



NAKATOMI

KOOLZONE

MOBILE SPOT COOLER

USER MANUAL FOR **SAC-6500**



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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【Safety Marks and Precautions】









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

	Danger	Neglect this mark and misused, will cause personal casualty and fire disaster or other property loss.
	Warning	Neglect this mark and misused, will cause personal casualty and fire disaster or other property loss.
	Forbid	This mark stands for malum prohibitum.
	Coercion	This mark stands for coercion and direction.
	Caution	This mark stands for what should be noted.













For your safety, please observe

The prompting precaution as the following figure may cause the big accident because of the different cautions.

Every records are all important, please read carefully.

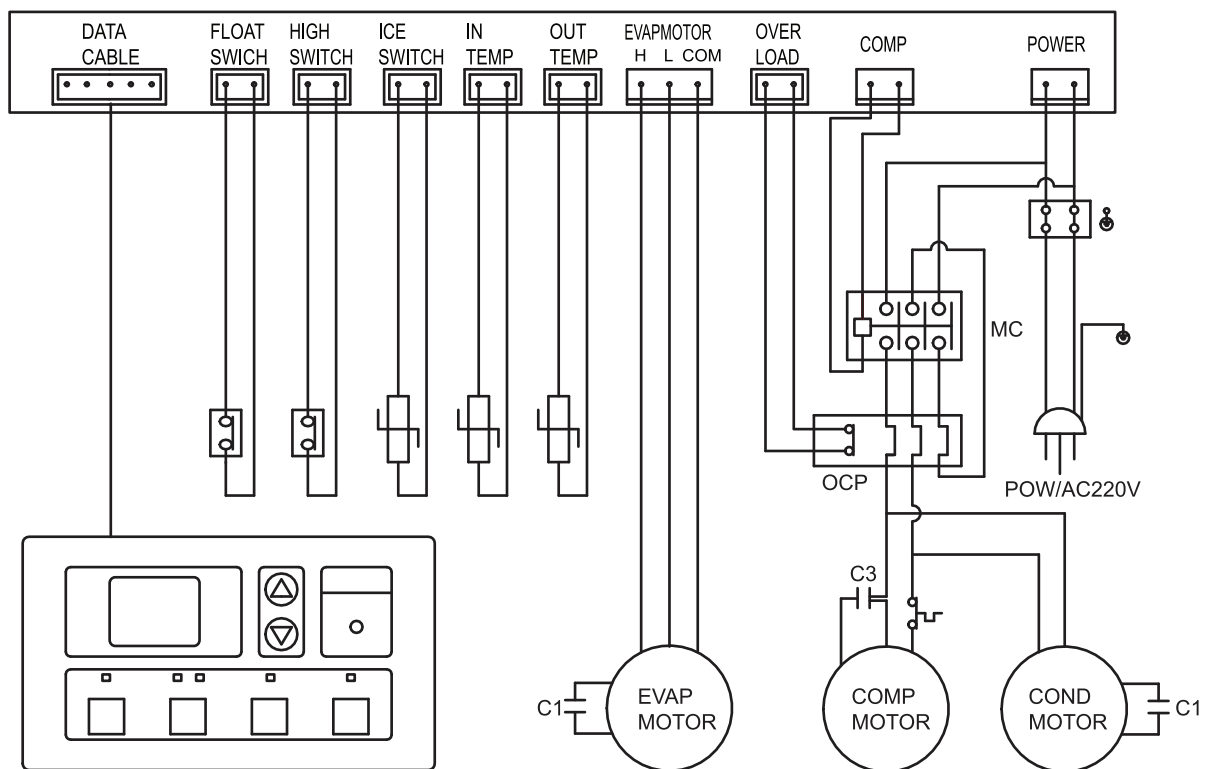
	Please do not use the air conditioner in the which use and store volatile (the volatile liquid such as thinner, gasoline, kerosene LPG and the volatile dust and steam such as aluminum, magnesium and plumbum). It may be in danger of firing ,burning and explosion.
	Please do not reform the machine. Otherwise it will cause machinery breakdown and even cause fire.
	For avoiding the accident about fire, electric shock and injured,only the professional repair personnel allow to disassemble the machine. If you need repair, please call for the local sales department.
	Please do not use in raining and snowing or use it with wet hands.
	Please use 230V power. If you use the other power, it will cause machinery breakdown and an accident.
	Please use the sockets with rating value of 20A alone and use leakage protectors. If the sockets used together with the other electricals, it will be abnormal.
	The installation of machine need the professional personnel according to the equipment and cabling standard to operate . If not, it will cause accident.
	For preventing from the machine deforming, please do not place close to fire.

