

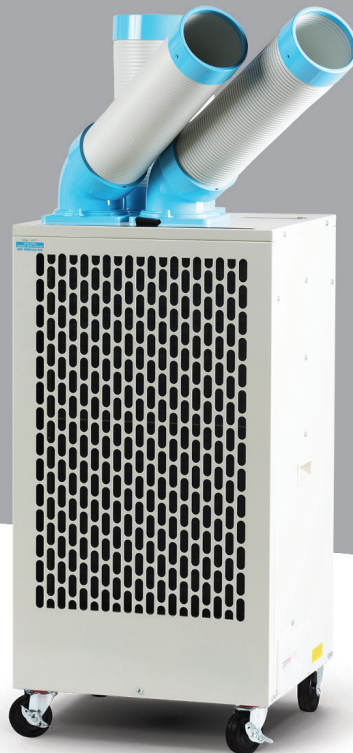


*NAKATOMI*

# KOOLZONE

## MOBILE SPOT COOLER

USER MANUAL FOR **SAC-3000**



THANK YOU FOR PURCHASING THE KOOLZONE MOBILE SPOT COOLER.  
PLEASE READ THE INSTRUCTIONS BEFORE USING.  
AND PLEASE KEEP THESE INSTRUCTIONS FOR REFERENCE.



**UNINEX INTERNATIONAL**






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## 1. Safety Marks

- The identification of marks.
- Before operating, please read this instruction carefully.













|                                                                                           |                                                                                                                                   |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|  Danger  | It may cause personal casualty and fire disaster or other property loss. If neglecting of this mark and operating with wrong way. |
|  Warning | It may cause personal casualty and fire disaster or other property loss. If neglecting of this mark and operating with wrong way. |
|  Forbid  | This mark stands for forbid action.                                                                                               |
|  Forcing | This mark stands for forcing and direction.                                                                                       |
|  Caution | This mark stands for what should be noted.                                                                                        |

### For your safety, Please follow instruction

As the following figure may cause the big accident because of different situations. Every item is very important, please read carefully.

|                                                                                     |                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Please do not use the air conditioner where volatile materials exit (the volatile liquid such as thinner, gasoline, kerosene LPG and the volatile dust such as aluminum, magnesium and plumbum). It may be in danger of firing ,burning and explosion. |
|  | Please do not reform the machine. Otherwise it may cause machinery breakdown and even cause fire.                                                                                                                                                      |
|  | In order to avoid safety accident about fire, electric shock and injured,only the professional repair personnel allow to disassemble the mechine.if you need repair, please call for the local sales agent.                                            |
|  | Please do not operate machine in raining and snowing place or operate machine with wet hands.                                                                                                                                                          |
|  | The supplying power is 115v single phase, otherwise it will cause machinery breakdown and accident.                                                                                                                                                    |
|  | Please use the seperate sockets of 15A with leakage protectors, otherwise it may be abnormal.                                                                                                                                                          |
|  | The installation of machine is required by the professional personel according to the equipment and cabling standard to operate . Otherwise it may cause accident.                                                                                     |
|  | Please do not close the fire to avoid any machine deforming.                                                                                                                                                                                           |

