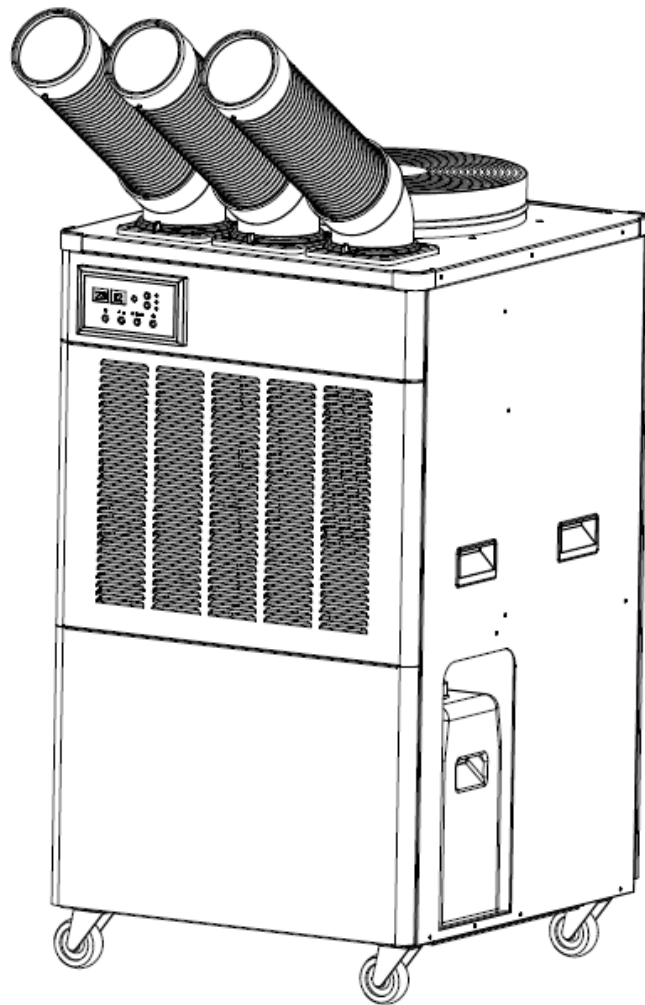


# LAVOR

*SIMPLY STRONGER*

## User Manual

Model: AC 71



Thank you very much for choosing the product of this brand! In order to use this product safely, correctly and efficiently, please read this manual

carefully and keep it properly!

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# 1. Safety Signs and Precautions








- Meanings and Identification of signs
- Please read the safety signs and precautions carefully before use.








 <b>Danger</b>	The mis-operation due to ignoring the sign will cause casualties, fire or property losses.
 <b>Warning</b>	The mis-operation due to ignoring the sign will cause casualties, fire or property losses.
 <b>Ban</b>	This sign indicates the forbidden actions.
 <b>Compulsory</b>	This sign means compulsory contents and instruction.
 <b>Caution</b>	This sign shows that the contents should be attended.

The items indicated in the following columns have the potential to lead to significant consequences depending on the circumstances.

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

	<p>Please do not use the spot cooler in the places where the use or storage of volatile substances (such as diluents, gasoline, kerosene, liquefied gas and other volatile liquids, volatile dust and steam of magnesium, aluminum, lead and other metals) in case of ignition, explosion, fire, burn or other dangers.</p>
	<p>Please do not modify it, or it will lead to machine damage and even fire and other dangers.</p>
	<p>Except the maintenance conducted by the professional maintenance personnel, other people are not allowed to disassemble it in order to avoid fire, electric shock, injury and other safety accidents. For repairs, please contact the local after-sales service department.</p>
	<p>Please do not use it in the places with rain water or snow water nor operate it with wet hands.</p>
	<p>Please use 220-240V power supply. The application of power supply other than 220-240V will lead to the damage of the machine and safety accident.</p>
	<p>Please adapt the separate socket with rated current of 16A. The sharing of the socket with other electric appliances is prone to abnormalities.</p>