For your safety, please observe

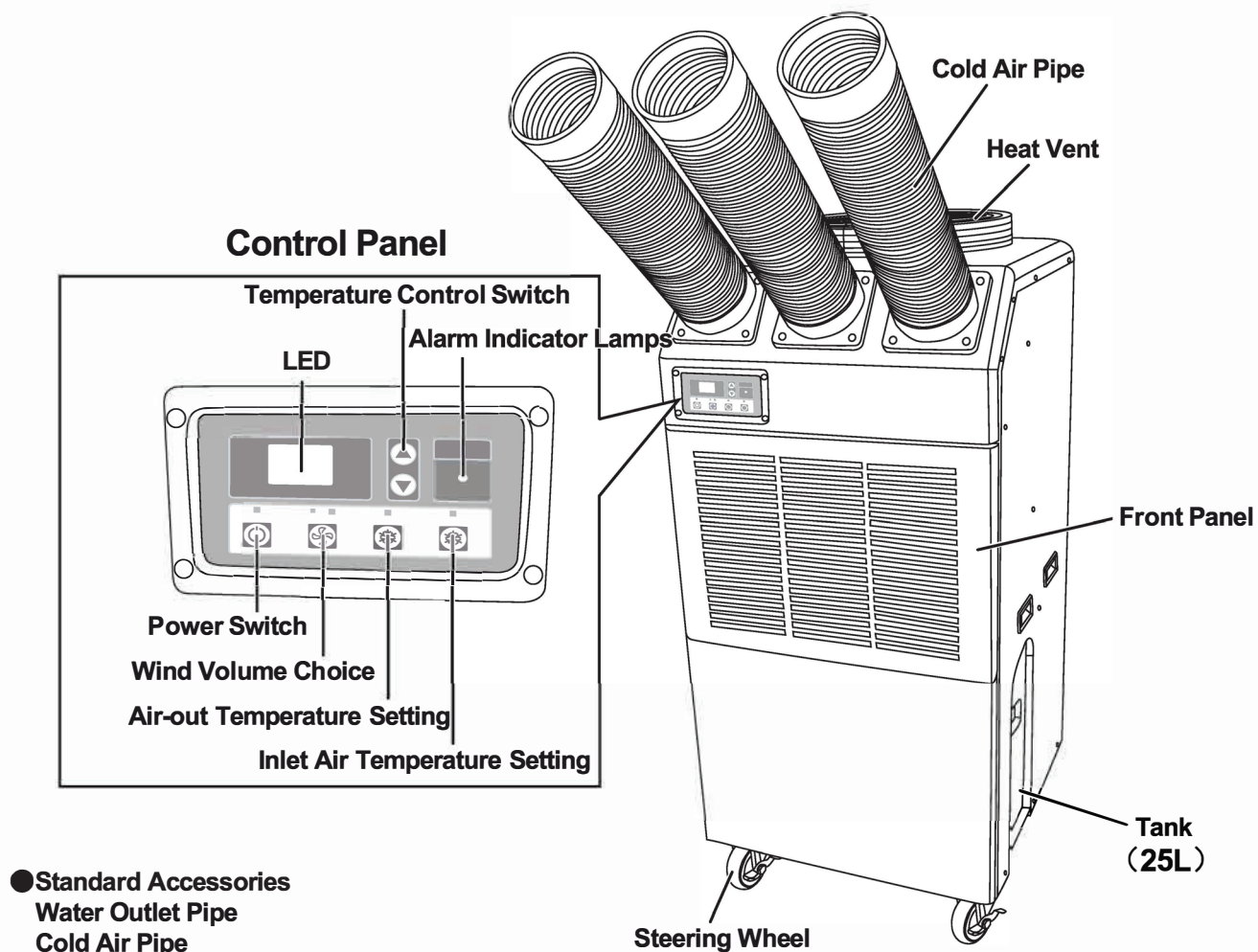
	Please install the stably earthing wire and use leakage protector.
	Please use the machine in the range of 18°C~40°C, otherwise it will cause the accident.
	When functioning, do not move the air conditioner and should check the castors' brakes in locked.
	If the machine is abnormal in functioning (such as rotation, stopping, abnormal voice, abnormal shock and abnormal smell) , please stop operating 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"> ●The shocking ground ●The sloping ground ●Stairs, emergency entrance and the houses, entrance ●The place stacking the unstable objects all around ●The place having big blast and humid or floating the dust and metal powder
	Do not push the power wire directly .When pull up the power plug,you must hold the plug. Otherwise the plug will be damaged and sparked or cause accidents.
	If you do not use the machine for a long time, please pull up the power plug from the socket.
	To prevent from the electrical shock when you install and repair the machine, please pull up the plug from the socket.
	The dust in the power plug need to clean clearly with cloth periodically. If the plug accumulating the dust and humidity, the plug will 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 will cause accidents, such as fire or electrical shock.
	Do not use it as the boat and vehicle's air-conditioner. Otherwise it will cause accidents.
	Do not stretch into the outlet with figers and hands.

