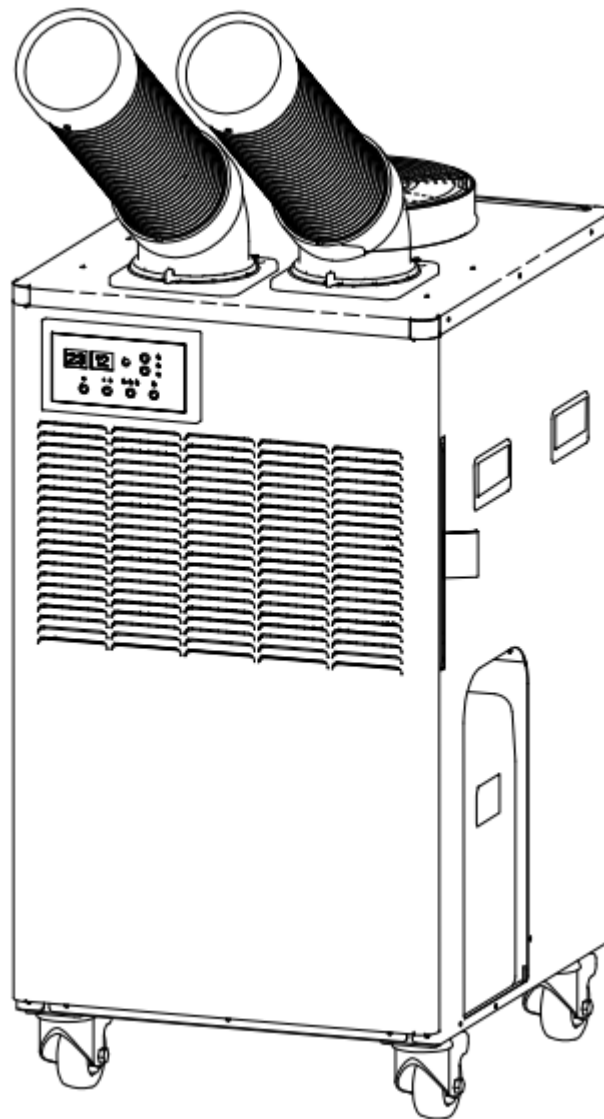


# LAVOR

*SIMPLY STRONGER*

## User Manual

Model: AC 38



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# 1. Safety Signs and Precautions







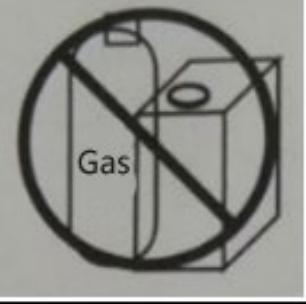

- Meaning and identification of signs
- Please read the safety signs and precautions carefully before using the machine.









 <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.

	<b>If the supply cord is damaged, it must be replaced by an electrician or are available from the manufacturer or its</b>
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	service agents.
	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.
	Children are not to play with the appliance.
	Cleaning and user maintenance should not be done by children without strict supervision.
	This appliance is intended to be used by trained users in shops, light industry, farms or for commercial use.
	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 (dilutents, 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.

	<p>Except for professional maintenance personnel, other personnel are not allowed to assemble or disassemble to avoid fire, electrocution, injury and other safety accidents.</p> <p>If repair is needed, please contact the after-sales service department at the place of purchase.</p>
	<p>Please do not use it in places with rain, snow or near water. Do not operate with wet hands.</p>
	<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 not 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 20°C~43°C; 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>
	<p>Please immediately stop using it in case of error (stopped rotation, strange noise, improper vibration and unusual odor).</p>
	<p>To prevent disaster and damage, the appliance should not be used in the following places:</p> <ul style="list-style-type: none"> <li>● Vibrating floor</li> <li>● Gradient floor</li> <li>● Stairway, emergency exit and house exit and entrance, etc.</li> <li>● Place with unstable articles piled around it</li> <li>● Windy and moist place or place with floating metal powder</li> </ul>
	<p>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.</p>
	<p>Please pull the power plug out of the power socket if the machine is not to be used for a long time.</p>
	<p>To prevent electrocution, please pull the power plug out of the socket upon installation and maintenance.</p>

