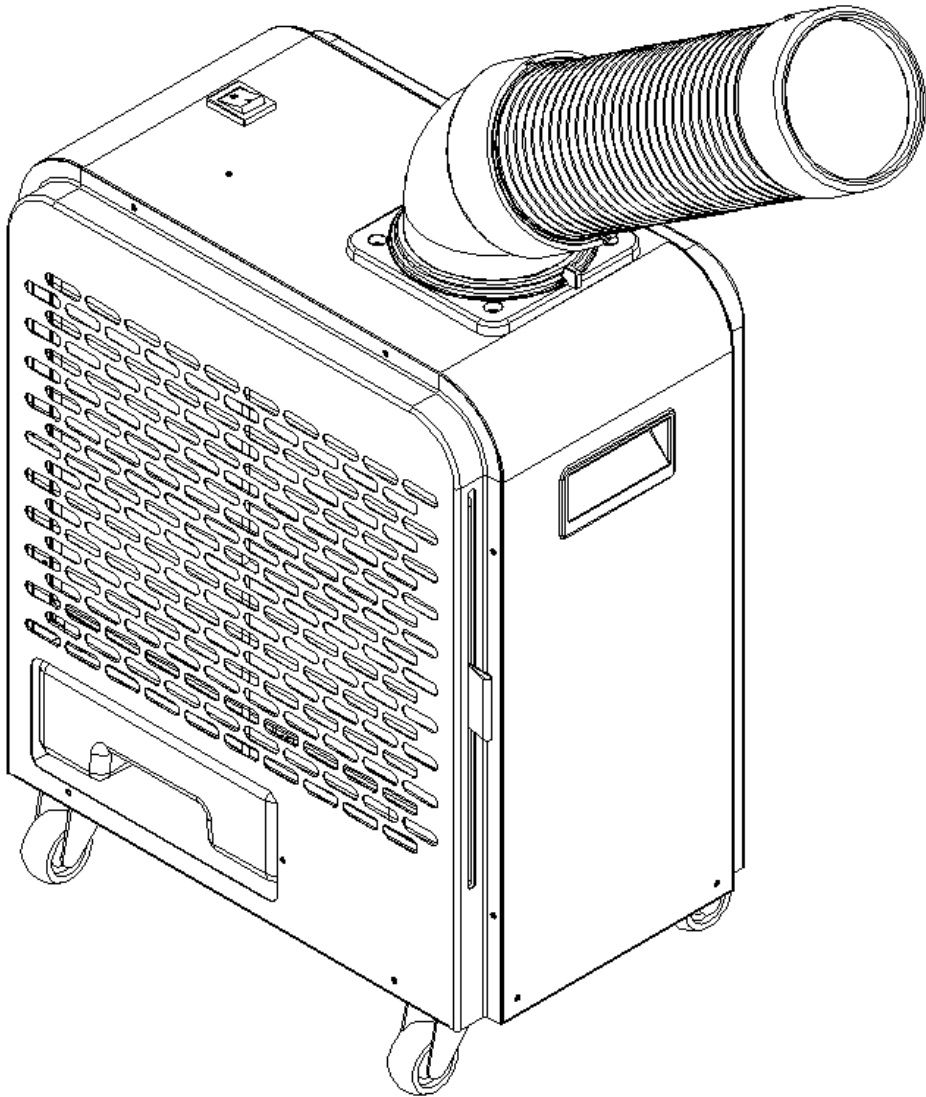




# User Manual

Model: AC 20








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# I. Safety Signs and Precautions

- Meaning and identification of signs
- Please read the safety signs and precautions carefully before using the machine.

 <b>Danger</b>	Incorrect use while ignoring this sign may cause physical injury, fire or other property losses.
 <b>Warning</b>	Incorrect use while ignoring this sign may cause physical injury, fire or other property losses.
 <b>Forbidden</b>	This sign indicates actions that are forbidden.
 <b>Constraint</b>	This sign indicates constraint and instruction.
 <b>Attention</b>	This sign indicates notice must be taken.

Matters prompted in the following column may possibly have severe consequences due to differing situations.

All records are important. Please read them carefully and observe.

	<p>If the supply cord is damaged, it must be replaced by an electrician or are available from the manufacturer or its service agents.</p>
	<p>This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are under direct supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.</p>
	<p>Children are not to play with the appliance.</p>
	<p>Cleaning and user maintenance should not be done by children without strict supervision.</p>
	<p>This appliance is intended to be used by trained users in shops, light industry, farms or for commercial use.</p>



Disconnect the appliance from its power source during service and when replacing parts.



