



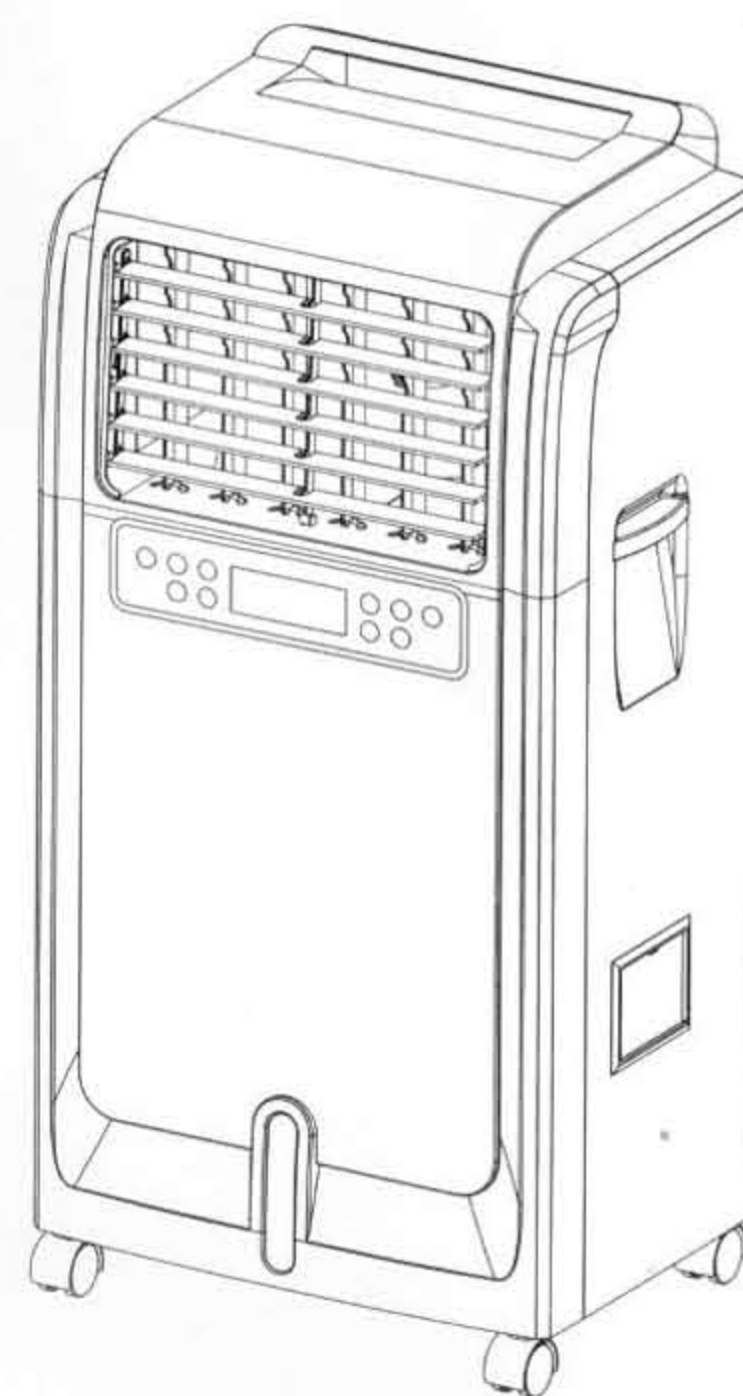
# Evaporative Air Cooler

## Operating and Maintenance Instructions

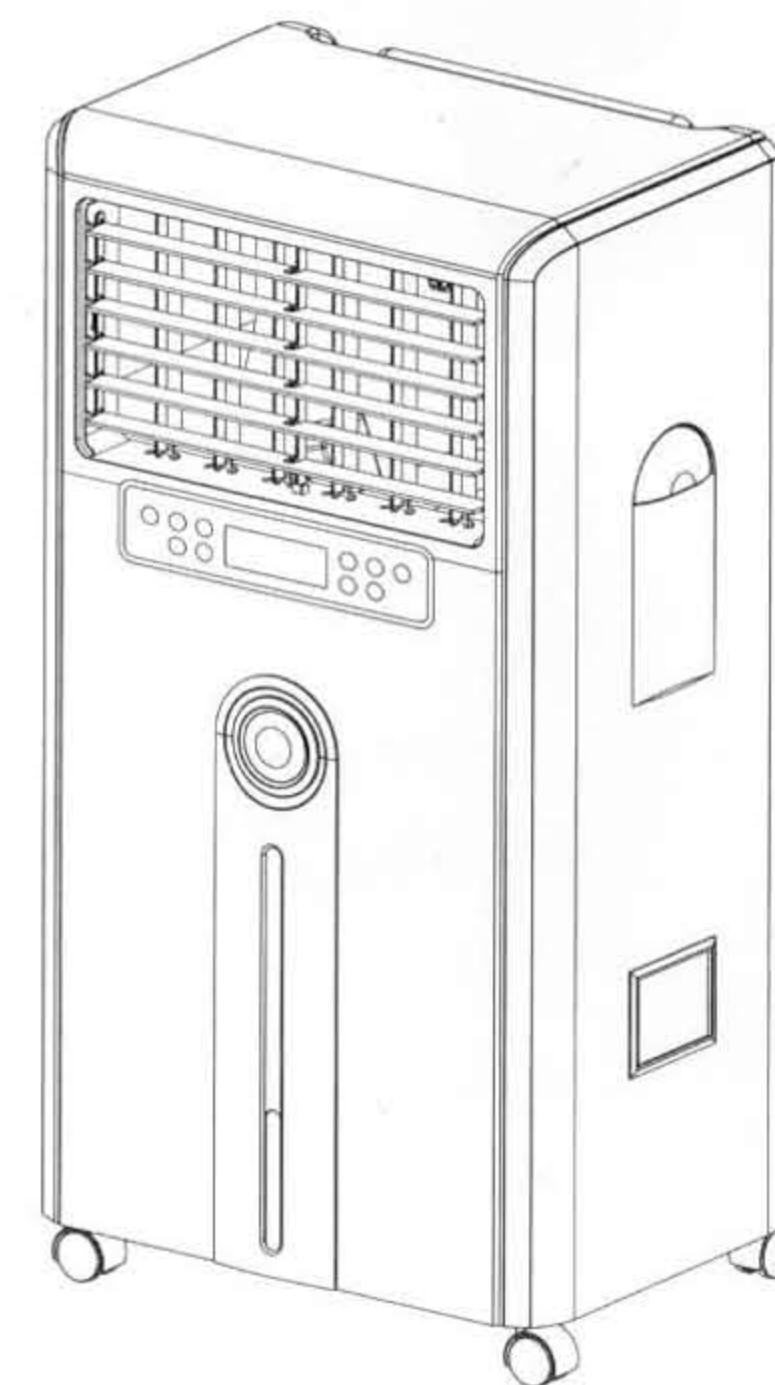
Model:KF15,35



Healthy & Comfortable  
Energy-saving & Environment friendly



KF15



KF35

Thank you for your trust, support and for choosing the *Evaporative Air Cooler*.

Please take note that the appearance of the actual product that you purchased may vary with the one illustrated, photographed / shown in this operation / instruction manual due to continuous product upgrade.

Although there may be slight differences between the actual product and the one used in illustration, it will not in any way affect the performance of the product you purchased.

Please read this manual carefully first before operating it.

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## PACKAGE CONTENTS:

Evaporative Air Cooler Unit	- 1 Unit
Remote Control Unit	- 1 Unit
Operating Instruction/Manual	- 1 Piece



## KF15 / KF35 - BASIC PRINCIPLE



The *Evaporative Air Cooler* is a high-tech product, originally from Europe. Its basic principle are as follows: water evaporation drives away the surrounding heat and causes the temperature to cool down.

Its working principle is that negative pressure occurs because of wind draining by exhaust fan; air goes through wet congruent cooling pad and the motor pump continuously transport water to the pipes and cooling pad at the same time.

Air cooler is a product made in accordance with European high technology. The basic theory for reducing heat is water evaporation, carry all the heat of the surrounding area and it reduces the air's temperature.

The water continuously wetting the cooling pad surface evenly and the wet cooling pad angle makes the water current flow to the side of wind inlet, cooling pad angle makes the water current flow to the side of wind inlet, absorbing a certain amount of heat from the air, which cools down upon contact with the cooling pad.