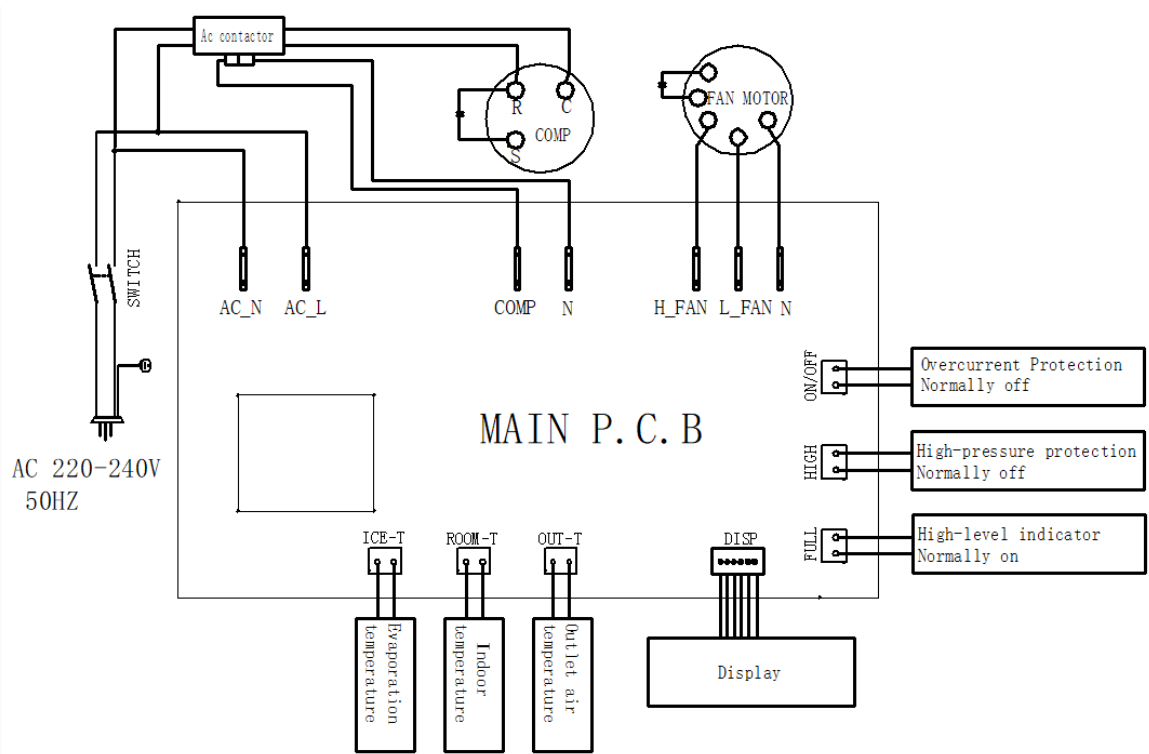
	<p>Please use dry and clean cloth to rub down the dust on power plug regularly. A dusty or moist plug may cause poor contact or electric leakage, leading to a safety accident.</p>
	<p>Do not haphazardly bend, drag, twist, pinch or change the power cord. Do not overload the power cord. Otherwise there may be fire, electrocution and other accidents.</p>
	<p>Please do not use the appliance as a cooler for a boat or vehicle, etc. Otherwise this may cause a safety accident.</p>
	<p>Please do not stick finger or hand in the vent.</p>

