Membrane | 60516084 | 60516081 | 1 |
| 6 | LCD cover | 20126030 | 20126030 | 1 |
| 7 | LCD foam | 12416052 | 12416052 | 1 |
| 8 | Swing motor | 15212103 | 15212103 | 1 |
| 9 | LCD backseat | 26156030 | 26156030 | 1 |
| 10 | Evaporator assy | 01006024 | 01006024 | 1 |
| 11 | Sensor support | 24211121 | 24211121 | 1 |
| 12 | Rear plate | 20056053 | 20056053 | 1 |
| 13 | Evaporator tray | 12416051 | 12416051 | 1 |
| 14 | Air inlet grill | 22416032 | 22416032 | 1 |
| 15 | Filter | 11126051 | 11126051 | 1 |
| 16 | Hooks | 26116012 | | 10 |
| 17 | Lower motor YD23B | 15016021 | 15016021 | 1 |
| 18 | Middle Insulation Plate | 20056054 | 20056054 | 1 |
| 19 | Lower fan | 10316021 | 10316021 | 1 |
| 20 | Lower Propeller House | 12316030 | 12316030 | 1 |
| 21 | Left side plate | 20056051 | 20056051 | 1 |
| 22 | Lower insulation plate | 01236020 | 01236020 | 1 |
| 23 | Condenser assy | 01106021 | 01106022 | 1 |
| 24 | Support pole 1 | 02116020 | 02116020 | 1 |
| 25 | Support pole 2 | 02116021 | 02116021 | 1 |
| 26 | Support pole 3 | 02116022 | 02116022 | 1 |
| 27 | Support pole 4 | 02116023 | 02116023 | 1 |
| 28 | Base assy | 22226030 | 22226030 | 1 |
| 29 | Castor | 24236051 | 24236051 | 4 |
| 30 | Compressor C-RV167H11AB | 00100359 | 00100359 | 1 |
| 31 | Lower front panel | 20006031 | 20006031 | 1 |
| 32 | Block 1 | 26216505 | 26216505 | 1 |
| 33 | Block 2 | 26216506 | 26216506 | 1 |
| 34 | Switch piece | 45016501 | 45016501 | 1 |
| 35 | Level switch | 45020151 | 45020151 | 1 |

| No. | Description | Part No. | | Qty |
|---|---|---|---|---|
| | | KY-32/K101 | KYD-32/K101 | |
| 36 | Bottom insulation plate | 01236023 | 01236023 | 1 |
| 37 | Cindenser tray | 06126021 | 06126021 | 1 |
| 38 | Right side plate | 20056050 | 20056050 | 1 |
| 39 | Drain tank side plate | 20056052 | 20056052 | 1 |
| 40 | Drain tank | 22246020 | 22246020 | 1 |
| 41 | Water Tank Cover | 22246022 | 22246022 | 1 |
| 42 | Upper panel | 20006032 | 20006032 | 1 |
| 43 | Remote control window | 22436030 | 22436030 | 1 |
| 44 | Electric box cover | 20106031 | 20106031 | 1 |
| 45 | Electric box | 20106030 | 20106030 | 1 |
| 46 | Transformer SC24(130℃) | 43110165 | 43110165 | 1 |
| 47 | Hi-Volt Board | 30000702 | 30000701 | 1 |
| | LCD Board | 30547044 | 30547041 | 1 |
| | Receiver Board | 30044003 | 30044003 | 1 |
| 48 | Terminal board | 42011106 | 42011106 | 1 |
| 49 | Fan capacitor 2uF/450V | 33010025 | 33010025 | 2 |
| 50 | Compressor Capacitor 22.5uF/450V | 33000002 | 33000002 | 1 |
| 51 | Magnet ring | 49010104 | 49010104 | 1 |
| 52 | Upper motor YD40B | 15016022 | 15016022 | 1 |
| 53 | Motor backseat plate | 01336020 | 01336020 | 1 |
| 54 | Upper fan | 10316020 | 10316020 | 1 |
| 55 | Upper propeller house | 12106051 | 12106051 | 1 |
| 56 | Flow-guide loop | 10376020 | 10376020 | 1 |
| 57 | PTC heater assy | | 32006020 | 1 |
| 58 | Fuse | | 46010363 | 1 |
| 59 | Temperature limiter 250VAC15A55℃ | | 46010509 | 1 |
| 60 | Tube sensor | 39000104 | 39000104 | 1 |
| 61 | Room sensor | 39000106 | 39000106 | 1 |
| 62 | Remote Control Y612A | 30516001 | 30516001 | 1 |
| 63 | Front plastic pipe end | 06646001 | 06646001 | 1 |
| 64 | Plastic pipe end | 06646002 | 06646002 | 1 |
| | or | 06646007 | 06646007 | 1 |
| | Fixing ring | 06646010 | 06646010 | 1 |
| 65 | Rear clip | 26116010 | 26116010 | 1 |
| | or rear clip B | 26116018 | 26116018 | 1 |
| 66 | Pipe (φ131) | 05236006 | 05236006 | 1 |
| 67 | Middle plastic pipe end | 06646003 | 06646003 | 1 |
| 68 | Plastic cover | 22246001 | 22246001 | 1 |