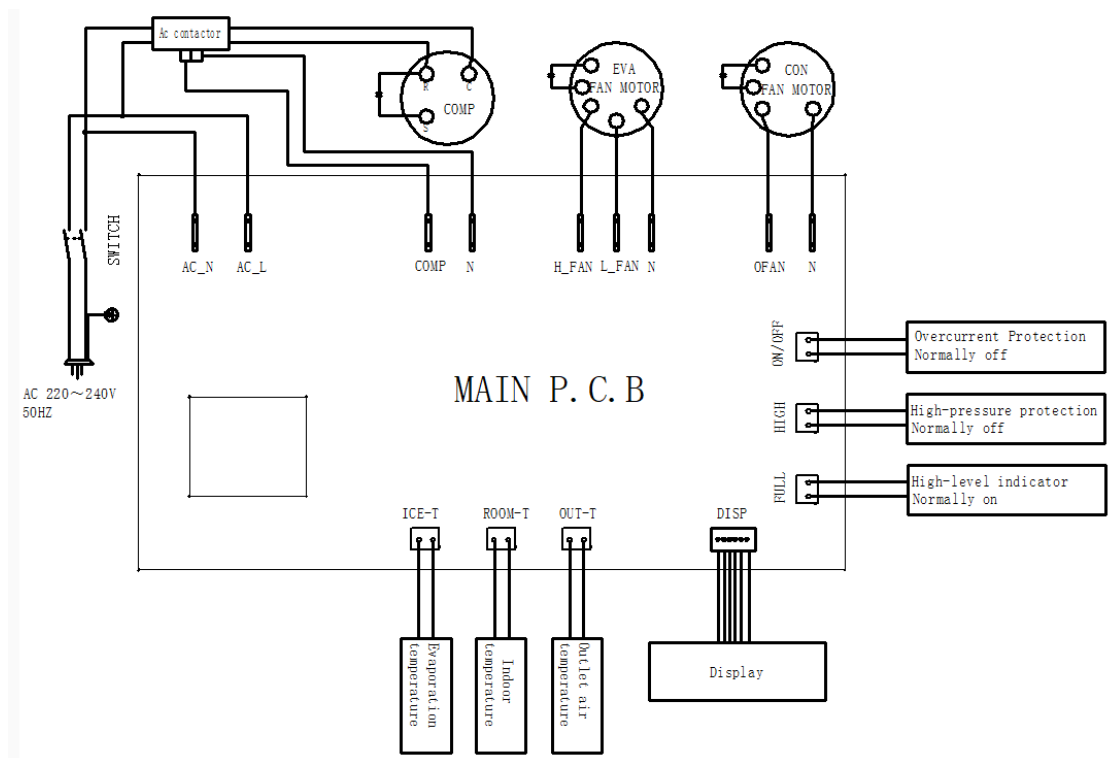
	<p>Electrical installation must be carried out by the professionals in accordance with the equipment standards and wiring requirements, otherwise it will cause safety accidents.</p>
	<p>To prevent deformation of the machine, keep it away from the fire.</p>
	<p>Please equip the machine with a safe and reliable grounding wire and an earth leakage protective device.</p>
	<p>Please use it within the prescribed scope of 18°C ~ 45°C, otherwise it may be easy to cause the machine breakdown</p>
	<p>Do not move the spot cooler when the machine is running. Adjust the brake of the caster in the locked state.</p>
	<p>If there is any abnormality (rotation stop, abnormal sound, vibration or smell), please stop using it immediately.</p>
	<p>In order to prevent disasters and injuries, the spot cooler shall not be used in the following places:</p> <ul style="list-style-type: none"> <li>● Vibrating ground</li> <li>● Sloping ground</li> <li>● Stairs, emergency exits, doors, etc.</li> <li>● Places where unstable objects are piled up</li> <li>● Windy or wet places; places with floating dust or metal powder</li> </ul>

	<p>Please be sure to hold the plug when unplugging the power plug, and do not pull the power line directly. Otherwise, it may do damage to the plug, generate cause spark or cause safety accidents.</p>
	<p>If you do not use the machine for a long time, please remove the power plug from the socket.</p>
	<p>To prevent electric shock, remove the power plug from the socket during installation and maintenance.</p>
	<p>Please use the dry and clean cloth to wipe the dust on the power plug regularly. If there is dust or moisture on the plug, it will lead to poor contact or electric leakage, thus leading to a safety accident.</p>
	<p>Do not bend, pull, twist, clamp, alter or modify the power line. Otherwise, it will cause fire, electric shock and other accidents.</p>
	<p>Do not use it on ships, vehicles and other unintended purposes. Otherwise it will cause a safety accident.</p>
	<p>Please do not put your fingers and hands into the air outlet.</p>