## 2. Technical Parameters

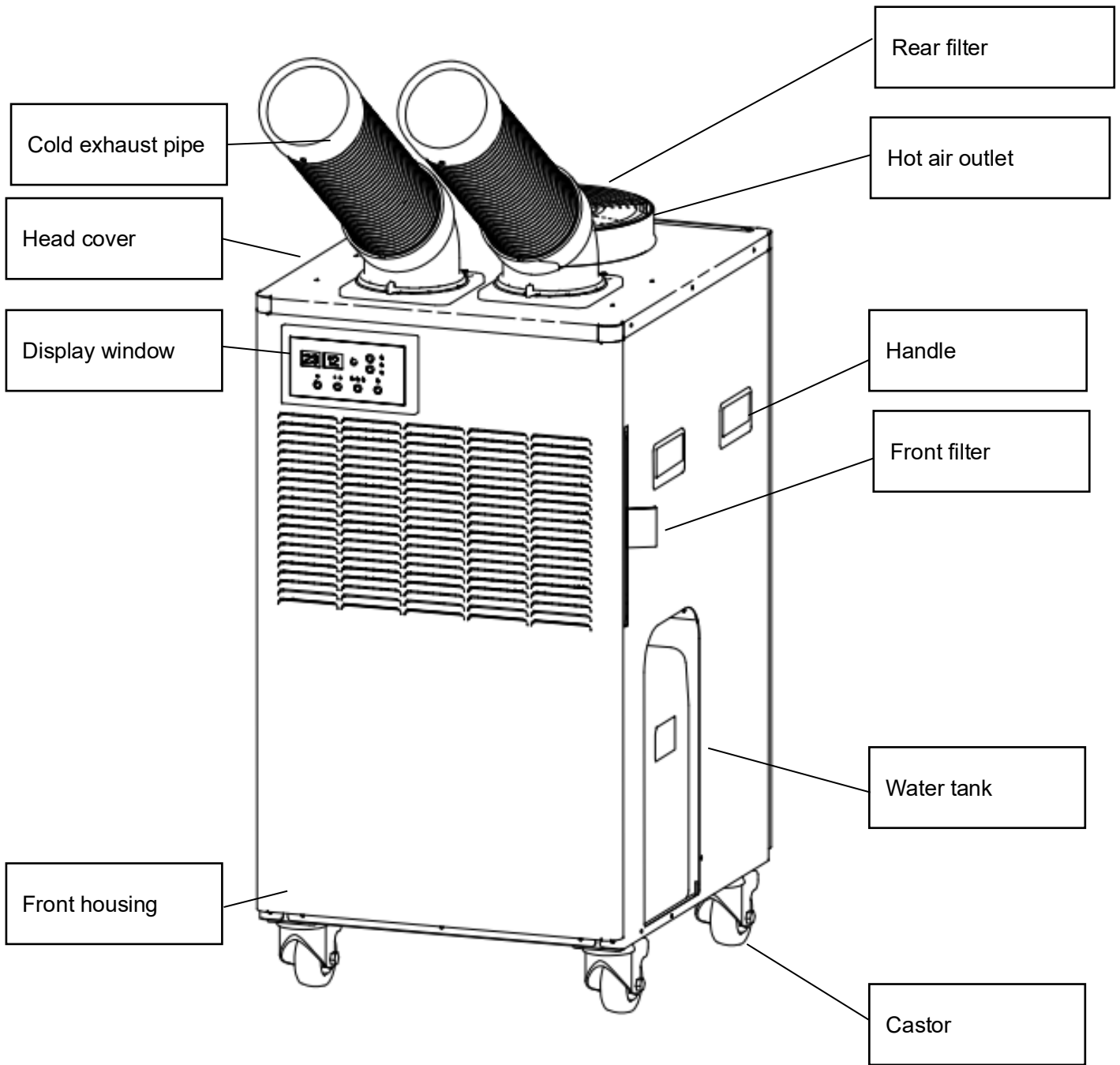
Model	AC-38
Power Supply	220-240V/50Hz
Refrigerating Capacity	3800W
Rated Power	1600W
Rated Current	7.5A
Air Volume	600m <sup>3</sup> /h
Working Pressure on Suction/Exhaust Side	2.5/4.5MPa
Maximum Working Pressure of Heat Exchanger	4.5MPa
Refrigerant/ Refrigerant Charge	R410a/600g
Operating Condition	18°C~45°C
Net Weight	55kg
Gross Weight	60kg
Overall Dimensions	496*562*943mm