The wet cooling pad also makes the wind cool and fresh. The circulating water falls to the bottom, forming the water cycle. There is a water level indicator at the bottom, so when the water level indicator reaches the bottom level, the inlet valve will open automatically to add water; when the water reaches the indicated full level, the valve will close automatically.

## KF15 / KF35 - APPLICATION



**MANUFACTURING:** Textile, Machinery, Ceramic, Refine Chemical Industry, Metallurgy, Glass, Hardware and Leather.

**PROCESSING:** Plating, Electronic, Shoe Making, Painting, Plastic, Clothes Making, Food Package, etc.

**OTHERS:** Golf Court, Bakery, Playground, Hospital, Waiting Room, School, Passenger Waiting Room, Supermarket, Restaurants, Washing Room, Kitchen, Vegetable Market, Entertainment Center, Gym, Underground Parking Lot, Park, Warm Room, Stock Farm, Garden, factories and others.

## KF15 / KF35 - TECHNICAL SPECIFICATIONS



PARAMETER / MODEL	KF15	KF35
Max Airflow (m <sup>3</sup> /hr)	1500	3500
Power Supply/Frequency (V/Hz)	220 / 60	220 / 60
Power Consumption (W)	170	280
Style	Centrifugal	Centrifugal
Water Consumption (L/hr)	1.8 ~ 2.5	3 ~ 4
Water Capacity (L)	30	35
Dimension (L x W x H) (mm)	540 x 410 x 1115	620 x 440 x 1170
Weight (Kg)	17	23
Effective Area (m <sup>2</sup> )	10 ~ 20	20 ~ 40
Work Electric Current (A)	0.75	1.45

## KF15 / KF35 - SPECIAL FEATURES



New evaporative cooling pad, energy saving and environment friendly.



Large capacity water tank, for longer operating hours.



Optimizing air quality, through silent wind.



Truckle/wheel with brake for easy transport.



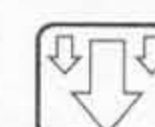
Tri-dimension circle wind, more comfortable.



Micro-computer Programme Control, Clear and Luxury LCD Panel.



Time setting function,



More evident dropping temperature and increasing humidity effect.



More convenient with remote controller



Unattached function, keeping humid off, feel fresh in dry weather.



3 Levels Wind Speed (Low, Med & High)



Equipped with IONIZER, releases fresh air.