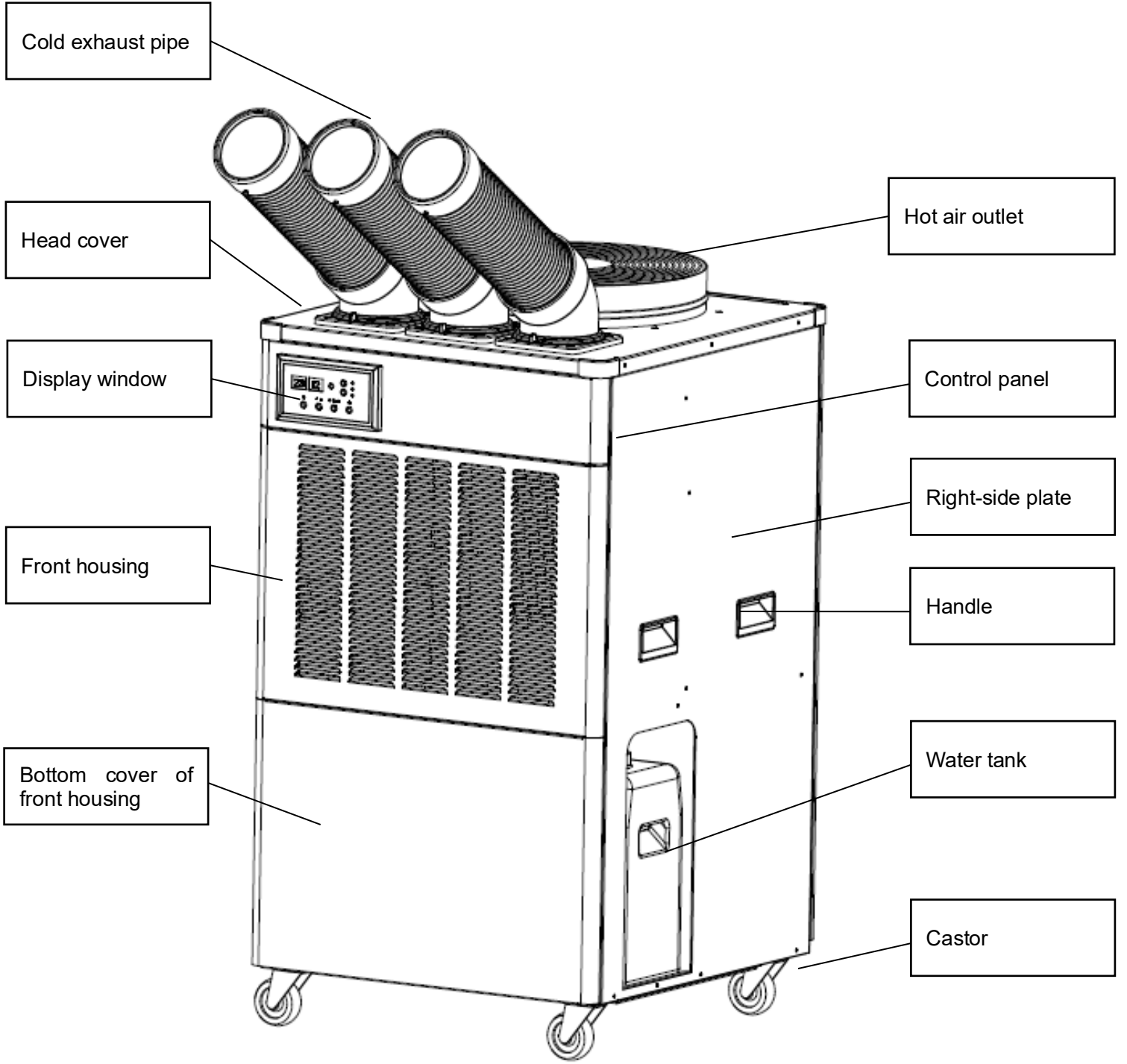
## 2. Technical Parameters

Model	AC 71
Power Supply	220-240V/50Hz
Refrigerating Capacity	7100W
Rated Power	2900W
Rated Current	13.3A
Air Volume	1200m <sup>3</sup> /h
Working Pressure on Suction/Exhaust Side	2.5/4.5MPa
Maximum Working Pressure of Heat Exchanger	4.5MPa
Refrigerant/ Refrigerant Charge	R410a/1150g
Operating Condition	18°C~45°C
Net Weight	105kg
Gross Weight	130kg
Overall Dimensions	615*665*1160mm