### 3. Electrical Schematic Diagram



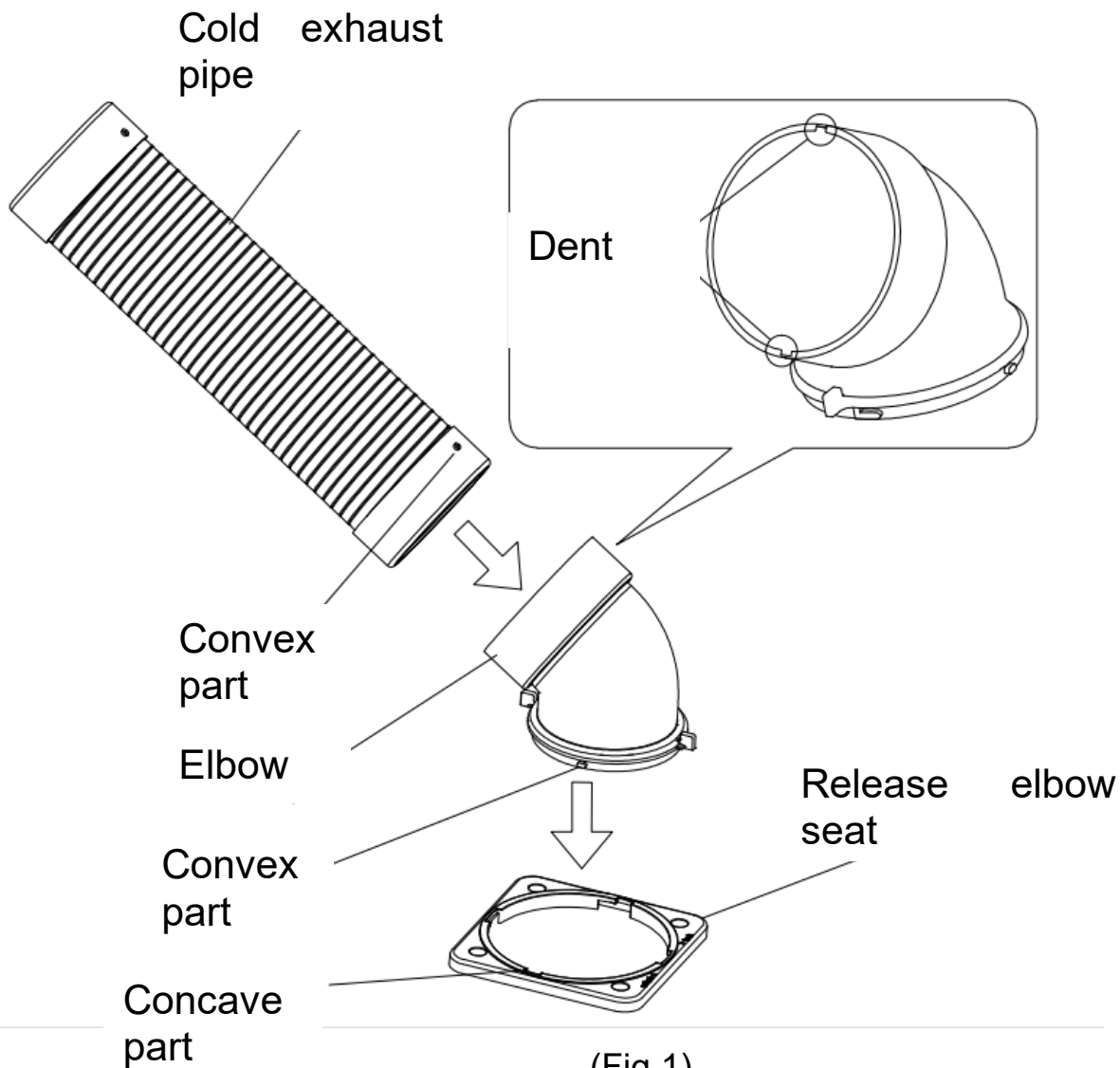
# 4. Production Layout



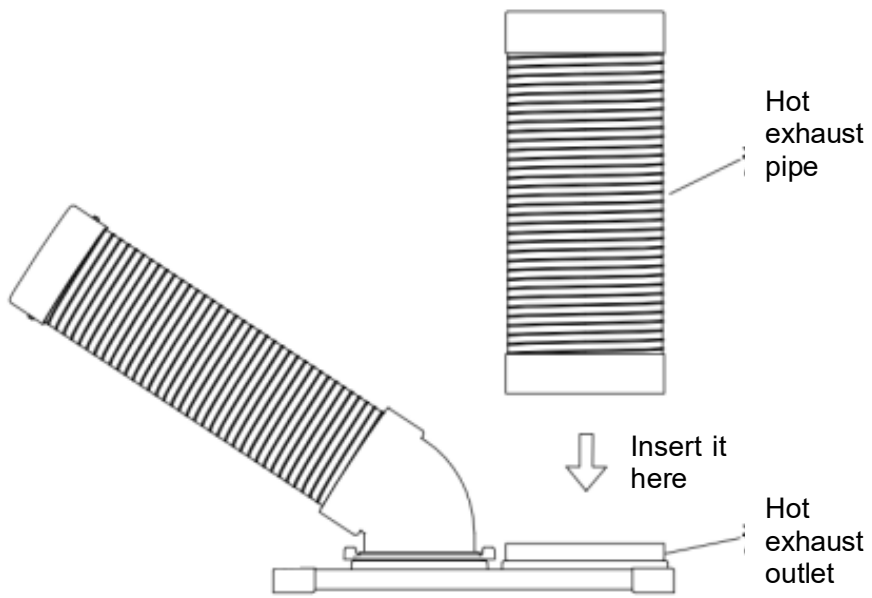
# 5. Installation Method

## 