Please do not use the appliance in places that use or store volatile substances (diluent, gasoline, kerosene, liquefied gas and other volatile liquids; magnesium, aluminum, lead and other volatile dusts and vapors) to avoid possible ignition, explosion, fire and incidents.



Please do not remold for use, which may lead to machine breakdown or even fire, etc.










Except for professional maintenance personnel, other personnel are not allowed to assemble or disassemble to avoid fire, electrocution, injury and other safety accidents.

If repair is needed, please contact the after-sales service department at the place of purchase.



Please do not use it in places with rain, snow or near water. Do not operate with wet hands.

	<p>Please use the appliance with <b>220-240V~ 50Hz</b> power supply. Otherwise this may cause machine breakdown or a safety accident.</p>
	<p>Please use a separate socket of <b>10A</b> rated current. Using the appliance with other electrical appliances (double adapters or power boards) may cause an electrical issue.</p>
	<p>Please do assign professionals to operate according to equipment standard and wiring upon installation; Otherwise this may cause a safety accident.</p>
	<p>Please do not use near a hot or fire source to avoid deformation of machine.</p>
	<p>Please equip safe and reliable ground lead and use leakage protector.</p>
	<p>Please use it in specified range of <b>20°C~43°C</b>; otherwise there may be machine breakdown.</p>
	<p>Do not move appliance when the machine is running and the brake of trundle is set to locked status.</p>

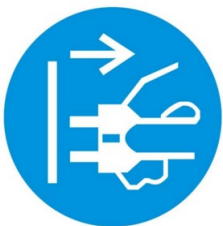


Please immediately stop using it in case of error (stopped rotation, strange noise, improper vibration and unusual odor).

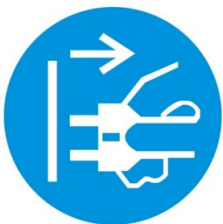


To prevent disaster and damage, the appliance should not be used in the following places:

- Vibrating floor
- Gradient floor
- Stairway, emergency exit and house exit and entrance, etc.
- Place with unstable articles piled around it
- Windy and moist place or place with floating metal powder



Please grip the electrical plug when pulling it out of the socket instead of pulling the power cord itself. Otherwise it may damage the plug, or cause physical damage.



Please pull the power plug out of the power socket if the machine is not to be used for a long time.



To prevent electrocution, please pull the power plug out of the socket upon installation and maintenance.



Please use dry and clean cloth to rub down the dust on power plug regularly. A dusty or moist plug may cause poor contact or electric leakage, leading to a safety accident.



Do not haphazardly bend, drag, twist, pinch or change the power cord. Do not overload the power cord. Otherwise there may be fire, electrocution and other accidents.



Please do not use the appliance as a cooler for a boat or vehicle, etc. Otherwise this may cause a safety accident.



Please do not stick finger or hand in the vent.