【Specification】

Power	Single Phase 230V
Frequency	60Hz
Cooling Capacity	22,184BTU
Load Current	High : 11.0A Low : 10.5A
Consumption Power	High : 2525W Low : 2424W
Compressor	Sealed Rotary Type
Water Storage Capacity	25L
Refrigerant	R410A
Refrigerant(Rated Charge)	1000g
Operating Temperature Limit	18℃~40℃ (64°F ~ 104°F)
Size	W22.0"×D24.4"×H50.0"
Weight	218LB

【Electrical Diagram】

【Part Name】



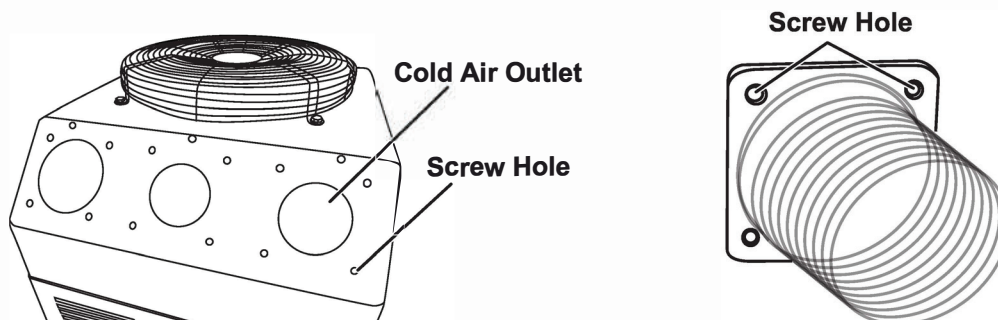
【Installation Method】

● Installation of Cold Air Pipe:

Fasten the cold air pipe above the cold air outlet with four screws.

Note-

Please do not replace the cold air pipe with other accessories.
Do not cover anything on the cold air outlet.



【Power Supply Connection】

1) Please Use Exclusive Power Supply

⚠ CAUTION

- ◆ Although it is suggested to use direct electric power, but when you have to use an extension cord unavoidably, please be sure to use it according to the directions.
The machine will not operate correct if the extended cord is too long or too thin.

Length of the cord	Transverse section area
Within 8m	4.0mm ²
Within 20m	6.0mm ²

- 2) Please connect earth wire to the mouth beside the machine cover.
Please use earth wire where the diameter is more than 1.5mm².

【Operation Method】

●Power Switch-

Power on, power indicator lights up, press the button to turn on or off the machine.

●Wind Volume Choice-

Press the button to change the strong or weak wind, the indicator shows while changing.

●Air-out Temperature Setting-

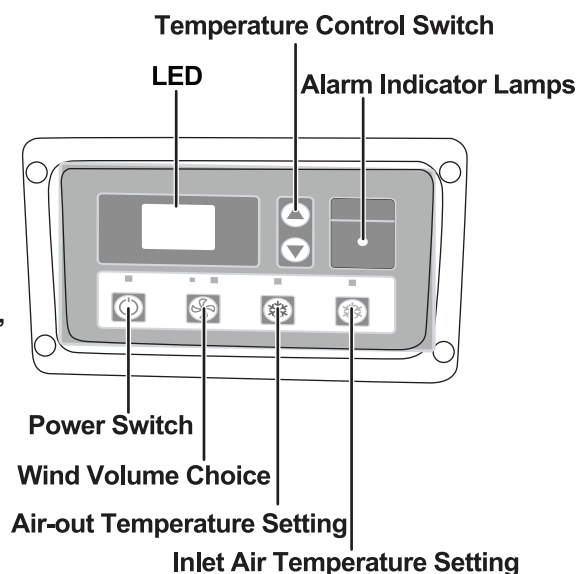
Press the button, the machine detects and shows air-out temperature, the indicator lights up at the same time. Press the temperature control button to set the air-out temperature needed, the machine then works under the setting temperature. Air-out temperature setting range is 0°C~30°C. When the air-out temperature is 1°C higher than the setting temperature, the compressor works, air outlet will produce the cold wind; When the air-out temperature is 1°C lower than the setting temperature, the compressor stops working, air outlet will produce the natural wind.