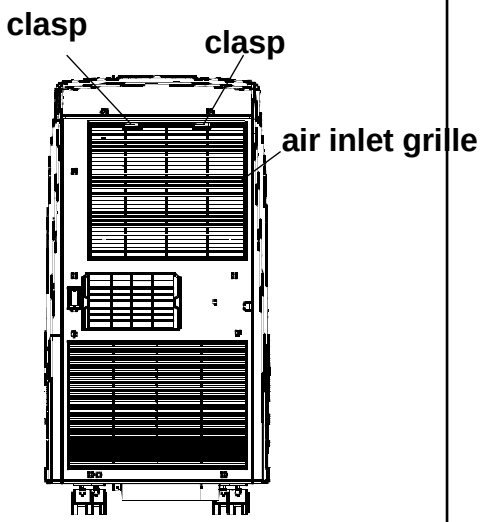
**The above data are subject to change withuot notices.**

# 10 Clean and Maintainence

Warning

- Be sure to stop the unit and plug off the power before cleaning your air conditioner. Otherwise, electric shock may happen.
- Wetting of air conditioner may cause the risk of electric shock. Make sure not to wash your air conditioner in any case.

## 10. 1 Clean the air filter




**1 Remove the air filter**

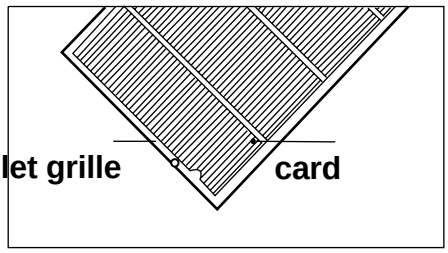
Press the clasps of the air inlet grille and discharge the cards of the lower air inlet grille,and take out the filter.

**2 Clean the air filter**

Wash the filter with vacuum cleaner or water. Then dry it at a cool place.

**3 Install the air filter**

Put the filter into the air inlet grille,insert the card in and push the air inlet grill to the original place inward and close the filter.




**Notice**:If there is too much dust together in the filter ,the capability will be weakened ,so had better claen it at least once two weeks.

## 10. 2 Clean the air conditioner

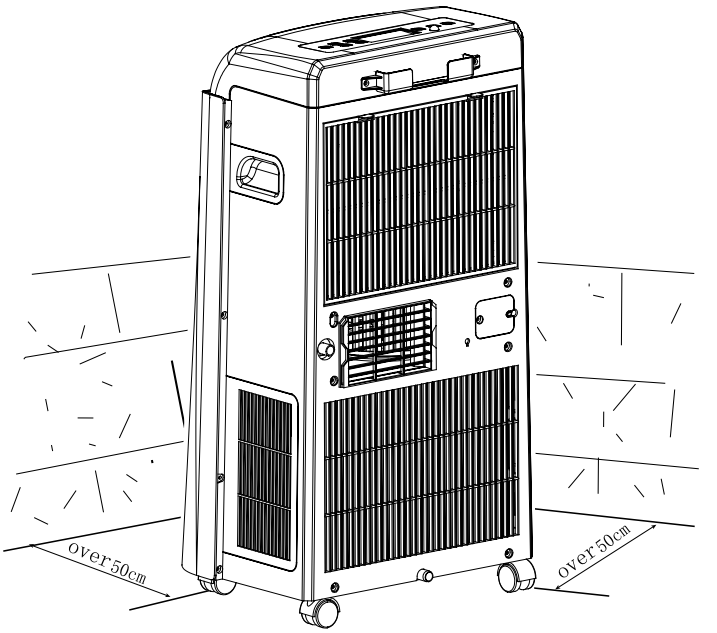
Use soft warm water (below 40℃) with neutral detergentto to clean the air conditioner,and then wipe off the water .