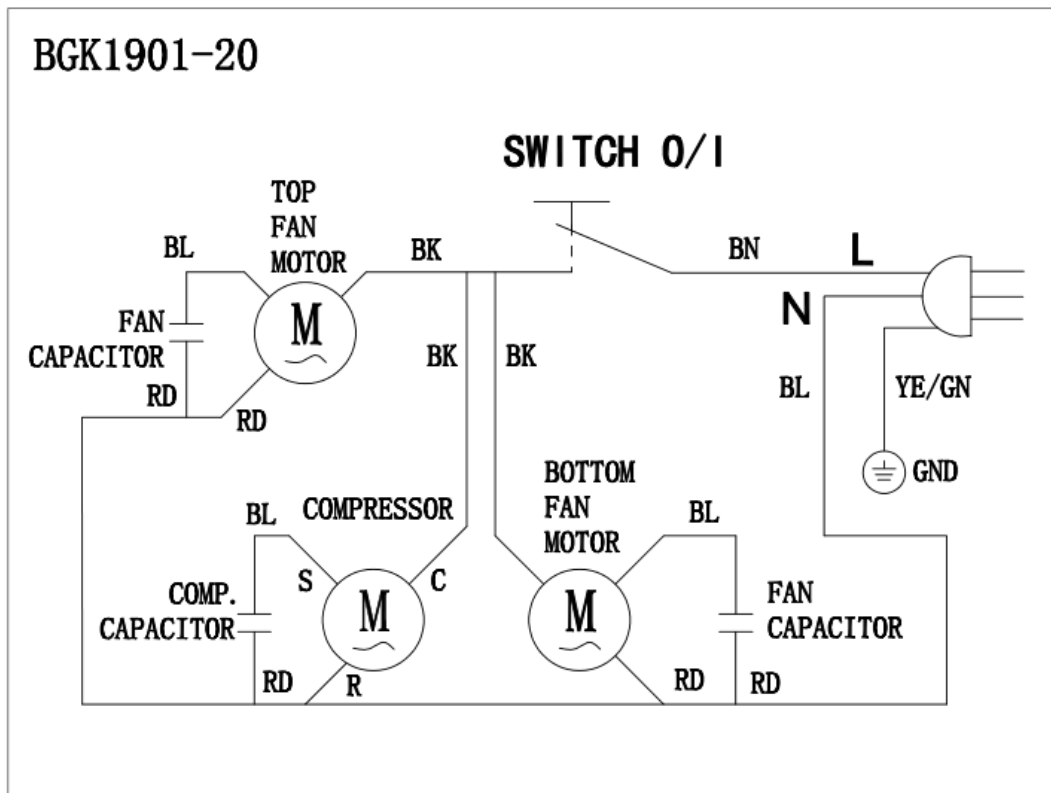


## II. Technical Parameters

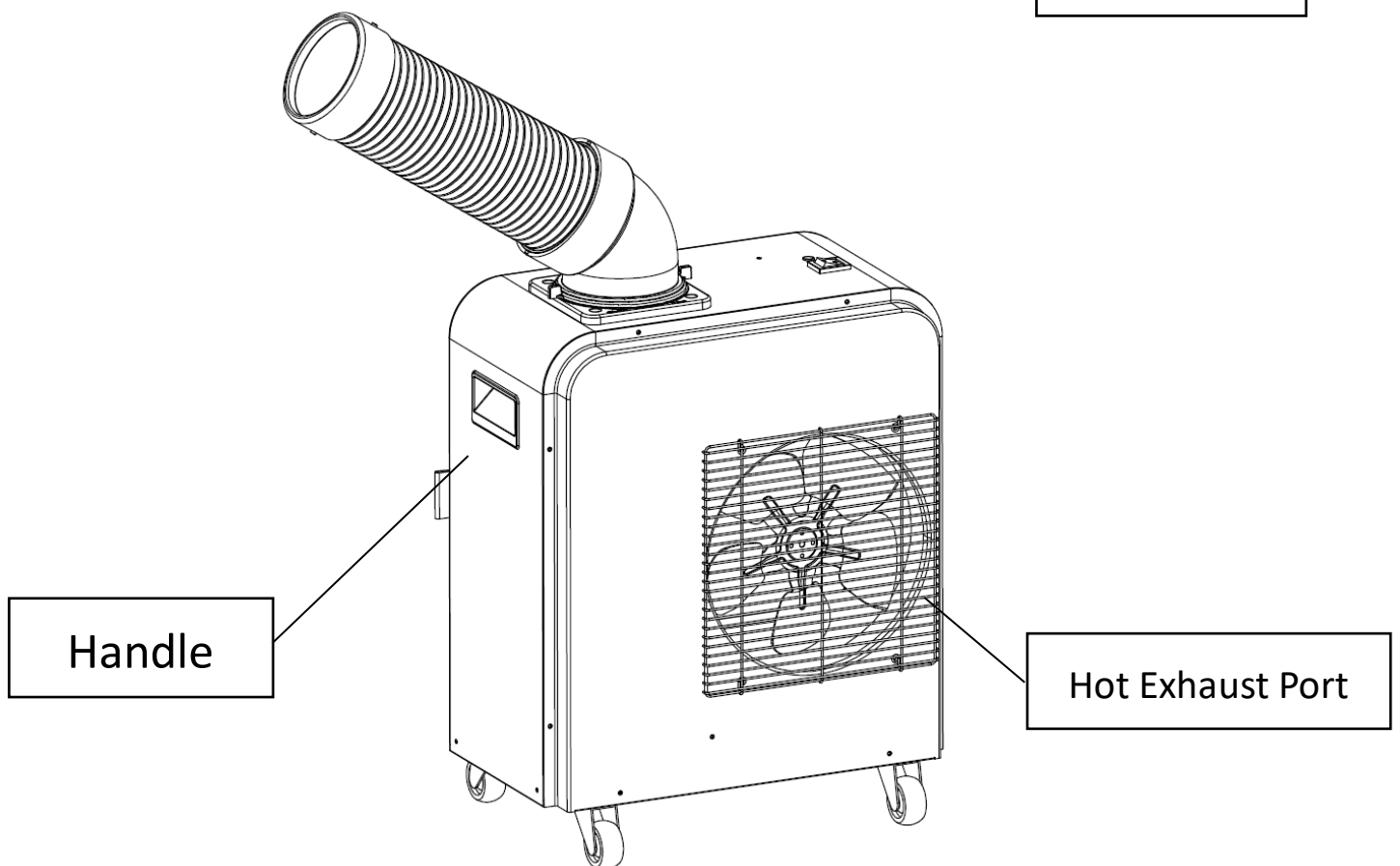
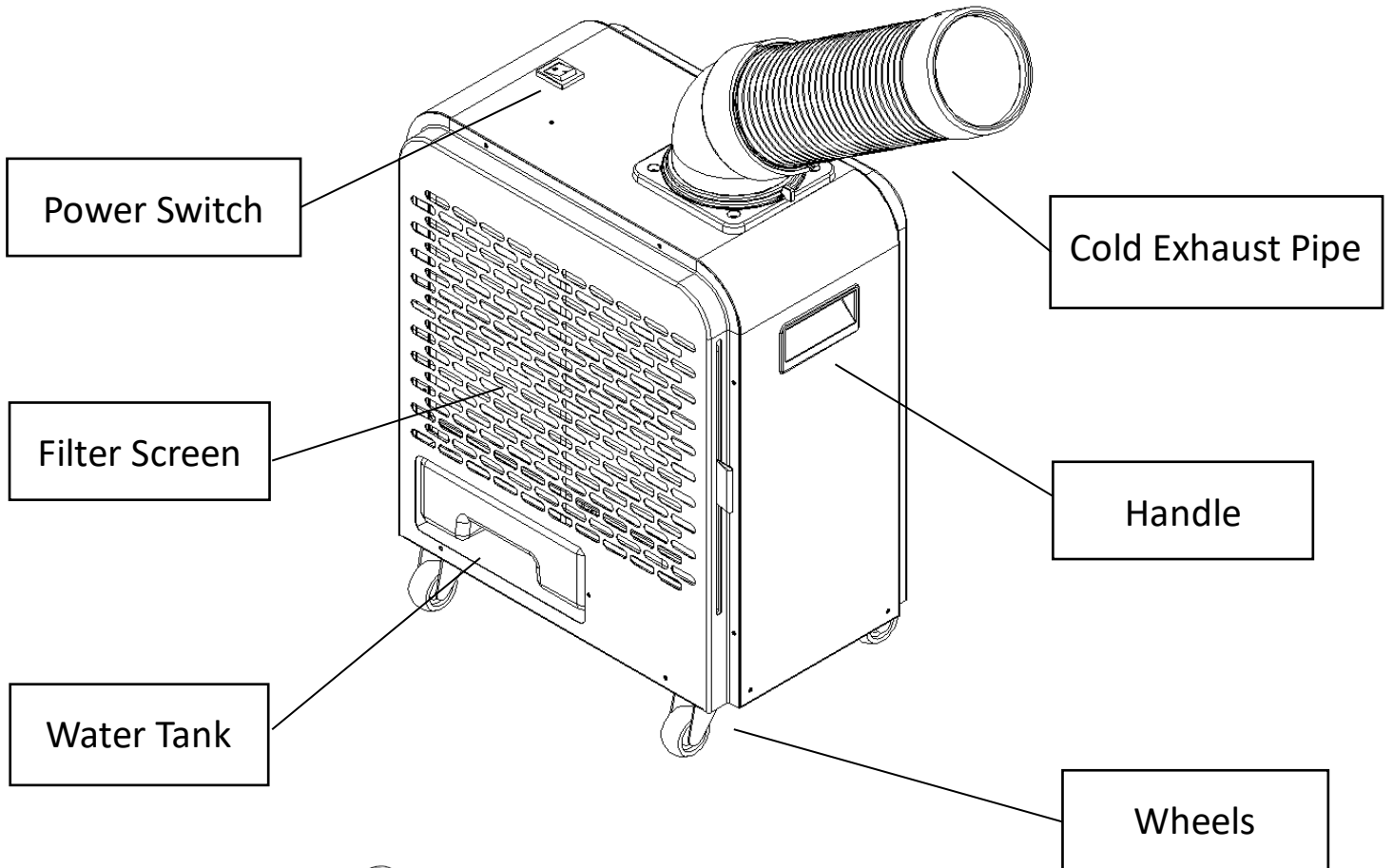
Model	AC-20
Power	220-240V/50Hz
Refrigerating Capacity	2000W
Rated Power	700W
Rated Current	3.2A
Blast Capacity	950W
Working Pressure on Suction/Exhaust Side	4.3A
Max Working Pressure of Heat Exchanger	230m <sup>3</sup> /h
Refrigerant/Charge Quantity	2.0/4.5MPa
Service Environment	4.5MPa
Net Weight	R410a/330g
Gross Weight	20°C~43°C
Product Dimension	25.5kg