**For your safety, Please follow instruction**

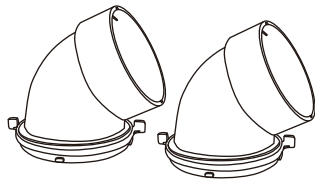
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Please install the reliable earthing wire with leakage protector.                                                                                                                                                                                                                                                                                                                                        |
|    | Please operate the machine in the temperature range of 25°C~45°C, otherwise it may cause the accident.                                                                                                                                                                                                                                                                                                   |
|    | When operating, do not move the air conditioner and should check the castors' brake is locked.                                                                                                                                                                                                                                                                                                           |
|    | If the machine is abnormal in operating period (such as stopping, noise, unusual shock and abnormal smell), please stop the machine immediately.                                                                                                                                                                                                                                                         |
|    | <p>To prevent from the disaster and damage the air conditioner can not be used in the following place.</p> <ul style="list-style-type: none"> <li>●The shocking ground</li> <li>●The sloping field</li> <li>●Stairs, emergency exit and the house's entrane</li> <li>●The place stacking the unstable objects around</li> <li>●The place having big wind humid or heavy dust and metal powder</li> </ul> |
|    | Do not push out the power wire directly. When pull out the power plug, you must hold the plug. Otherwise the plug may be damaged sparked and may cause accidents.                                                                                                                                                                                                                                        |
|  | If you do not use the machine for long time, please pull out the power plug from the socket.                                                                                                                                                                                                                                                                                                             |
|  | While you install and repair the machine, please pull out the plug from the socket.                                                                                                                                                                                                                                                                                                                      |
|  | The dust in the power plug need to be cleaned with cloth periodically. If the plug accumulating the dust and humidfy, the plug may be poor connect or leakage and cause accident.                                                                                                                                                                                                                        |
|  | Do not bending, pulling, binding, clipping and changing the power wire, and do not make the power wire overload. Otherwise it may cause accidents such as fire or electrical shock.                                                                                                                                                                                                                      |
|  | Do not use it as the boat and vehicle's air-conditioner. Otherwise it may cause accidents.                                                                                                                                                                                                                                                                                                               |
|  | Do not strech into the outlet with figers and hands.                                                                                                                                                                                                                                                                                                                                                     |

## 2. Technical Data

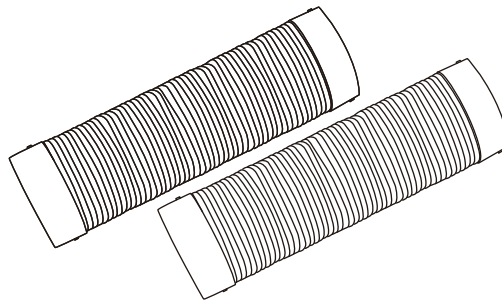
|                             |                          |
|-----------------------------|--------------------------|
| Power                       | Single Phase 115V        |
| Frequency                   | 60Hz                     |
| Cooling Capacity            | 10236BTU                 |
| Load Current                | High : 10.8A Low : 10.4A |
| Consumption Power           | High : 1210W Low : 1170W |
| Compressor                  | Sealed rotary type       |
| Water Storage Capacity      | 5L                       |
| Refrigerant                 | R410A                    |
| Refrigerant(Rated charge)   | 800g                     |
| Operating Temperature limit | 25°C~45°C(77°F~113°F)    |
| Size                        | 18.5"×17.7"×37.4"        |
| Weight                      | 59Kg                     |

Refrigeration capability and electric features are tested on the 35°C room temperature and 60% humidity.