3 Modes (Normal, Sleep and Breeze)



## KF15 / KF35 - ADDED FEATURES



The Evaporative Air Cooler has these added advantages and other special features:

1. Specially designed powerful blade and water-proof fan motor.
2. With thicker and bigger cooling pad, for better heat absorption.
3. Multi-layered congruent wave and fiber cooling pad, makes the water cold.
4. With other special construction and styrofoam for maintaining and processing coolness.
5. Equipped with Nano Processor to eliminate bacteria and unwanted Odors.

## KF15 / KF35 - IMPORTANT REMINDERS



Before using the machine, please read the guide book carefully and operate according to the instructions.

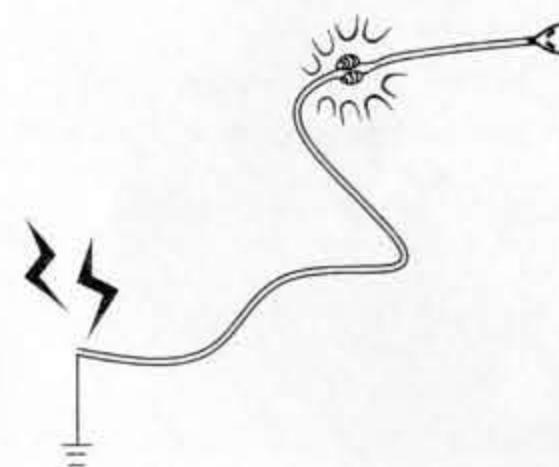
- A. Use the machine in the following condition:
  - Temperature: 18°C~45°C
  - Water Temperature: <45°C
  - Electric voltage must not exceed the required volt (+/-) 5%
  - No Pollution of surrounding.
- B. The circuit of the machine must be properly connected and protected to prevent mouse bites. Trampled or over-stretched, which may cause short circuits. Using wrong electric voltage or wrong socket will cause danger of electric shock.
- C. Do not use wrong circuit or other wire metal made of other materials which may cause machine malfunction or explosion.
- D. If the product is not operating well or may have unusual malfunction, please inform the distributor or dealer where you bought the unit.

## KF15 / KF35 - CAUTION

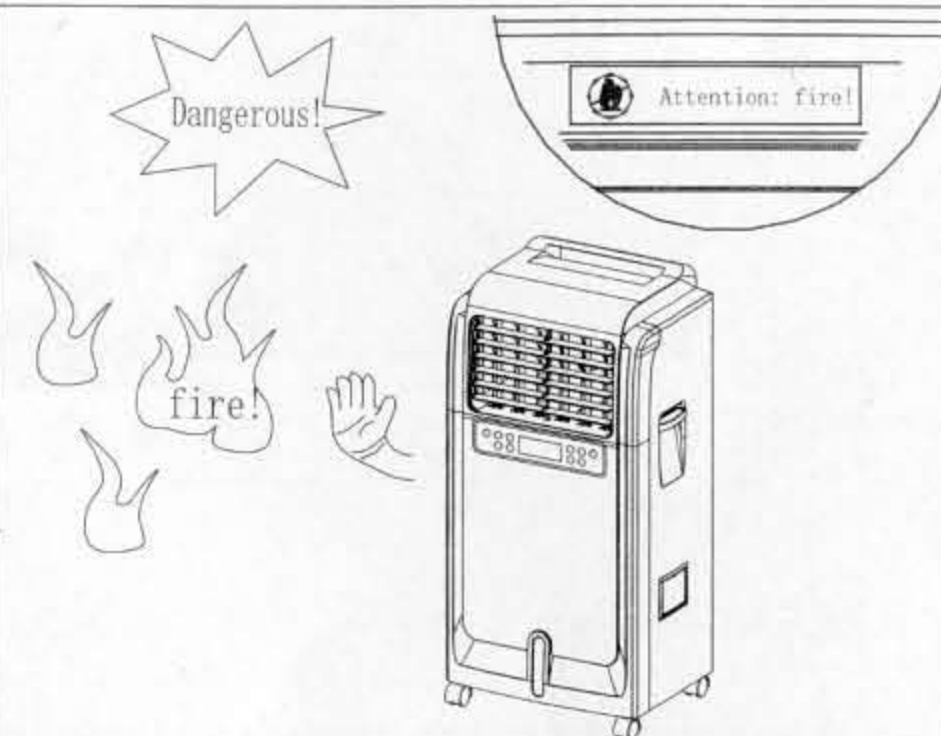


Use it in the following conditions:

- a) Environment temperature: 18°C~45°C;
- b) Environment relative humidity: ≤85%
- c) The supplied water should be softened and its temperature ≤45°C; and water
- d) The voltage error is limited at ±5% of the rated voltage.



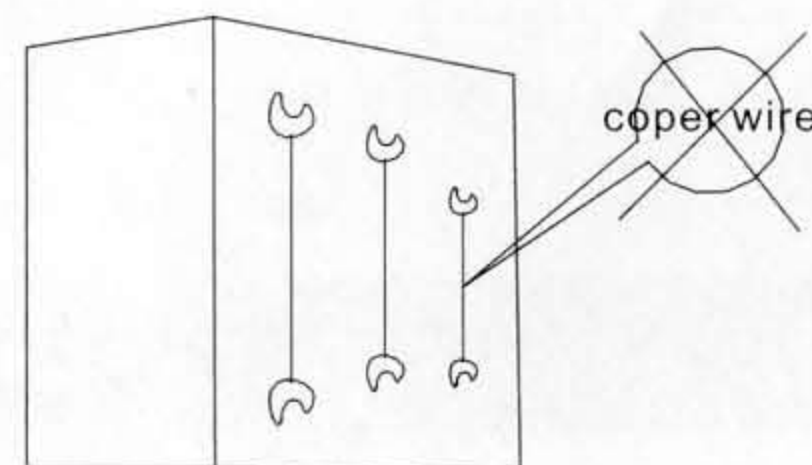
The wiring should be correct and solid to prevent any damage by mouse. And avoid heavy impact, stretch, and changing the power supply or control wire randomly are not allowed.