## 3. Electrical Schematic Diagram



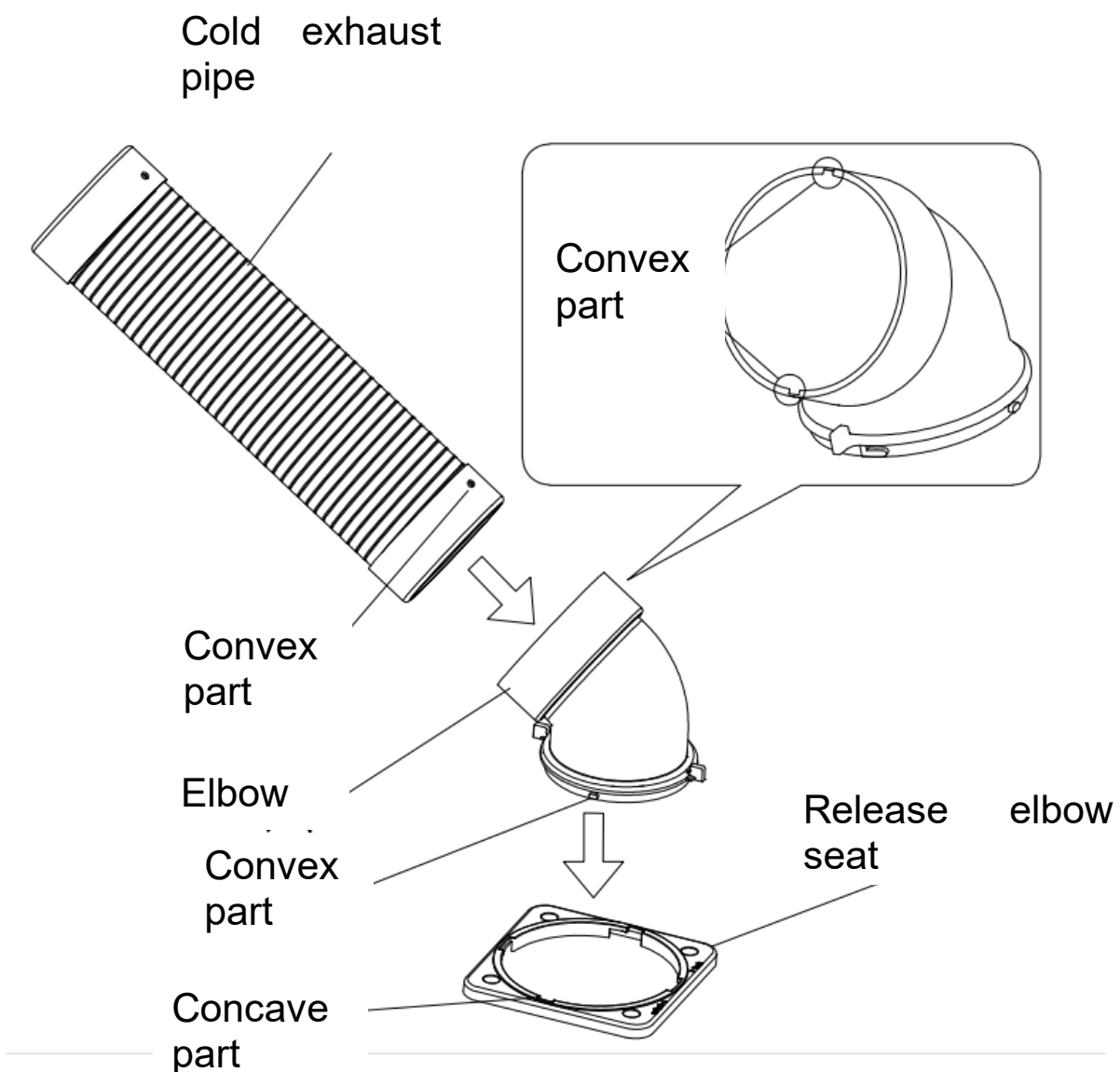
## 4. Production Structure





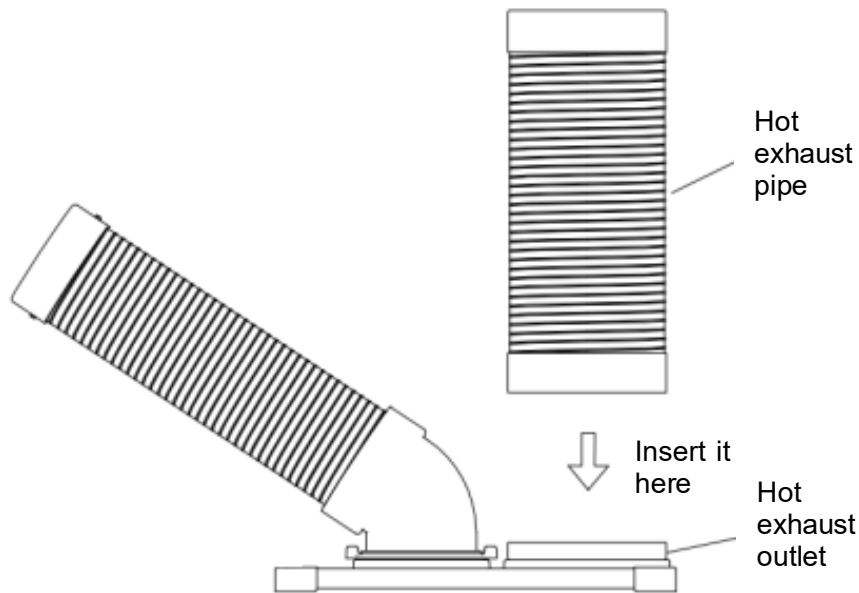
## 5. Installation Method

- Installation method of elbow: Align the convex part of the elbow with the concave part of the release elbow seat installed on the machine, then insert it and rotate it counterclockwise. When you hear a "click", it means that the elbow is installed in place (Figure 1).
- Installation method of cold exhaust pipe: Insert the convex part of the cold exhaust pipe into the concave part of the elbow and rotate it to the left in place (Figure 1).



(Fig.1)

- Installation method of hot exhaust pipe: Insert the hot exhaust pipe into the heat exhaust port and make sure that it shall be installed in place in order to make sure that the hot exhaust pipe is installed stably and firmly (Figure 2).