**Notice:** Volatile liquids such as thinner or gasoline will cause damage to the appearance of air conditioner.

# 11 Installation Guide

## 11.1 Notices for installation

Do not use the unit in the confined place and keep the well ventilation.
Keep the unit 1meter away from TV and radio , or it will be effected by the electromagnetic wave.
Do not use the unit in water or near water, avoiding leakage of electricity.
Do not use the unit where the sunlight is shining directly onto it so as to avoid surface colour from fading and lower efficiency.
Do not step on or put things on the top of unit ,it will slop and can cause malfuntion.
Keep the air inlet and outlet far away from obstacles,or it will cause malfuntion.
Don't apply the cold wind to the body for a long time. It will cause the health problems.
Don't insert your hands or stick into the air inlet or outlet , especially pay more attention to young children, or it can cause the accident easily.
Put the unit in a level ground and place the unit no less than 50cm away from a wall or other obstacle.
Should take the consideration for the people of following:
1). Young children,patient.
2). The ailing people,the peolpe who is hard to express.
3). The people who is very tired: drunk or the people who had taken the soporifics.




## 11.2 Cable Layout

- The standard working range of the voltage is 220V 6%,50Hz, if the voltage is higher ou lower, the unit will be affected.
- The power supply must be of rated voltage and special line for air-conditioning.The thread section of the lead wires should be large enough .
- The power phugs and the sockets can be supported by the current that is more than 16 A.
- If the power supply cord is damaged, should adopt the special power supply cord to replace.
- The unit must be safety earthed. Earth wire must be connected to the special device of the building in order to provide the good earthing for the air conditioner.

## 11.3 Accessory Installation

### 1 Truckle Installation

**Notice:** Before using,the truckles must be installed,or else the whole unit will be unconvenient and even damaged.During intallltion the lean angle should be less than 5 degrees to avoid damaging the air conditioner.

1.Open the accessory bag,take 4 truckles out.

2.Built the whole unit on stilts ,the height shuold be convenient to install .

3.Screw the truckles in the installation groove, as be shown in Figure 11-2,11-3

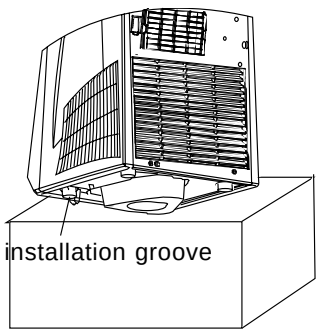



Figure 11-2

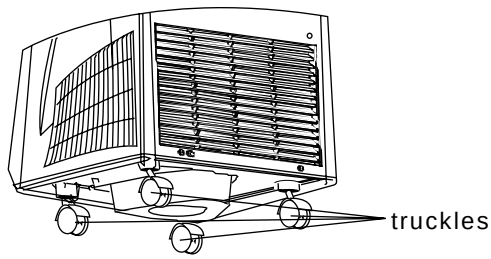



Figure 11-3

### 2 Drainage Pipe

Note: It must be installed the drainage pipe(including the drainage hole cap and clamp) before operating the unit or it can cause the drainage block and will influence the unit running.

1.Take out the drainage pipe from the package (including plug and clamp),pull the drainage pipe out and install it on the waterspout in the base tray .Don't insert it to the bottom.

2.Fix the water pipe on the clamp after intalling the water pipe.