Keep away from fire during transportation installation and operation.



If abnormality occurred during operation, contact us or our distributor.



Don't use wrong fuse or other line as it may caused malfunction on the unit and fire accident may happen.



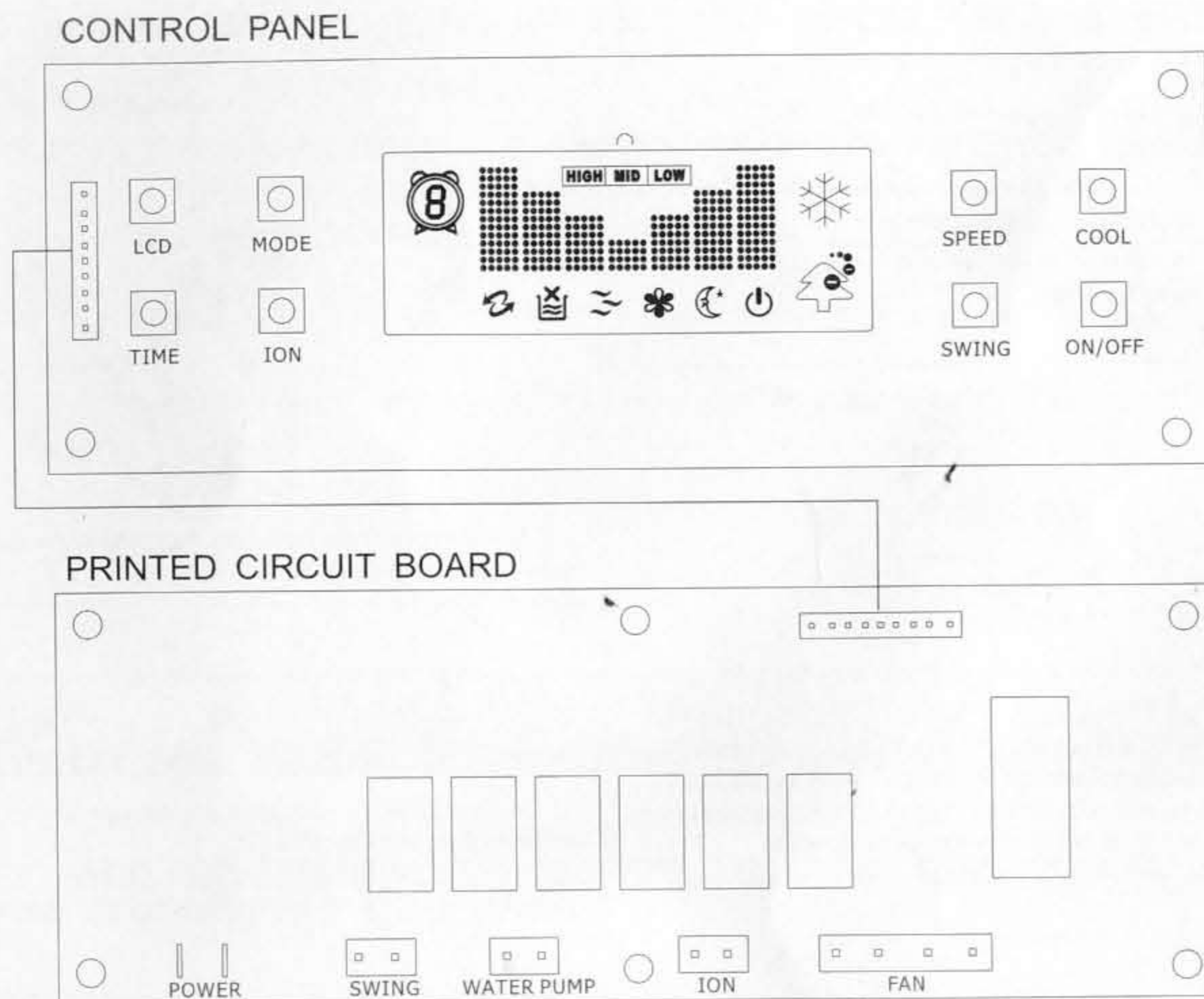
### WARNING:

Users must pay enough attention to the above items, otherwise, if any fortuitous accident occurred, our company shall not be held liable or responsible.