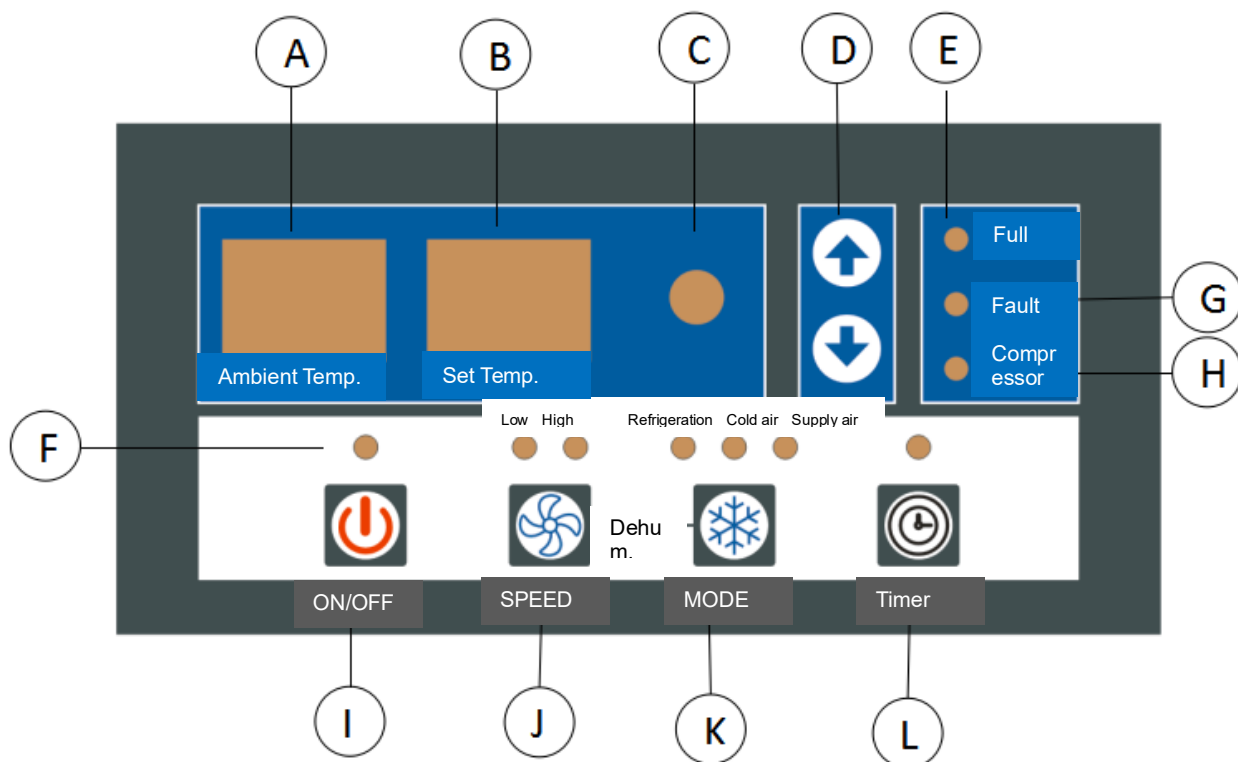


(Fig.2)

- Connection and replacement of power line

Warning: If the line cord is damaged, it must be replaced by a professional from the manufacturer, its maintenance department or similar department to avoid danger.

# 6.Operation Method



- POWER key

Insert the power line into the AC220-240V power supply, turn on the air switch, and then the "I" power button when you hear a sound of "do-mi-sol" and the power indicator light is on; at the moment, the machine enters the refrigeration mode, the "Refrigeration" indicator light is on; the compressor works and the compressor indicator light "H" is on; and the fan runs. When you press the power button again, the machine shuts down.

- MODE key

This machine has four modes: It will work in refrigeration mode by default after the first boot; the compressor indicator light "H" is ON and the compressor works, besides, the cold exhaust pipe supplies cold air; when the "K" button is pressed, the machine enters the cold air mode, at the moment, the compressor indicator light "H" is on and the compressor works, besides, the cold exhaust pipe supplies cold air. When the "K" button is pressed again, the machine enters the air supply mode, in this case, the compressor indicator light "H" is off, and the compressor stops working, and the

machine only enters the air blowing state; In cold air mode, if you press and hold the "J" wind speed key and the "K" mode key for more than two seconds at the same time, the refrigeration indicator light will start flashing, the wind speed will be switched to low speed, at the moment, the low-speed indicator light will be on, and the dehumidifier mode will be enabled.

### ※Note

In refrigeration mode, the setting range of the room temperature is 15~35°C (initial temperature of 20°C), you can press the "D" key to increase and decrease the temperature; "A" display window shows room temperature, and "B" display window shows set temperature; when the room temperature is higher than the set temperature, the refrigeration operation will start.

