



Air Cooler

Service Manual

**MODEL:
ACL-M888A/TY**

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IMPORTANT NOTICES:

- Do not insert hand or other thing into the air outlet when machines is operating.
- Keep the machine at least 0.3meter away from wall.
- After filling the water tank, avoid moving the machine since the water may spill. Instead, push it gently with the help of the wheels at the bottom.
- The power plug should be properly grounded.
- Because negative ions are generated at the wind outlet, you may sense some static if you touch the wind outlet. This is normal and it has no danger.
- The wind outlet has a label “Cover Prohibited”. Don’t block the wind outlet with cloth or other objects.
- Clean the filter once every 20-30days, depending on your room condition. If filter is damaged, it should be replaced immediately.
 1. Hold the machine with your left hand, and pull the filter frame out with your right hand.
 2. Take the filter out of the filter frame. Tap the filter gently to clean. If the filter is very dirty, dip it into natural detergent solution. Gently wash the filter , and then rinse it thoroughly with water.
 3. Put the cleaned or new filter back into the filter frame in proper position. Then gently insert filter frame back to machine.
- Please prefer to the instruction. Any changes will not be informed.

Suitable Place For Use

This machine is widely used in developed countries. Besides cooling, it has air purifier, negative ion emission, and operate in low noise. So it is widely use in meeting room, bedroom, study room, guest room, computer room, office, ward, public places, etc.

TECHNICAL SPECIFICATION

Item	Specification
Rated Voltage:	220V
Rated frequency:	50Hz
Rated Power	75W
Negative ion density	$\geq 2 \times 10^6$ n/cm ³
Timer setting range	0.5-12hours
Wind volume	>300m ³ /h

INSTRUCTION MANUAL

BRIEF INTRODUCTION FOR PRODUCTS:

This model includes cooling, filter, sterilization, odor removal, negative ion emission functions, and the following features:

- Unique and elegant design with smooth edges.
- Large size LCD display shows time setting, room temperature, fan speed, clock, calendar, etc.
- When cooling the unique rotating “water curtain” takes the heat away and cools the room. It operates in low noise < 38dB. Cooling is power efficient, only 75W.
- Single- pole high voltage system (safety protected inside machine) emits high-density negative ion to kill virus, bacteria, and germs in the air.
- This machine has adopted an advanced active carbon filter technology that has over 95% efficiency.
- It contains an intelligent microcomputer that makes this machine easy for you to use.

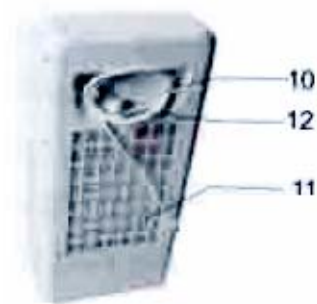
STRUCTURE

Outer overview

1. Control panel
2. Wind outlet
3. Mode No
4. LCD
5. Water tank panel
6. Water tank
7. Water level window
8. Wheels
9. Ice box

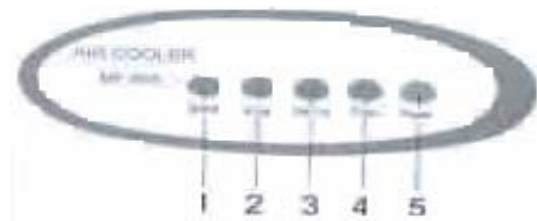


10. Wire hook
11. Filter
12. Power wire



b) Control panel

1. Wind speed button
2. Wind direction button
3. Cooling button
4. Timer button
5. On/Off button



c) LCD Display

1. Cooling
2. Environmental temperature
3. Wind speed
4. Current time
5. Date
6. Week
7. Adjusting button 1
8. Adjusting button 2