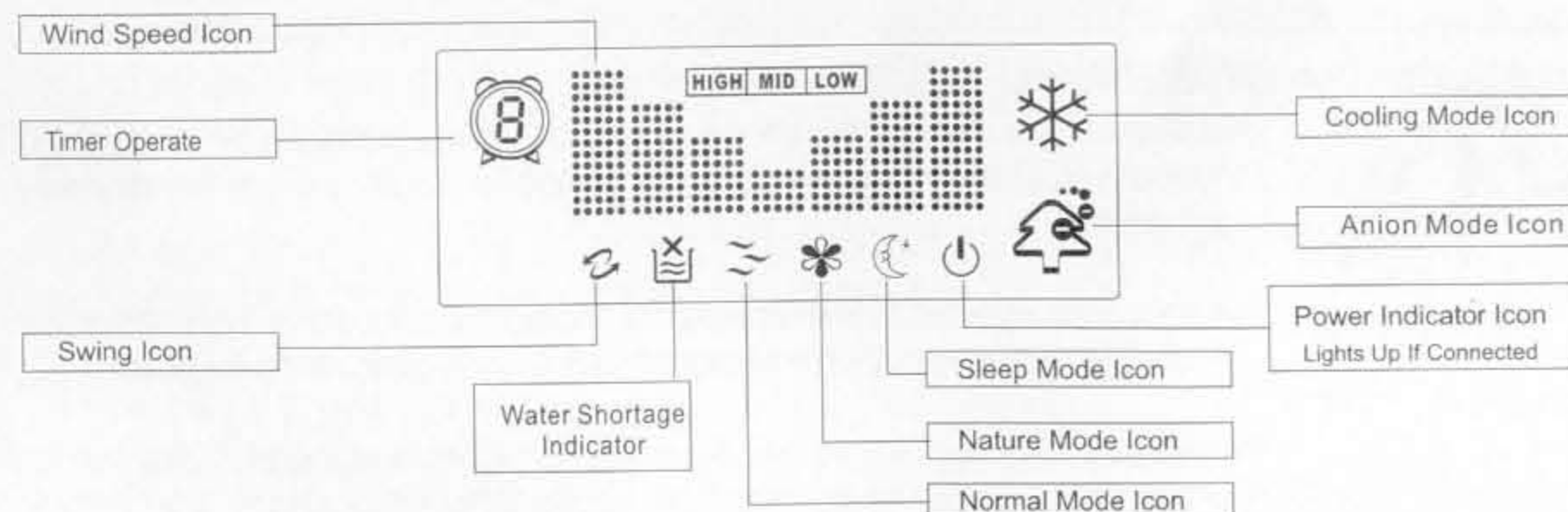
The manufacturer is not responsible for problems caused by non-compliance with above measures and for repairs made by un-authorized technicians.

Please use the machine in accordance to the instruction of the guide book. Any incorrect use causing the unit to malfunction, the supplier/dealer will not be held responsible.

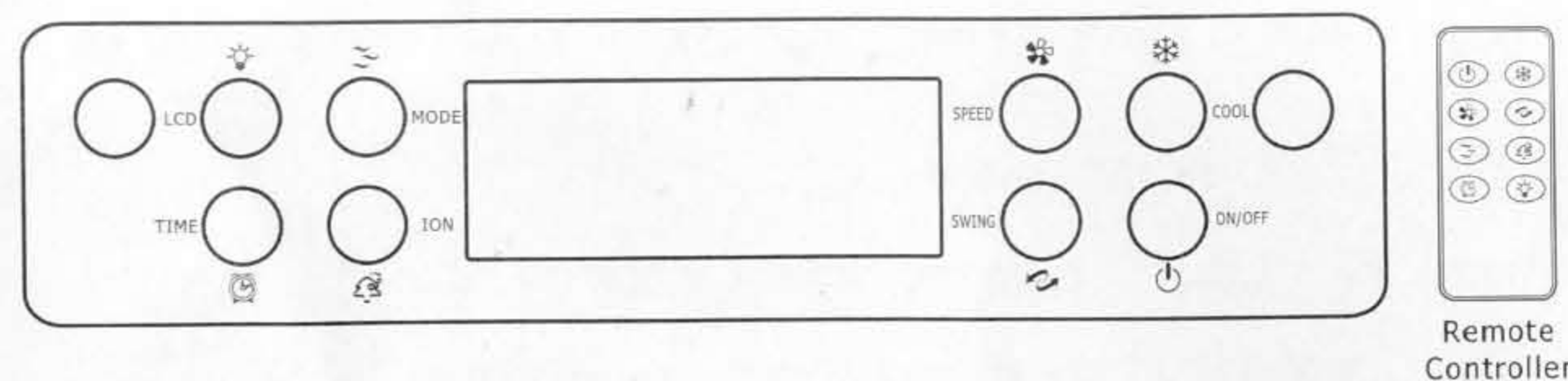




## KF15 / KF35 - DISPLAY DIAGRAM



## KF15 / KF35 - CONTROL FUNCTIONS



ON/OFF - Press to turn the unit "ON or OFF"

COOL - Press to turn the Cool function "ON or OFF". Pressing repeatedly also Cycles to different functions.

SPEED - Press to select desired fan speed (Low, Med, High)

SWING - Press to turn Swing function "ON or OFF"

MODE - Press to turn Normal, Nature or Sleep Mode function "ON or OFF"

- \* NORMAL Mode - Fan Speed can be set manually
- \* Nature Mode - Fan Speed automatically adjusts from "HIGH", "MED" and "LOW"
- \* SLEEP Mode - When setting mode "SLEEP" from "HIGH" fan speed, after 0.5 hour the machine run on "MID" fan speed. And after 0.5 hour again. It always keeps on "LOW" fan speed without changing the fan speed.

ION - Press to turn Anion Air-Cleaner function "ON or OFF"

TIME - Timer









LCD - ①Connect the power supply, Lcd light for 30 seconds, and then off.  
②Except the lcd button, press other button to light for 30 seconds, and the off.  
③When lcd lights. Press lcd button, it is off. When lamp is off, press lamp button. It is on.