●Inlet Air Temperature Setting-

Press the button, the machine detects and shows inlet air temperature, the indicator lights up at the same time. Press the temperature control button to set the inlet air temperature needed, the machine then works under the setting temperature. Inlet air temperature setting range is 18°C~35°C. When the inlet air temperature is 1°C higher than the setting temperature, the compressor works, air outlet will produce the cold wind; When the inlet air temperature is 1°C lower than the setting temperature, the compressor stops working, air outlet will produce the natural wind.

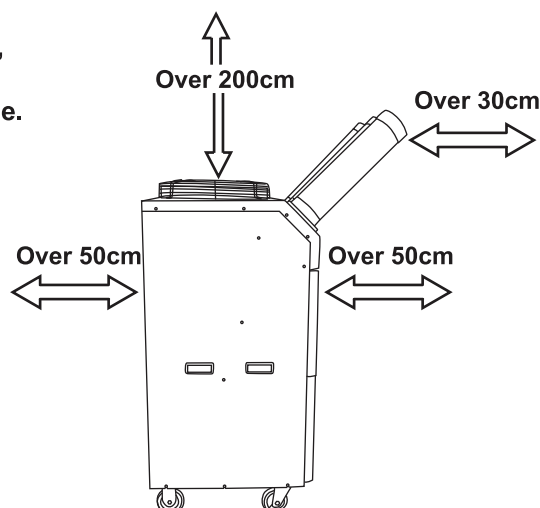
●Alarm Indicator Lamps-

When the machine under the condition of water full, over current, overheating or extra high pressure, alarm indicator lights up. The machine stops working, LED screen shows relative fault code.



【Using Place Request】

- When using the machine, front and back filter screens should be over 50cm away from wall or blockages, cold air pipe should be over 30cm away from blockages, heat vent should be over 200cm away from roof or blockages.
- Place the machine on a smooth place slop, rough ground, entrances or exits are forbidden to avoid accidents.
- Prohibit using the machine in wet place, or it may cause accidents.

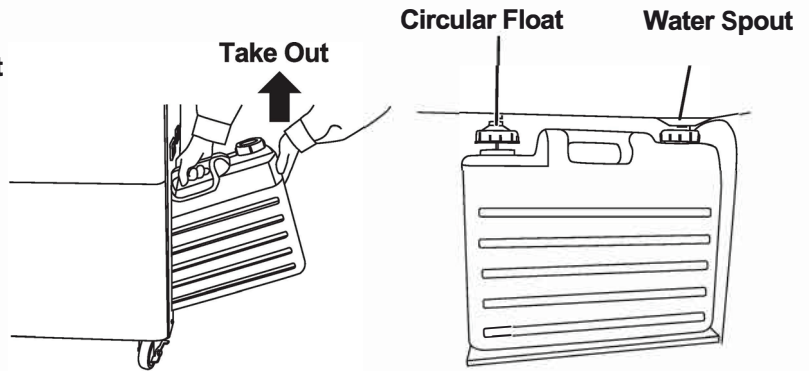


【Water Tank and Drain-Pipe】

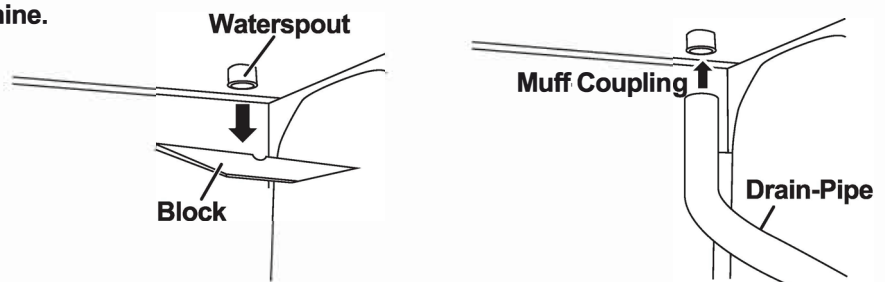
- The condensate water on the surface of evaporator will be stored in the tank whose volume is 25L. When the water is full, water level switch acts. Automatically stops working. Remove the tank, pour out the water, and place it to the original position, then turn on the machine again.