In the cold air mode, the setting range of the cold air temperature is 0~20°C (initial temperature of 10°C), you can press the "D" key to increase and decrease the temperature; "A" display window shows cold air temperature, and "B" display window shows set temperature; when the cold air temperature is higher than the set temperature, the refrigeration operation will start.

Press the "D" (UP/DOWN) key once to increase or decrease the temperature by 1 °C.

#### ● SPEED key

In the mode of refrigeration, cold air or supply air, press the SPEED button to switch the air speed between high speed and low speed. In dehumidifier mode, the wind speed is only at low speed.

#### ● Timer key

The machine has the timing ON/OFF function. In shutdown state, the machine will enter the timing ON mode when the Timer key is pressed and the timing ON setting shall be cancelled when the Timer key is pressed again. In the running state, the machine will enter the timing OFF mode when the Timer key is pressed and the timing OFF setting shall be cancelled when the Timer key is pressed again. In the state of timing ON/OFF setting, you can press "D" key to increase or decrease the

timing time.

### ※Note

The timing range is "0--24" hours. In the timing ON/OFF mode, when you press "D" key to increase the timing time, the timing hour indicated shall be display is "3-3.5-4...The 10-11-12...24"hours in order.

#### ● Usage Method of Water Tank and Full-Water Alarm Hint

When the water tank is full of water, the "E" full-water indicator light will be on; the compressor will stop running; the machine will stop working, and the alarm will sound for one minute. At this time, it is necessary to take out the water tank for emptying the water tank and then re-install it and restart the machine so that the machine can work normally.

#### ● Overheating and overloading protection of compressor

The compressor will overheat and overload due to too high or too low voltage, high ambient temperature and other reasons. In order to protect the compressor, the overload protector will act and cut off the power supply of the compressor.

#### Notes

When the overload protection device acts, the machine only blows out natural wind and does not provide the cold air. In case of frequent action of thermal overload protection device, please find out and remove the cause before using the machine.