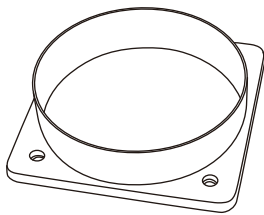
## 3. Accessories



Curved duct ×2



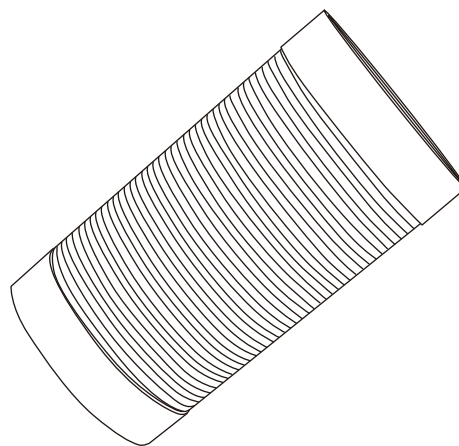
Cooling duct ×2



Heat-removal duct socket ×1

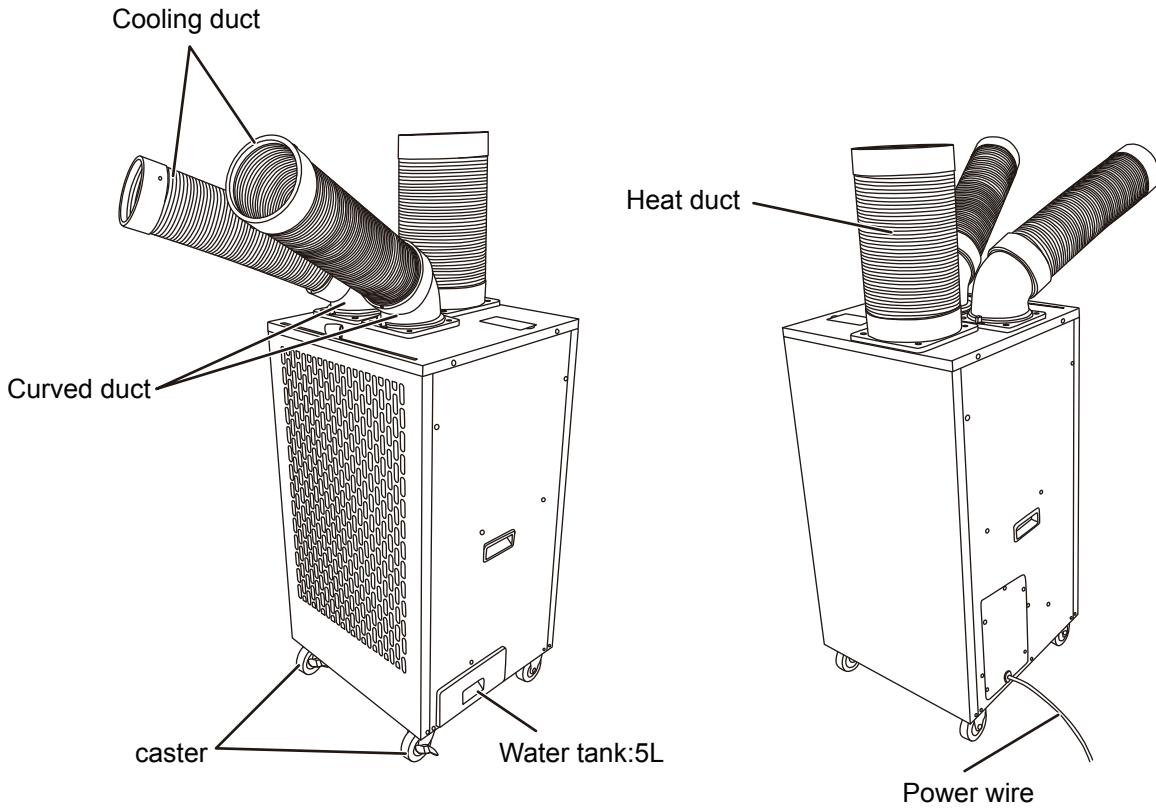


Screw ×4



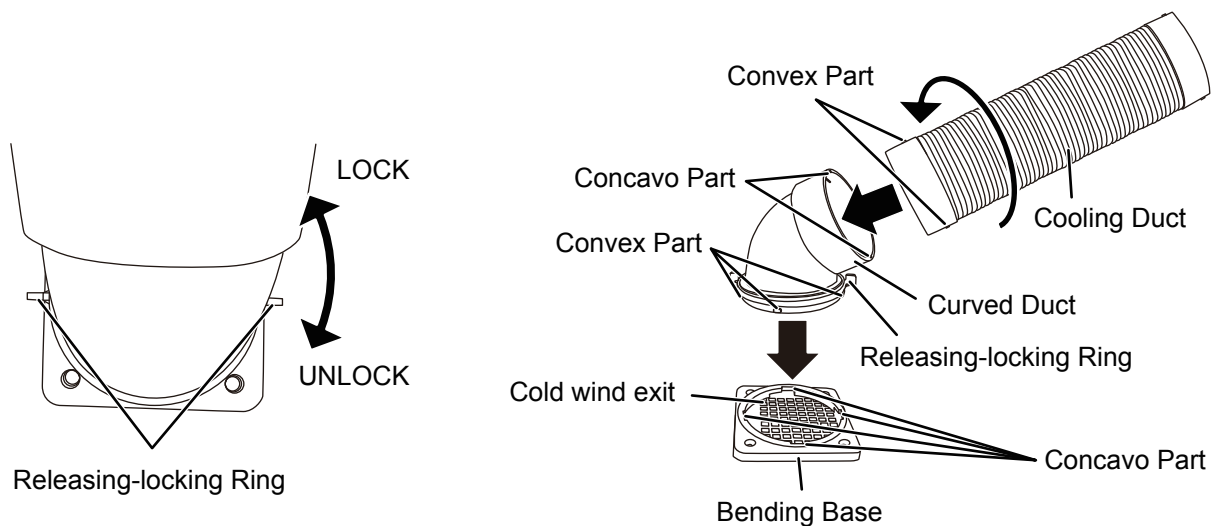
Heat-removal duct ×1

## 4. Parts Of The Machine



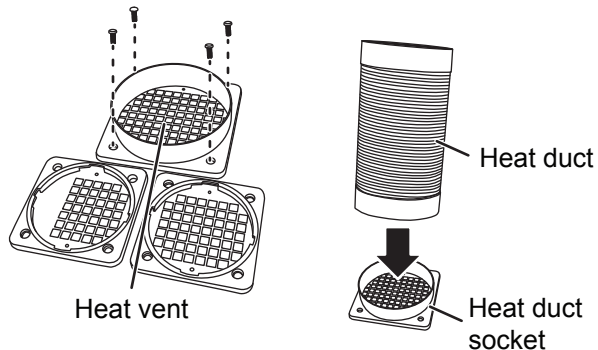
## 5. Installation

- Installation of the curved duct:  
Please make the convex part of the curved duct point to the concavo part of the bending base and insert it, then turn the duct in counterclockwise to lock.
- Installation of the cooling duct:  
Slide the fringe of cooling duct to the slot of curve duct, then turn the cooling duct clockwise to lock. Please make sure the joint is connected well before use.