(refer to Figure 11-4,11-5)

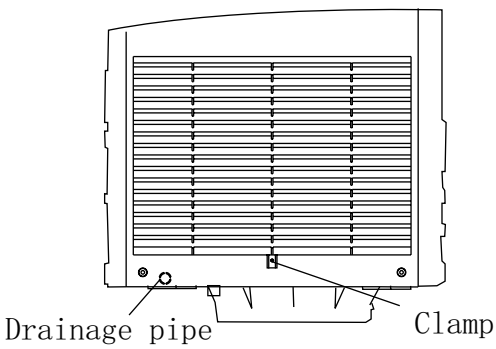



Figure 11-4

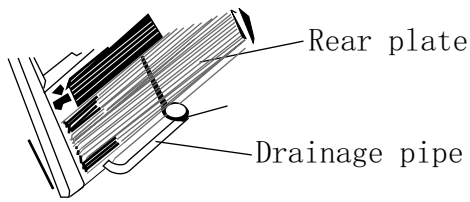


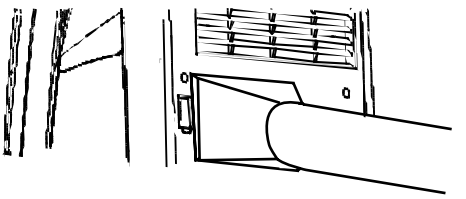

Figure 11-5

## ③ Exhaust Duct

1.Fix the end of the exhaust duct to the exhaust terminal of the unit.

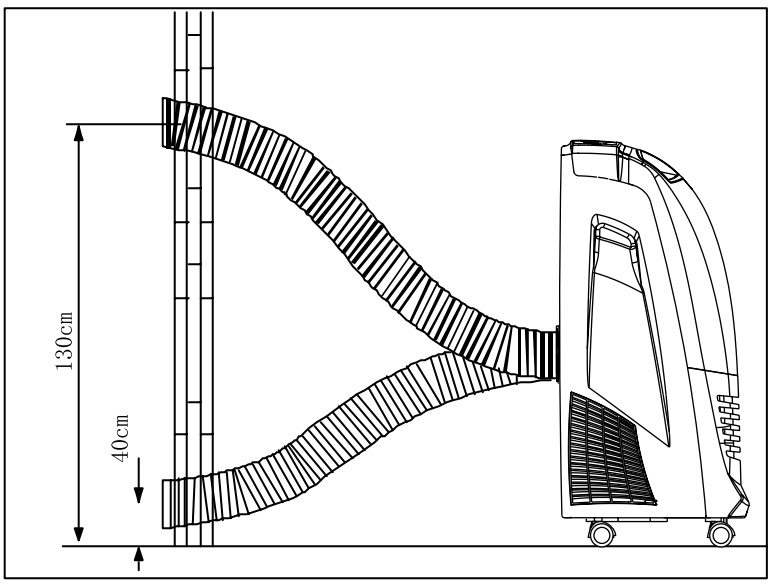
2.Put the other end (discharge) to the nearest window

Attention: The length of the air exhaust must be between 500mm-2000mm,the 500mm is suggested. Don't add or connect other pipes to it, otherwise it will cause mechanical malfunction.