## KF15 / KF35 - CONTROL FUNCTIONS

### 1. Add water

- Clean water must be used.
- Pour water on the left side (water inlet) of the unit slowly to avoid water spillage and prevent the risk of electric shock. .
- Fill up to "MAX" level only as it may overflow.

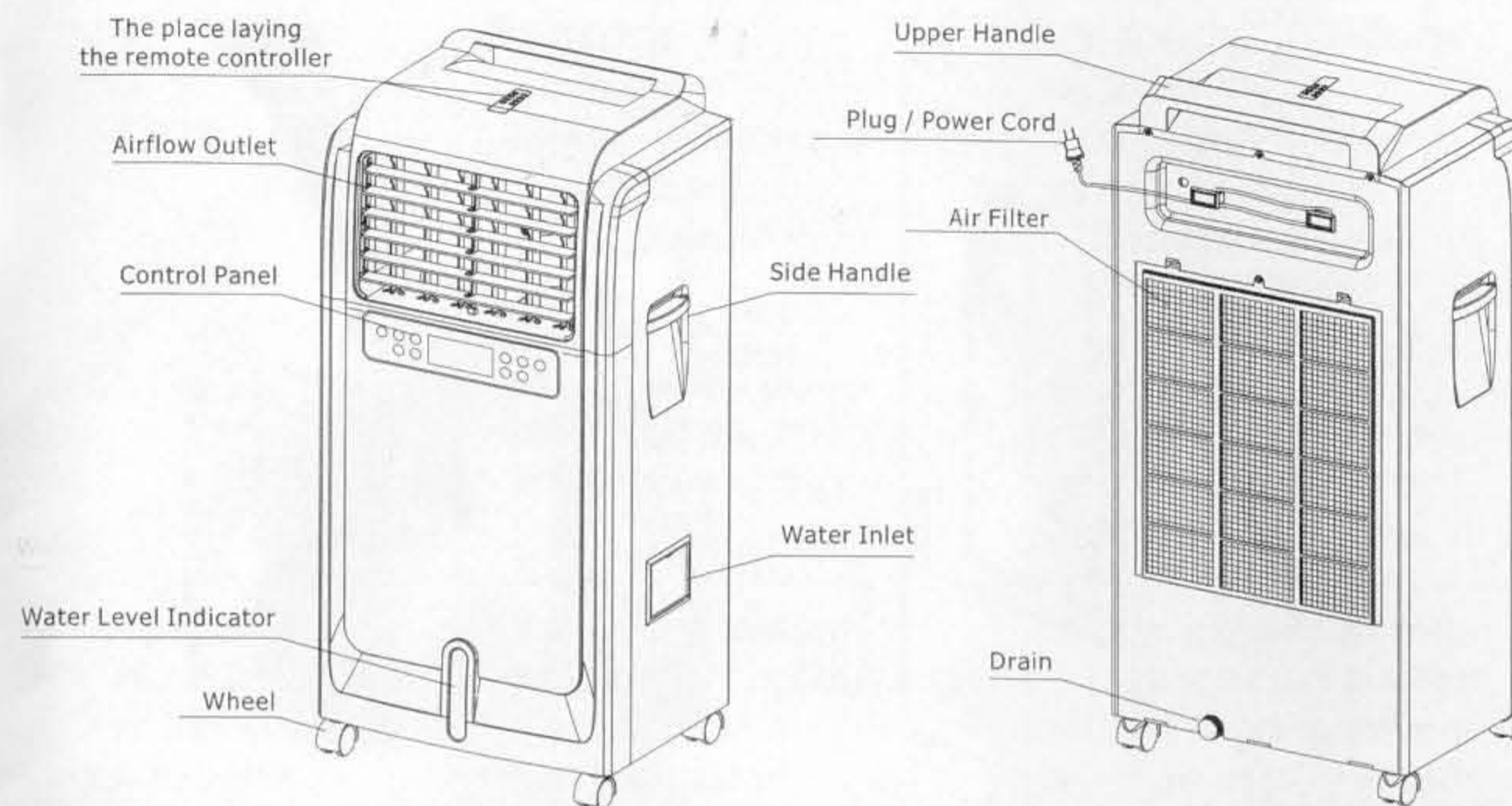


2. Plug the unit (220volts/60Hertz, Single Phase) power indicator icon will light up
3. Press  "ON/OFF" switch.
4. Press  "COOL" button to activate cooling function.
5. Press  "SPEED" for desired speed (Low, Medium, High)
6. Press  "SWING" if desired.
7. Press  ANION to activate air-cleaning (ionizing) function.
8. Press  "MODE" button to toggle between NORMAL mode, NATURE mode and SLEEP mode. **NORMAL mode** (Fan Speed can be set manually to Low, Med or High); **NATURE mode** (Fan speed automatically adjusts random from "MED" and "LOW".) And **SLEEP mode** (When setting mode "SLEEP" from "HIGH" fan speed, after 0.5 hour the machine run on "MID" fac speed. And after 0.5 hour again. It always keeps on "LOW" fan speed without changing the fan speed.)
9. Press  TIMER to activate timer function.
10. Press  LCD to activate lcd function.
  - ①Connect the power supply, Lcd light for 30 seconds, and then off.
  - ②Except the lcd button, press other button to light for 30 seconds , and the off.
  - ③When lcd lights. Press lcd button, it is off. When lcd is off, press lcd button. It is on.