# III. Electrical Schematic Diagram

Model: BGK1901-20 Elementary Wiring Diagram



## IV. Product Layout



## V. Installation Method

Installation of the Cooling Exhaust Pipe:

1. Point the base of the elbow to the dent of the detachable elbow base on the machine, insert it in and rotate it anticlockwise. Click the elbow in to place as shown in Fig. 1.
2. Point the turning end of the cold exhaust pipe to the dent of the cold exhaust pipe, insert it in and rotate it to the left to click it in to place as shown in Fig. 1.

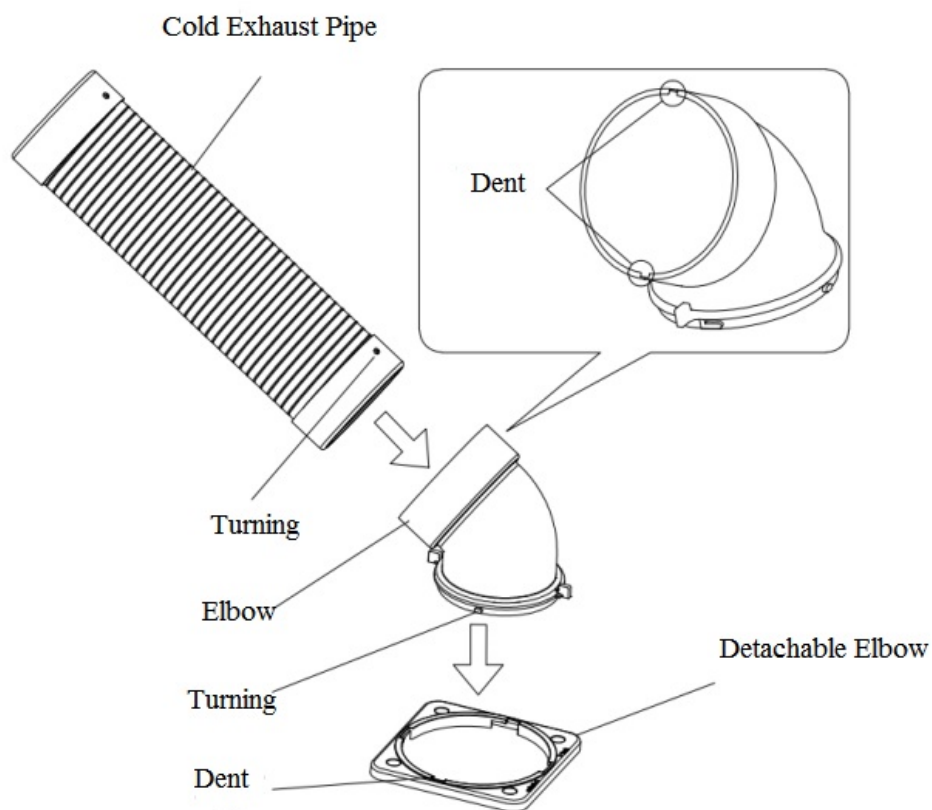


FIGURE 1

## VI. Operating Instructions

1. Press the power switch to the "I" position on the top part of the machine to turn on. The compressor will immediately start at the same time start the fan.
2. Press the power switch to the "O" position to turn the machine off.

### \*\* NOTE \*\*

1. The Air Conditioner cannot be started immediately after the machine is switched off. Please wait for 3 minutes before starting again.
2. Please turn off the Air Conditioner, then turn off the power before moving the machine.

- Compressor overheat protection

1. The compressor can become overheated and/or overloaded due too excessive or low voltage and high ambient temperatures. In order to protect the compressor, the overload protector will operate and cut off the power if a problem is detected.
2. If the Air Conditioner is restarted immediately after the machine is turned off, it will also cause compressor current overload protection to be activated.