●Installation of the heat duct and socket:

The heat duct socket uses 4 ST4×12 bolts to fix on the heat vent.  
When heat duct insertion heat duct socket, please note reliably.



●Power supply connection

Please use exclusive power supply

**CAUTION**

When you have to use an extension wire, please be sure to use it according to the following list. The machine will not operate normally if the extended wire was too long or too thin.

| Length of the wire | Section area       |
|--------------------|--------------------|
| Within 8M          | 4.0mm <sup>2</sup> |
| Within 20M         | 6.0mm <sup>2</sup> |

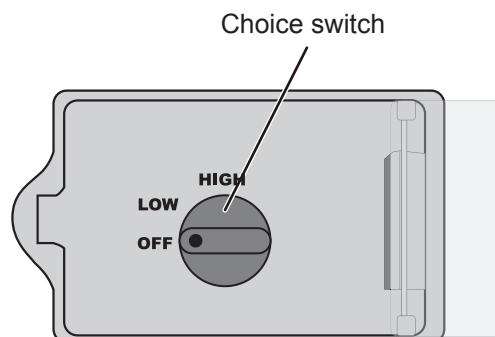
Please use earth leakage circuit breaker with 15A 30MA ,within 0.1S action time.

Please use earth wire with section 1.5mm<sup>2</sup>.