Note-

When take out the tank, prevent damage of float the circular and waterspout collision.



- The condensate water can be discharged directly by drain-pipe. Remove the tank, unload the block on the water outlet, connect the drain-pipe with the water spout. The drain-pipe can also be pulled through the hole under the machine.



【Maintenance and Inspection】

! CAUTION

- ◆ Clean the filter screens regularly, the dirt may influence inlet air volume, and cause the heat exchanger to frost, machine breakdown.

- To wash the filter screens, open the front panel to get the front filter screen.
Get back filter screen directly. Use a dust collector to clean then wash them.
Use them after they are totally dry.

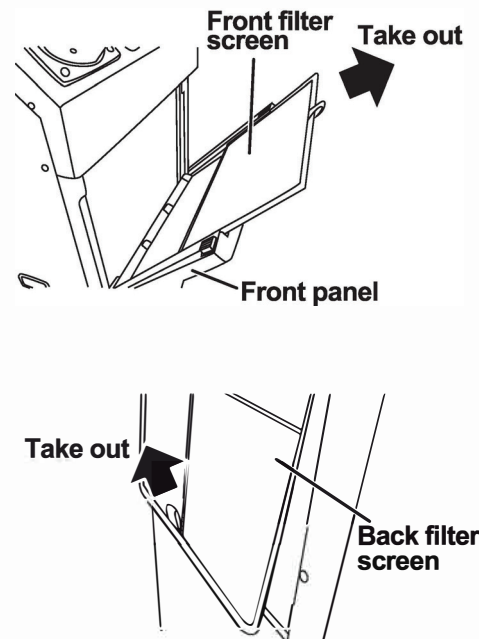
Note:

Do not use thinner, volatile oil or medicine to clean the surface of the machine.

- Make sure the screws are fastened.
- If the machine is not used for a long time, pour out the water in the tank and dry it .
- Do not tap or turn over the machine.
- Protect from light and moisture. Keep the machine out of the reach of children.

Note:

During maintenance and inspection periods, make sure power is off when changing parts.
Power off to store the machine.



【Failure Cause and Solve Method】

Failure Types	Cause	Countermeasure
Out-of run	Plug looses or falls off Power fuse is burnt	Insert the plug Change the power fuse
Uncool	The surface of the condenser is dirty Heat venting fan's breakdown The temperature of environment is too high The capacitor of the compressor is damaged Input voltage instability The compressor is over heat The compressor's motor breakdown	Clean the surface of the condenser Fix or change the fan Choose a suitable using place Change the capacitor Choose the suitable voltage Turn it on again after cooling and inspect If there is failuer like the first three Fix or change the compressor
Water leakage	The drain hole is blocked The tank is not placed correctly The front filter screen is dirty The water level is high	Clean the drain Place the tank correctly Clean the filter screen Pour out the water

【Alarm Indication and Fault Code】

●Functions of the alarm indicator lamps

- (1) **Compressor's over current:** Power off by electronic control, the machine stops working, indicator lights up, fault code shows CO.
- (2) **System's pressure is too high:** Power off by electrical control, the machine stops working, indicator lights up, fault code shows HP.
- (3) **Water full-** Power off by electrical control, the machine stops working, indictor lights up, fault code shows FL.
- (4) **Super cool:** Power off by electrical control, the machine stops working, indictor lights up, fault code shows TC.

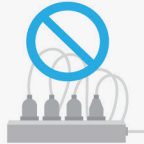
Once the failure is formed, human-induced restoration is needed and then turn on the machine , it works normally.

●Sensor Failure Measure

- (1) Fault code of inlet air temperature sensor is T1.
- (2) Fault code of outlet air temperature sensor is T2.
- (3) Fault code of evaporator coil temperature sensor is T3.



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.

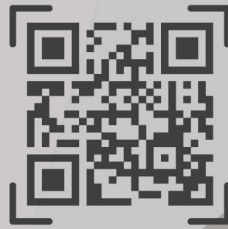


3. DO NOT BLOCK THE HEAT EXHAUST OUTLET.
(DO NOT PLACE SAC1800 TOO CLOSE TO THE WALL.)
IT MAY BLOCK THE HEAT OUTLET AND CAUSE THE SPOT COOLER TO
STOP WORKING PROPERLY.



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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