### \*\* NOTE \*\*

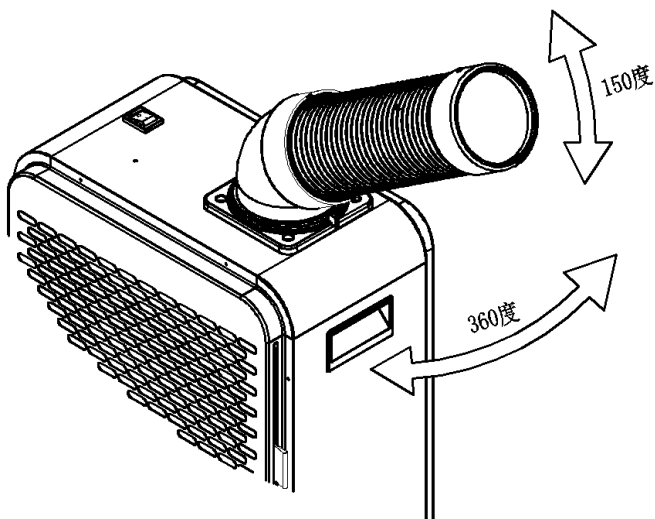
When the overload protection device is activated, the machine only shuts off the compressor but still runs the fan. If the thermal overload protection is frequently activated, please find and eliminate the cause before using the machine.

- Adjustment range and operation of the air direction

The cold air duct can rotate around 360 degrees. The cold air duct can be moved up and down by about 150 degrees.

**\*\* NOTE \*\***

When adjusting the air outlet angle of the cold air duct, please hold the elbow while adjusting.



## VII. Water Tank

When the water level in the water tank is about 2.5cm from the top of the water tank, please turn off the appliance first, then pull out the water tank. Empty the tank, re-install it and wait for the shutdown time of 3 minutes before restarting again.

The humidity affects how quickly the tank will fill. If the humidity is high, the tank will need to be emptied more often than in a drier setting.

### **Attention:**

Please do not move the machine when the water is full. Pour the water out before moving it.

## VIII Requirements of the use of the machine

- When using the machine, the air inlet and the cold air duct should be more than 30cm away from a wall or solid surface. The hot air outlet should be more than 80cm away from a wall or solid surface.
- The machine should be placed on a flat surface. It should not be used on slopes, uneven floors, house entrances and exits, etc., to avoid a safety accident.
- It is forbidden to use the appliance in wet areas such as in the rain and snow or around water in general.
- Do not place obstacles in the front of the air inlet, cold air duct and hot air exhaust.



## IX. Maintenance and Check

- Please clean the filter screen on a regular basis. Dust and dirt on the filter screen may affect the air supply and cause frosting of the heat exchanger, leading to a machine breakdown.
- For filter screen cleaning, please use a vacuum cleaner to suck the dust out of the filter screen and then use clean water to wash it. Use it again when it is completely dry.

**ATTENTION:** When cleaning machine surfaces, please do not use diluents, volatile oil, drugs and other articles that may damage the surfaces.

- Please check if the power line is broken. If so, replace it immediately.
- Please check if any screw is loose. If so, screw it tight.
- Before long-term shut-down of machine, please check the water in the tank and make sure it's emptied out.
- Please do not place the machine horizontally or upside down.
- Avoid storing the machine in places of high temperature, rain or direct sunlight.

## X. Fault Cause and Countermeasure

- If the Air Conditioner fails, please immediately cut the power off and pull the power plug out from the socket and check the following:

Fault	Cause Analysis	Troubleshooting
Out-of-Operation	If the power plug is loose or falls out of the socket	Please insert the power plug firmly in the power socket
	Fuse is burnt	Ask professional to replace the fuse or check safety switches
Out-of-Refrigeration	Heat exchanger surface is blocked by filth	Clean heat exchanger surface to ventilate it to give off heat
	Hot exhaust blower fails	Repair or replace hot exhaust blower
	External temperature is too high	Please use it in proper place
	Compressor capacitor is damaged	Replace compressor capacitor
	Refrigerating system pipeline is clogged	Replace pipeline system
	Overly high or low input voltage	Please choose proper voltage
	Compressor overheats and overload protection fails	Restart after cooling
	Compressor motor fails	Repair or replace compressor
Water Leakage	Drain pipe opening is clogged	Dredge drain pipe
	Water tank position is not in place	Reset it
	Filter screen has dust and filth	Please clean filter screen
	Water tank is full	Pour water out in a timely manner

## XI. Correct Disposal of this product



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.