6. Operation Instructions

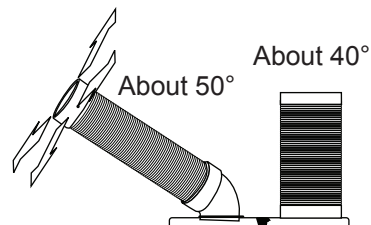
- Turn on the choice switch in front of the machine for the operation, there are 3 choices (off,low,high) for control.

Note: Turn off the machine and cut the electricity before moving the machine.  
After 3 minutes of turning off ,then re-turn on it , otherwise the protection process will let machine no work.

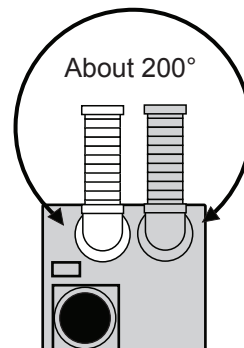


- Overload relay used for compressor  
If there is over-current or over heating, over load relay will operate to protect the compressor.  
Attention: The machine will only blow nature wind while the relay acted.

- Wind direction adjustment  
In order to get your satisfied direction of cooling duct and heat duct, please adjust the duct.  
The adjustment range of cooling duct is 200 degrees in horizontal 50 degrees in vertical level.  
The adjustment range of heat exhaust duct is 40 degrees.  
Heat exhaust duct is installed.



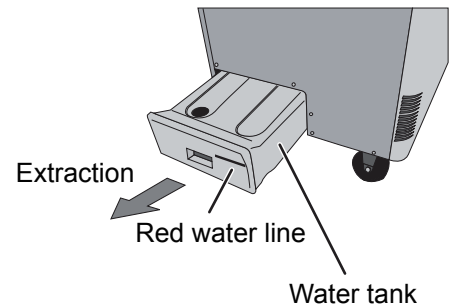
- Attention  
Please adjust the angle of cooling duct and heat exhaust duct before operating the machine. Please hold the bending duct not the cooling duct to adjust the angle.



## 7. Water Tank

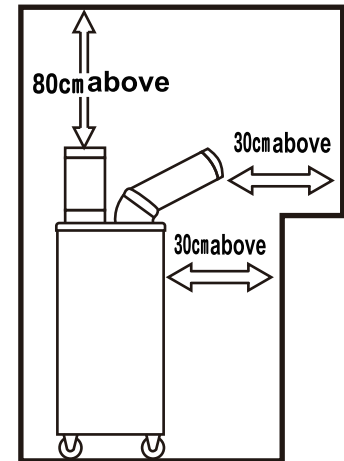
- The condensate water will flow into water tank.  
The capacity of the tank is 5L.  
The water tank may take out directly from the machine.

Note: Empty the water immediately when the water get to the red line. The machine does not have warning device. Please check the quantity of the water periodically. Empty the water before moving the machine.



## 8. Using Place Required

- The filter, cooling duct should be apart from wall or other things more than 30cm and heat exhaust duct from roof or other things more than 80cm
- The machine should be put on the smooth field, not slope uneven ground or entrance or exit of house raining series in order to avoid any accident.



## 9. Maintenance and Inspection

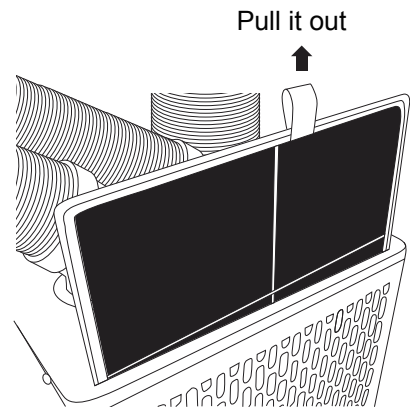


- When cleaning the filter, please use the vacuum cleaner to clean the dust in the filter. Then wash it with water and use it until it dried completely.

Caution: When clean the surface, please do not use the objects which can damage the machine's surface such as volatil essential oil and medical materials.