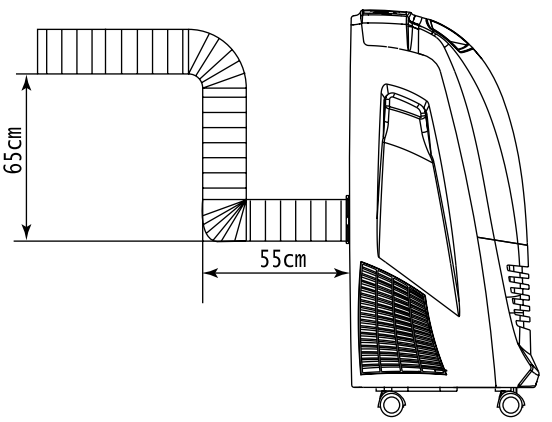


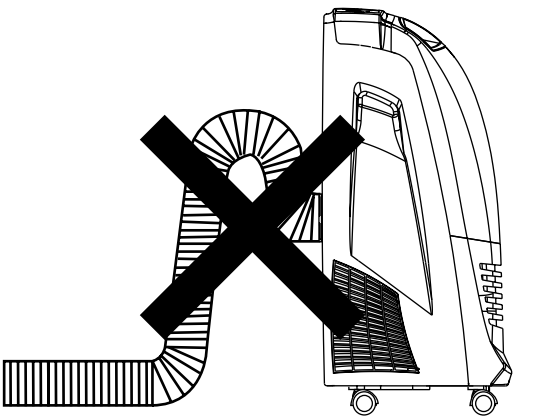
Correct installation:

1When installing it on wall, height of hall should be about 40cm-130cm from floor.