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.



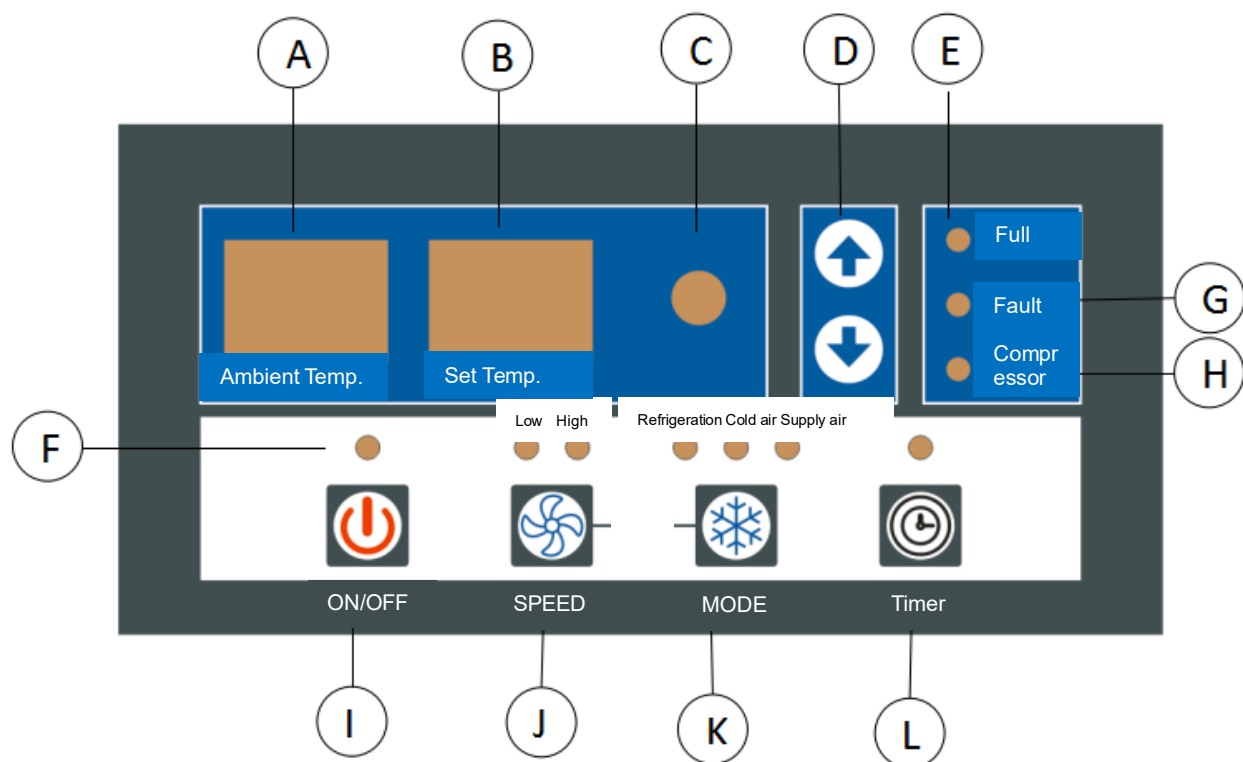
1. Insert the hot exhaust pipe into the heat exhaust port and make sure that it is fitted properly. (Figure 2).