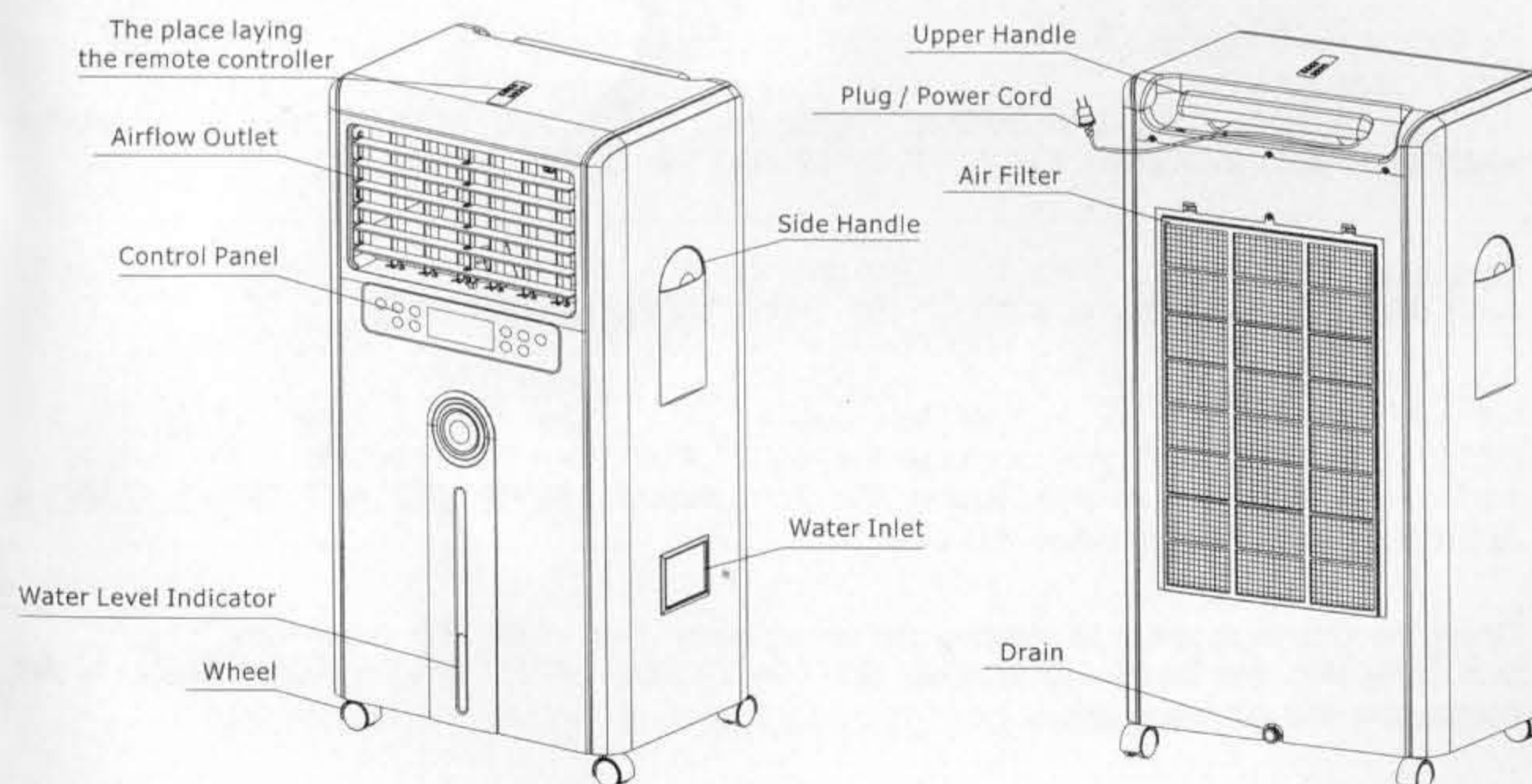


## WARNING:

1. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
2. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
3. Children should be supervised to ensure that they do not play with the appliance.