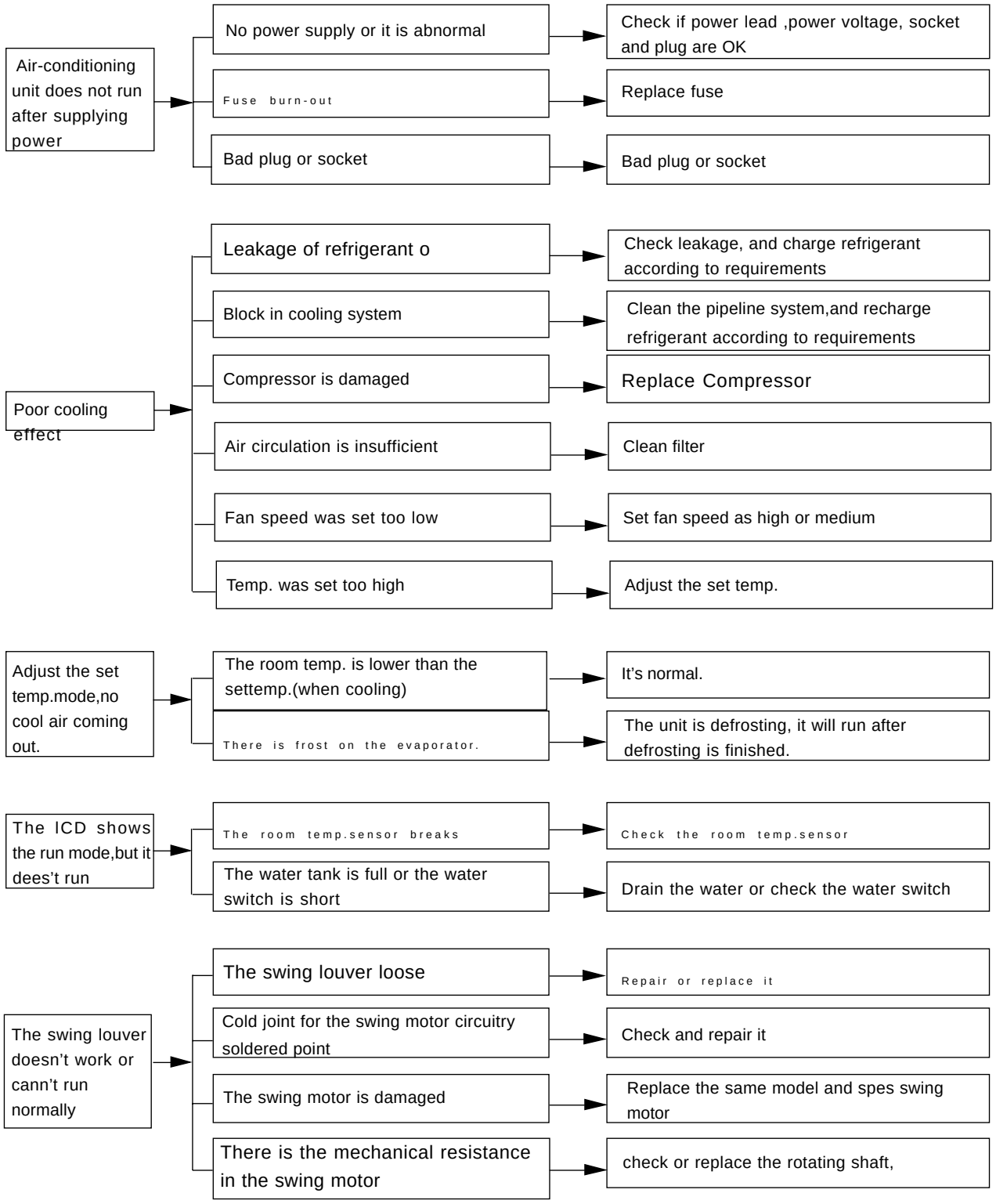


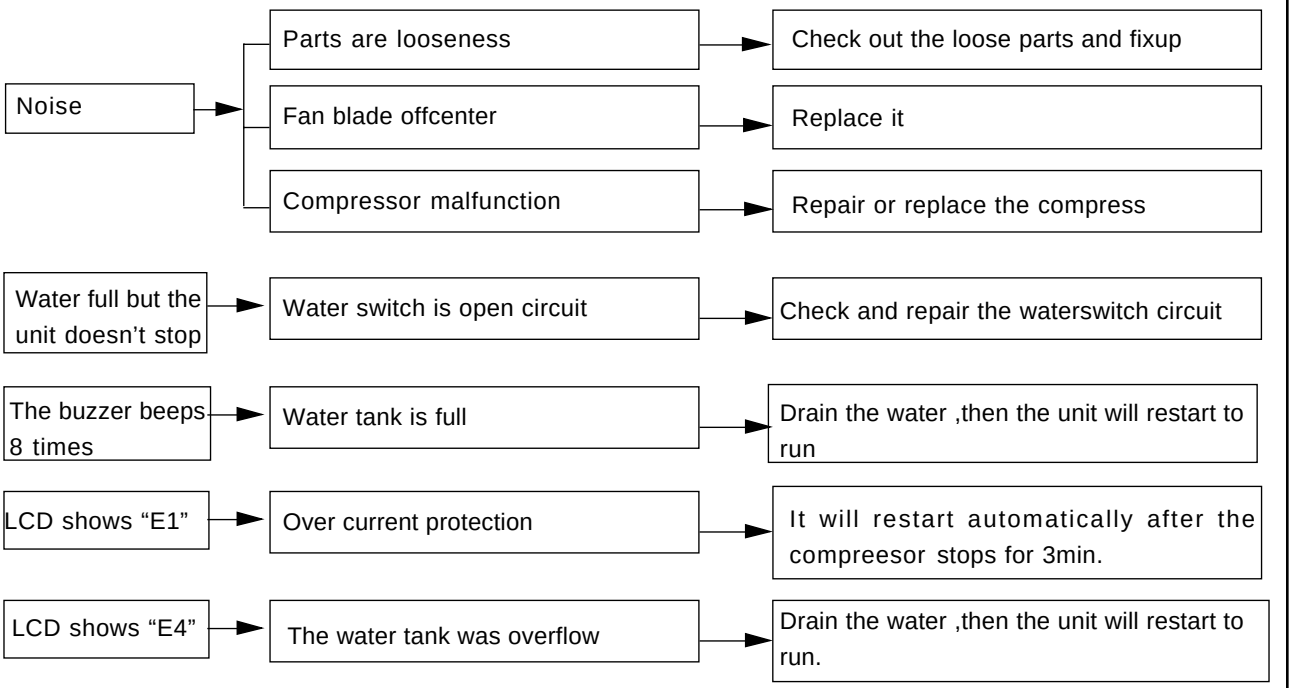

2. The pipe is easy to be bent, please install it by considering following dimension.



## 12 Trouble--shooting




Noise
Parts are looseness
Check out the loose parts and fixup
Fan blade offcenter
Replace it
Compressor malfunction
Repair or replace the compress
Water full but the unit doesn't stop
Water switch is open circuit
Check and repair the waterswitch circuit
The buzzer beeps 8 times
Water tank is full
Drain the water ,then the unit will restart to run
LCD shows "E1"
Over current protection
It will restart automatically after the compreesor stops for 3min.
LCD shows "E4"
The water tank was overflow
Drain the water ,then the unit will restart to run.