(Fig.2)

Body

## 6. Operating Instructions



### ● POWER button

Plug the machine in to a AC240V power supply. Press the Power Button (“I”) and the power indicator light should come on. At this stage, the machine enters Refrigeration mode and the "Refrigeration" indicator light turns on. The compressor will then begin and the Compressor indicator light will come on ("H").

To turn the machine off, press the power button again.

### ● MODE button

This machine has four modes – Refrigeration mode, Cold Air mode, Air Supply mode and Dehumidification mode. Refrigeration mode is the default when the machine first starts. You can cycle through the first three modes using the Mode button (“K”).

To enter the Dehumidification Mode, hold down the Speed Button (“J”) and the Mode Button (“K”) for more than two seconds. The Refrigeration Light will begin flashing and the Fan Speed will be set to low.

- TEMPERATURE buttons

In Refrigeration mode, the range of the desired temperature is 15-35°C (default temperature is 20°C). Press the Up or Down buttons ("D") to increase and decrease the temperature. The desired temperature will be displayed in the Set Temperature Window ("B"). The room temperature will be displayed in the Ambient Temperature Window ("A"). Refrigeration mode will be shut off when the Ambient Temperature hits the Desired Temperature.

In the Cold Air Mode, the range of the desired temperature is 0~20°C (default temperature is 10°C). The operation of temperature control is the same as the refrigeration mode.

- SPEED button

In Refrigeration, Cold Air or Air Supply mode, press the SPEED button ("J") to switch the fan speed between High and Low speed. In Dehumidifier mode, the air speed is locked into Low speed only.

- Timer button

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

※**Note**

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

- Full-Water Alarm Indicator

When the water tank is full, the Full Water Indicator light (“E”) will turn on. The Compressor will shut down, the machine will turn itself off and an alarm will sound for one minute.

At this point, turn the machine off, empty the water tank, reinsert it and the machine will be ready to start up again.

- Overheating and overloading protection of compressor

The compressor will overheat and overload due to a number of reasons, including (but not limited to) voltage fluctuations, high ambient temperature and others. In order to protect the compressor, the overload protector will activate and cut off the power supply to the compressor. When this occurs, the machine will only operate as a fan blowing natural air through the system.

If this occurs, please shut down the machine. Consult the “Faults and Solutions” found near the end of the manual for a solution. If further issues continue, please contact your nearest stockist.

- Adjustment and its scope of outlet air direction

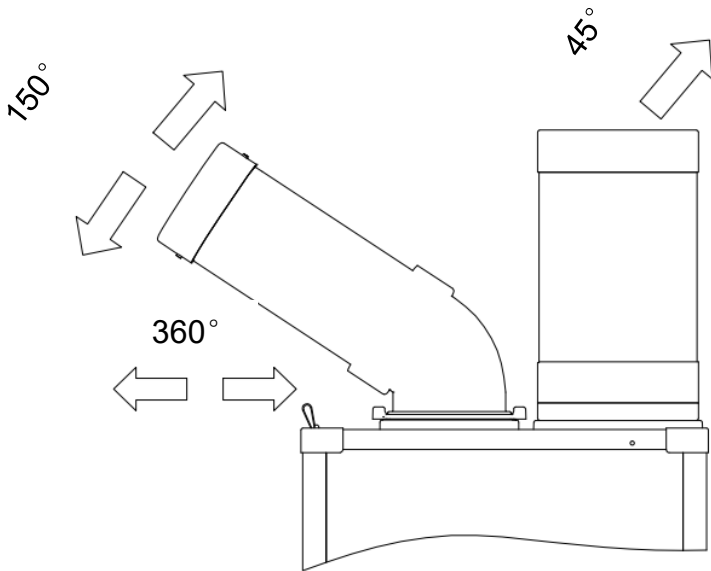
The cold air pipe can rotate to left and right with the angle about  $360^{\circ}$  (the hot air pipe has been installed).