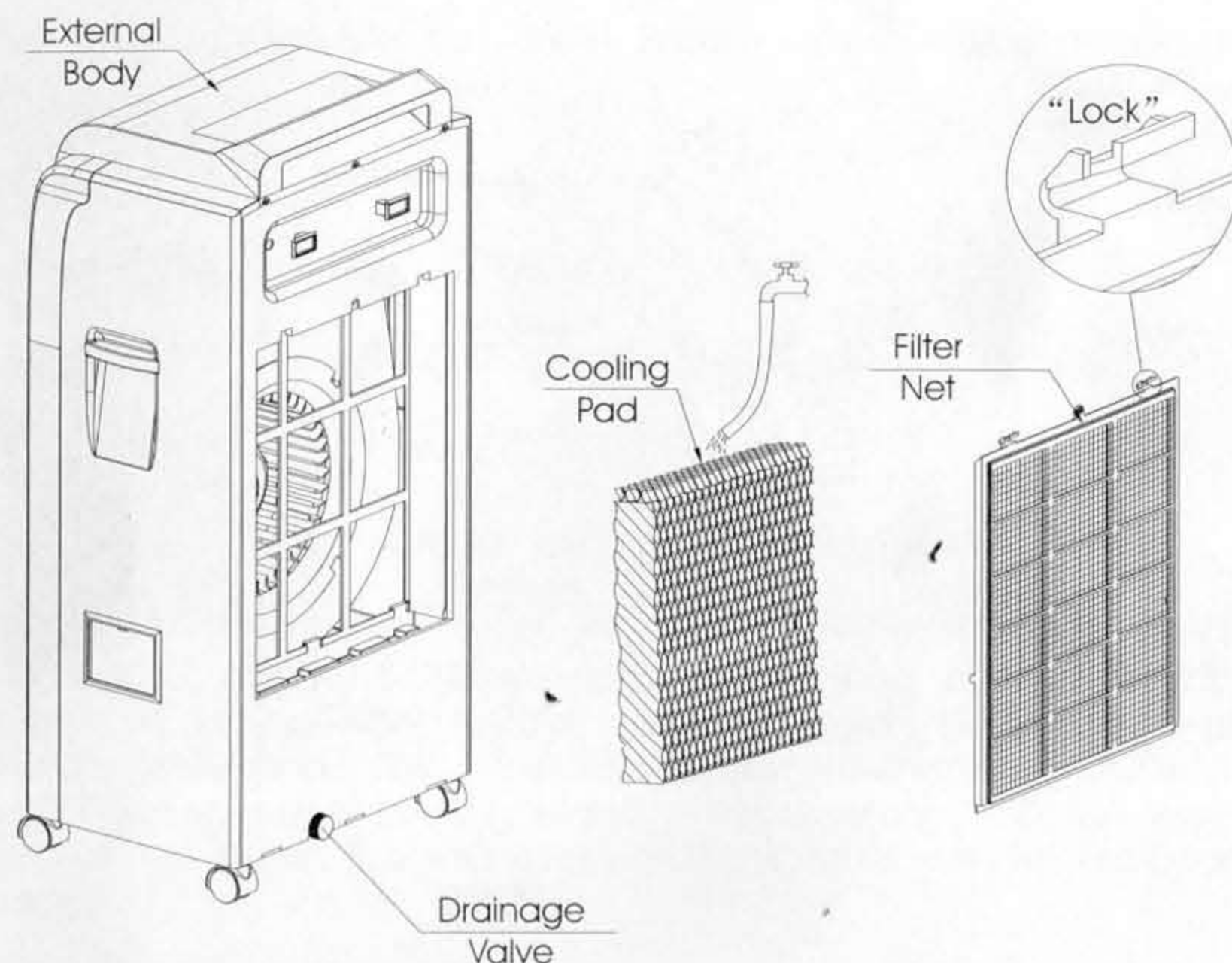


KF15



KF35





## NOTE:

TO ENSURE THE UNIT RELEASES FRESH AND CLEAN AIR, ALWAYS CHANGE THE WATER WHEN DIRTY AND REGULARLY CLEAN THE FILTER AND THE COOLING PAD.

1. Remove the Filter Net by removing the screw then press the lock. Rinse under running water to wash-off dirt. **NEVER USE PRESSURIZED WATER.**
2. Pull-out the Cooling Pad. Wash the cooling pad under running water but **NEVER USE PRESSURIZED WATER** as it may damage the pad. Wash from the inner-side to the outside of pad (inner side is the side facing the fan motor). **NEVER USE ANY LIQUID CLEANER DETERGENT** as it may damage the pad.
3. Open the drainage valve to remove remaining water then clean the water tank thoroughly with soft cloth to remove dirt. Also, wash off dirt on the water sensor, water pump and the drainage valve.
4. Use mild soap and soft clean cloth in cleaning the outer body/chassis, **USE OF STRONG CHEMICALS THAT MAY CAUSE DAMAGE TO THE BODY IS NOT ADVISABLE.**

Malfunction	Reasons	Remedy/Solutions
- The indicator doesn't light	<ul style="list-style-type: none"> <li>- No Power</li> <li>- Master Control goes wrong</li> <li>- Fuse is burnt</li> <li>- Panel goes wrong</li> </ul>	<ul style="list-style-type: none"> <li>- Check the circuit</li> <li>- Change the master control board</li> <li>- Change the fuse</li> <li>- Change the panel</li> </ul>
- Out of Control	<ul style="list-style-type: none"> <li>- Interfered by power</li> <li>- Interfered by environment</li> <li>- Panel goes wrong</li> </ul>	<ul style="list-style-type: none"> <li>- Power Off</li> <li>- Remove or keep away from interference</li> <li>- Change the panel</li> </ul>
- Display is normal but without wind or the wind speed is too low	<ul style="list-style-type: none"> <li>- The fan gets stuck</li> <li>- Water screen or dust-net is blocked</li> <li>- Fan is distorted</li> <li>- Master control board goes wrong</li> </ul>	<ul style="list-style-type: none"> <li>- Check the machine fixing hoop and fan</li> <li>- Clean/change water screen or dust-net</li> <li>- Change fan</li> <li>- Change the master control board</li> </ul>
- The Motor is out of control	<ul style="list-style-type: none"> <li>- Master control board goes wrong</li> <li>- Panel goes wrong</li> </ul>	<ul style="list-style-type: none"> <li>- Change the master control board</li> <li>- Change the panel</li> </ul>
- Water leak at draining valve	<ul style="list-style-type: none"> <li>- Induction valve is damage</li> <li>- Draining valve is damage</li> <li>- Master control board goes wrong</li> </ul>	<ul style="list-style-type: none"> <li>- Change the induction valve</li> <li>- Change the draining valve</li> <li>- Change the master control board</li> </ul>

**NOTE:** This instructional chart is for reference purposes only. If any technical assistance is needed, please call distributor's office for service/repair.

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