HOW TO USE

1. Open water tank panel, pour water or icy water in until the water level indicator reaches the middle of “HI” and “LO”, pull out box, pull small ice or broken ice into the ice box and push back ice box, close water tank panel.
2. Start machine: press “On/Off” button, the buzz will alarm once and power indicator is on. While machine is under running mode, press “On/Off” button once, machine stop running and timer setting is canceled, meanwhile, timer can be set for automatically running. Other information (running mode, wind speed, wind direction) is remained in the machine.
3. Timer button: While machine is under running mode, press Time button to set desired machine off time. Once press increase time 0.5 hour, up to 12 hours. The LCD indicates the time for machine to off. While machine is connected by the power, and not under running mode, press Time button to set desired machine start time. Once press increase time 0.5 hour, up to 12 hours. The LCD indicates the time for machine to start.
4. Cooling button: While switch is to cooling mode, press cooling button, the green light is on and synchronous electromotor of water curtain, fan electromotor running under cooling mode, press button once more for stopping.
5. Wind direction button: Press Wind button, the light is on, airflow grid swing at angle up to 120°, press once more to stop swinging and the light turn off.
6. Wind speed button: Press wind speed button to adjust wind speed. Wind speed change at sequence of “medium-high-low-medium”.
7. LCD Display: There is nothing displayed in LCD while the unit is not connected with power. Machine backlight is on once it gets connected with power, and LCD display date, week, current time, and environmental temperature. You can adjust week and date via side adjusting button. You can set machine automatic starts time while the machine is connected with power. Also you can set machine automatic off time while machine is under running mode. The machine starts with “low” wind speed while pressing cooling button. You can select subjects via adjusting button 1, and adjusting them via adjusting button 2.

MAINTENANCE NOTES:

- Machine on a flat surface.
- Do not place objects on top of the machine.
- Use the drain hole for drainage. Do not lift the machine.
- Wash the water tank periodically.
- Unplug the machine if you won't use the machine for a long time.
- Do not use this machine in rain or heavy moisture environment.

Use ours company parts for maintenance. We are not responsible for any loss or body injury caused by using third-party parts or unauthorized maintenance person.

TROUBLESHOOTING GUIDE:

Cannot turn on the machine:

- Check Power plug for loose connection.
- Check the fuse to make sure it is not burned.
- Check power supply voltage to make sure it matches the machine voltage.

The remote control does not work:

- Make sure the batteries are inside. Try to use new batteries.
- Make sure the remote control is pointing at the signal receiver.

There is alarm when cooling:

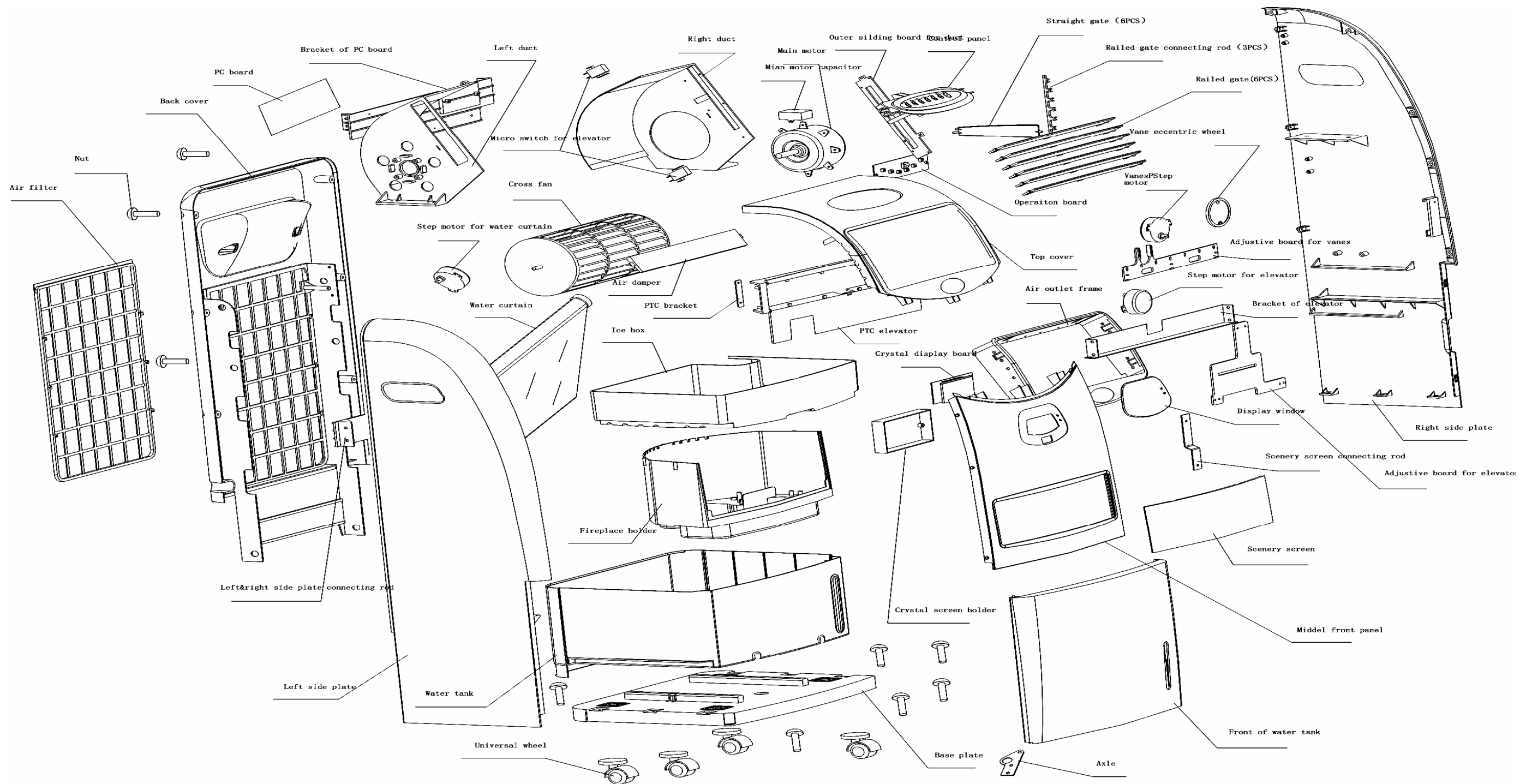
- Please check the water level, whether it has reached the limit marked as “MIN”.

The pump cannot pump enough water:

- Check whether the pump filter is blocked, clean the pump if necessary.

For all other malfunctions, contact professional technician.

EXPLODED VIEW



PART LIST

No	Part name	Qty'
1	Bracket of PC board	1
2	PC Board	1
3	Back cover	1
4	NUT	8
5	Air filter	1
6	Left & Right side plate connecting rod	2
7	Left side plate	1
8	Water tank	1
9	Universal Wheel	4
10	Left duct	1
11	Micro switch for elevator	2
12	Cross fan	1
13	Step motor for water curtain	1
14	Water curtain	1
15	Fireplace holder	1
16	Right duct	1
17	Air damper	1
18	PTC bracket	1
19	Ice box	1
20	Main motor	1
21	Main motor capacitor	1
22	PTC elevator	1

No	Part name	QTY'
23	Crystal display board	1
24	Crystal screen holder	1
25	Base plate	1
26	Railed gate connecting rod	3
27	Railed gate	6
28	Vane eccentric wheel	1
29	Operation board	1
30	Top cover	1
31	Air outlet frame	1
32	Axle	1
33	Vanes P step motor	1
34	Adjustable board for vanes	1
35	Step motor for elevator	1
36	Bracket of elevator	1
37	Display window	1
38	Right side plate	1
40	Scenery screen connecting rod	1
41	Scenery screen	1
42	Middle front panel	1
43	Front of water tank	1
44	Outer Silding board fpr duct	1
46	Control panel	1
47	Straight Gate	6
48	Adjustable board for elevator	1

CIRCUIT DIAGRAM