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

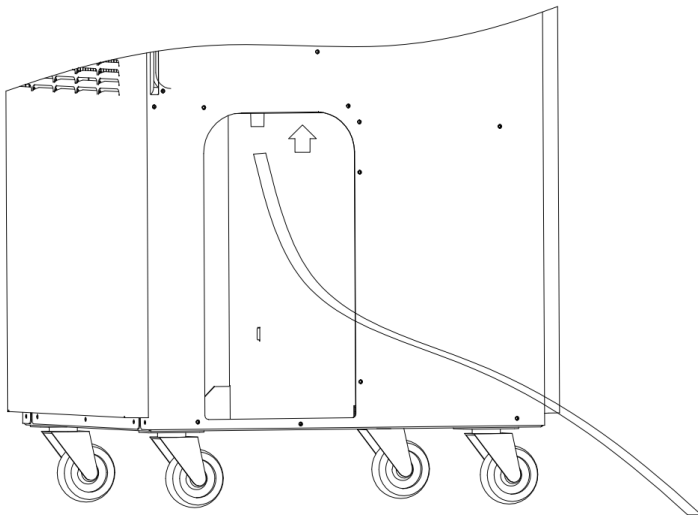
Please adjust the outlet air direction of cold exhaust pipe and hot exhaust pipe before use. When adjusting the air outlet angle of the cold air pipe, please hold the elbow for adjustment, and never directly hold the cold air pipe for adjustment.



## 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.



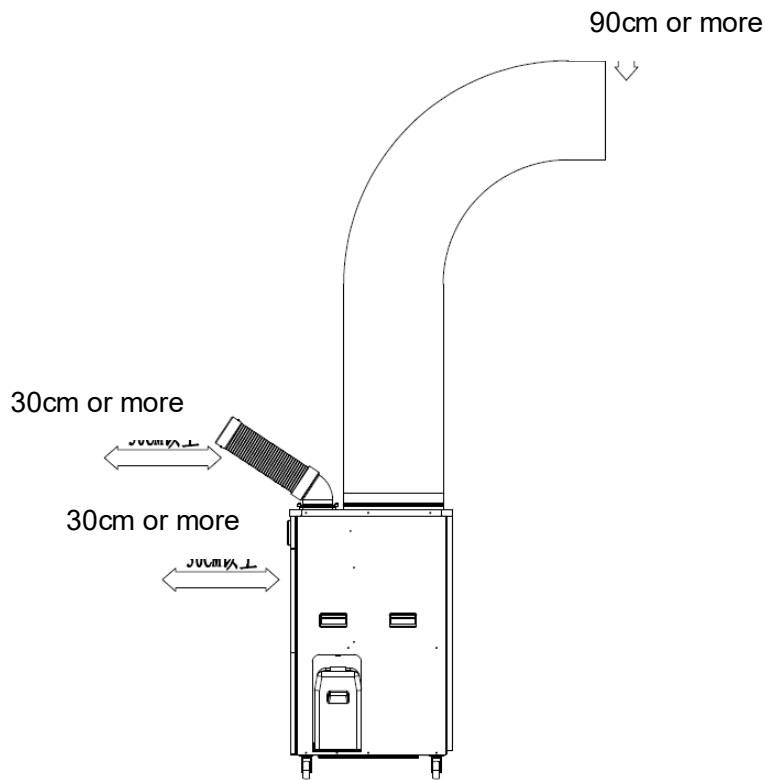


## 9. Requirements for Machine's Work Place

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.