#### ● Adjustment and its scope of outlet air direction

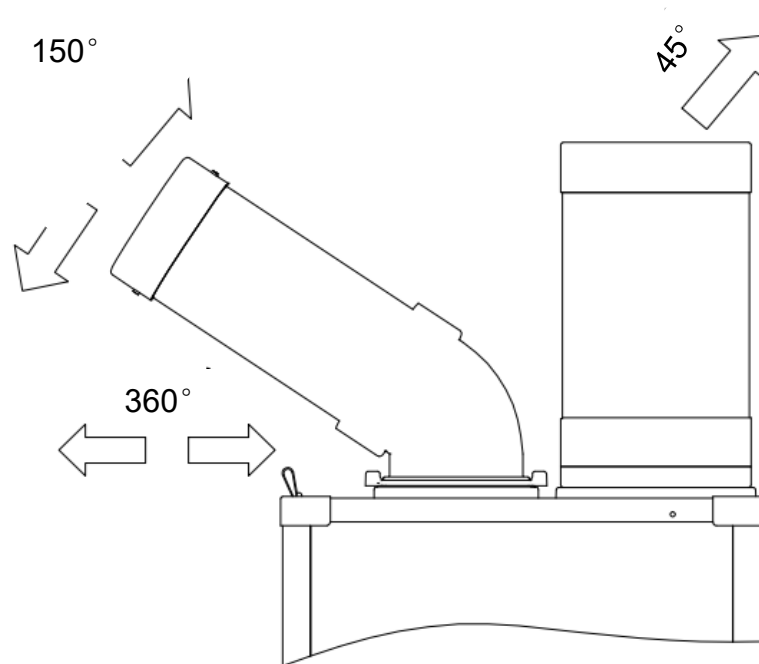
The cold air pipe can rotate to left and right with the angle about  $360^{\circ}$  (the hot air pipe has been installed).

The cold air pipe can be moved up and down in a range of  $150^{\circ}$  .

The adjustment angle range of the hot air pipe is  $45^{\circ}$  .

## Notes

Please adjust the outlet air direction of cold exhaust pipe and hot exhaust pipe before use. When adjusting the air outlet angle of the cold air pipe, please hold the elbow for adjustment, and never directly hold the cold air pipe for adjustment.



## 7. Water Tank

- How to use the water tank: When the water level indication of the water tank

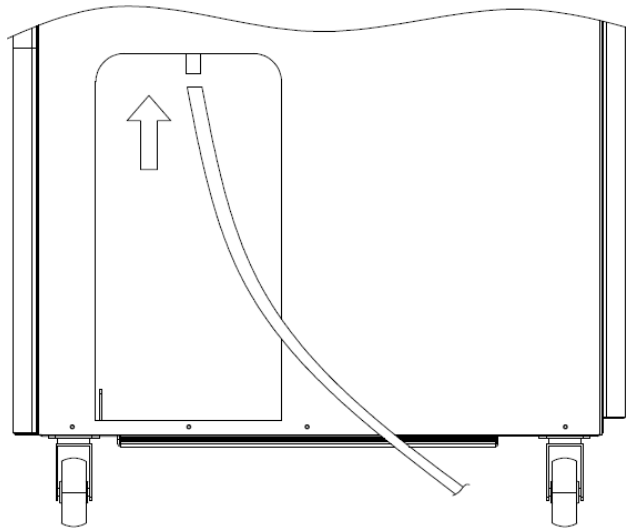
is ON, please empty the water tank and then re-install the water tank so that the spot cooler can be started and work normally.

Note: Do not move the machine when the water tank is full of water. Please move the machine after the tank is empty.

## 8. Drain Pipe (Optional)

- The condensate can be directly drained off through the drain pipe.

Method: Take out the water tank and then directly set the drain pipe on the drain outfall.