- Please check whether the wire is damaged. If it have, please change it directly.
- If the screw was loosed please tight it.
- Please make sure whether the outlet of the machine has barrier. If it has, please clean it in time and make sure every outlet is clearly.
- Please do not put anything on the machine in to avoid to crush the fan and block the outlet and protect the machine.
- Please do not slop and fall the machine.
- Please do not slop and fall the machine.
- Please do not put it on the place where had corrosive gas and liquid.
- If it is not used for along time, please cut off the power.
- Please put the machine on the place where it can not be touched by children. And avoid to storage it in high temperature ,rainy and sunshine places.

Caution: If you change the component during manintenance and detecting or store, please do pull out the power plug.





## 10. Breakdown & Solve-Method

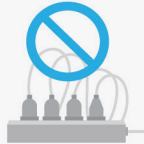
| Fault state      | Cause                                                                                                                                                                                                                                                                                       | Countermeasure                                                                                                                                                                                                                                                           |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not work         | The power plug has been loosed<br>Fuse was broken                                                                                                                                                                                                                                           | Insert the plug into wall socket well<br>Ask the purchase agent for help                                                                                                                                                                                                 |
| No refrigeration | Condenser's surface is dirty and blocked<br>Heat exhaust fan was breakdown<br>External environment's temperature is too high<br>The capacity of compressor was damaged<br>Refrigeration system's pipeline is blocked<br>Input voltage is too high or too low<br>Compressor's motor is fault | Clean the condensor's surface and ventilate or cool for the condensor<br>Change the heat exhaust fan<br>Select the suitable place to use<br>Change the capacitor<br>Change the pipeline system<br>Select the suitable voltage to use<br>Repair and change the compressor |
| Water leaks out  | Drain pipe is blocked<br>Water tank is not installed correctly<br>Filter is dirty<br>Water tank full of water                                                                                                                                                                               | Clean the drain pipe<br>Install it in the right place<br>Clean the filter<br>Pour the water out                                                                                                                                                                          |

## 11. Quality Warranty

- The warranty period of our air conditioner is one year. To provide the better service for our customers, Our company specially set up the technical service department. We will do our best to provide the good service to our customers.
- This products have been inspected according to the national related standard before sale. If the customers comply with all regulation referring in the instruction and the products' warranty period does not exceed more than one year (based on the invoice's date). If the machine is fault because of its quality. With the invoice and warranty, our technical service department can provide the free maintenance service for you.
- According to the regulation of instruction to installation and operate the air conditioner. If the machine is damaged because of deregulation and the other customer reasons, it is not belong to warranty range.
- The customers disassembly or converse the products themselves or the machine breaks down but not to notice our technical service department, then it means giving up the warranty rights.
- If the fee is out of the warranty period or not belong to the warranty range, the service and travel expenses must be undertaken by customers.
- Our company can train the operation and maintenance staff for our customers.



## KOOLZONE MANUFACTURER'S RECOMMENDATIONS



1. USE A DEDICATED OUTLET. DO NOT SHARE AN OUTLET WITH OTHER DEVICES.  
SHARING AN OUTLET MAY CAUSE A POWER CUT.



2. USING AN EXTENSION CORD IS NOT RECOMMENDED.  
IF AN EXTENSION CORD IS NEEDED, USE 12 AWG OR THICKER GAUGE.



3. DO NOT BLOCK THE HEAT EXHAUST OUTLET.  
(DO NOT PLACE SAC1800 TOO CLOSE TO THE WALL.)  
IT MAY BLOCK THE HEAT OUTLET AND CAUSE THE SPOT COOLER TO  
STOP WORKING PROPERLY.



4. FOR OPTIMUM PERFORMANCE, USE ONLY UP TO A MAXIMUM OF  
12 FT OF HEAT/COOL EXTENSION DUCT.

MAKE LIFE SIMPLE AND MORE CONVENIENT  
WITH UNINEX



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