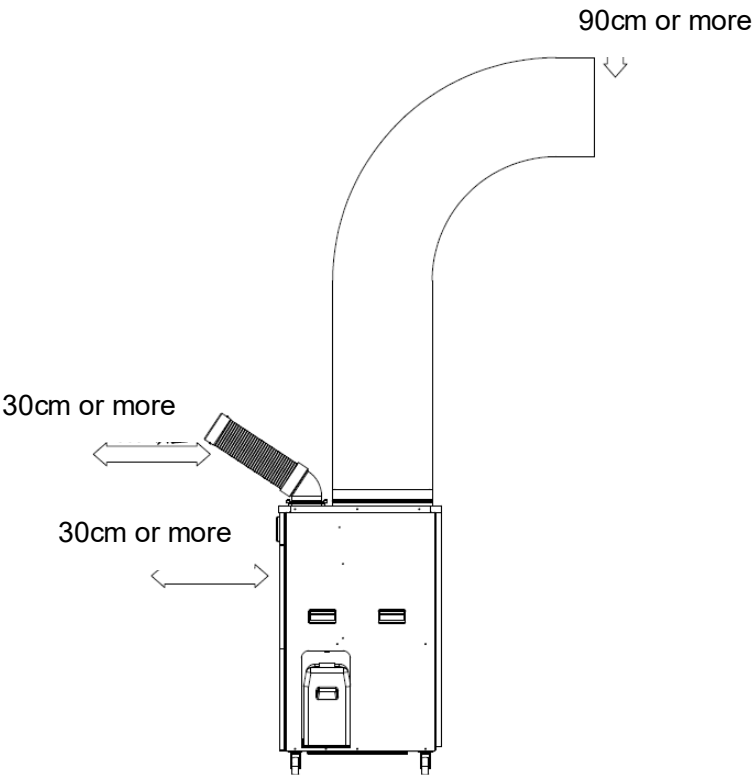


## 9. Requirements for Machine's Work Place

Special notes for user:

- When using the machine, make sure that the filter and cold air pipe should be 30cm away from the wall surface or other obstructions or more, and the hot exhaust pipe should be 90cm away from the roof or obstructions or more.
- The machine should be placed in a flat place before use and it is prohibited to place it on the slope, uneven floor, doors and other similar places to operate it so as not to cause safety accidents.
- It is forbidden to use it in wet places with rain water and snow water to avoid safety accidents.

Note: Do not place obstacles in front of the filter, and the air outlet of cold air pipe and hot air pipe. Please do not aim the hot air from the air outlet at the objects with poor heat resistance.





# 10. Maintenance and Inspection

- Please clean the filter regularly. If there is dust, dirt and other sundries on the filter, it will affect the supply air rate, and it is easy to cause frosting in the heat exchanger, which leads to the machine failure.
- When cleaning the filter, please use a vacuum cleaner to absorb the dust on the filter, and then wash the filter with water, and use it after it is completely dry.

Note: When cleaning the surface of the machine, do not use the thinner, volatile oil, chemicals and other items that may do damage to the surface of the machine.

- Please check whether the power line is damaged. If it is damaged, please replace it immediately.
- Please confirm whether the screws are loose and tighten them when necessary.
- Before the machine is idle for a long time, please empty the rain barrel and do not store it until the rain barrel is dry.
- Please do not store the machine horizontally or upside down.
- Please keep the machine out of the reach of children and keep it away from high temperature, rain and direct sunlight.

Note: During maintenance and inspection, be sure to unplug the power plug when replacing parts.

Be sure to unplug the power plugin maintenance process of the machine.

# 11. Fault Causes and Solutions

1. In case of any fault of the spot cooler, please immediately cut off the power supply and unplug the power plug from the socket to check the following items:

Symptom	Reason Analysis	Troubleshooting
Out of work	Whether the power plug is loose or falls off	Please insert the power plug into the power socket in place
	Whether the air switch is opened	Please open the air switch
	Whether the fuse of the computer board is burnt out	Ask the professional to replace the fuse
Refrigeration failure	Filth blockage on the surface of heat exchanger	Clean up the surface of the heat exchanger to make it ventilate and heatdissipation
	Hot exhaust blower fault	Repair the hot exhaust blower
	Too high ambient temperature	Please use it in the proper place
	Compressor capacitor damaged	Replace the compressor capacitor
	Refrigerating system pipeline blocked	Replace the pipeline system
	Too low or too high input voltage	Please select the proper voltage
	Overheating/overloading protection of compressor	Restart it after cooling it down
Compressor or motor fault	Repair or replace the compressor or motor	
Water leakage	Drain pipe blocked	Dredge the drain pipe
	Compressor foam damaged	Ask the professional to replace the foam
	There is much dust or dirt on the filter	Please clean up the filter
	Machine tilted	Adjust the machine to be level
TC	Coil heat exchanger	Cancel the system fault function, recoverable
CO	Compressor overloading, over current or system high-pressure protection	Cancel the system fault function, recoverable
T1	Room temperature sensor fault	Replace the room sensor
T2	Cold air temperature sensor fault	Replace the sensor
T3	Evaporator temperature sensor fault	Replace the sensor

## 12. 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.