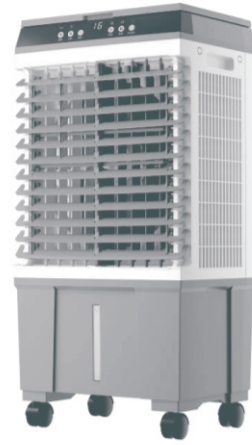




20L WATER AIR COOLER

Operation User Manual



FN-20AC-FAN
(JH-310Y)

INTRODUCTION

Thank you for purchasing our air cooler.

Each unit has been manufactured to ensure safety and reliability.

Before first use, read the instructions carefully and keep it for further reference

TO USERS

Dear users:

First of all, thank you for choosing and using our air cooler. Before using our product, please read this manual carefully. For the safety of you and your family, be sure to follow the instructions in this manual.

WORKING PRINCIPLE

The draught fan does a suction to make a subpressure, at the same time the pump carries the water to the distribution instrument to make the wet curtain moist.

The hot air passes through the wet curtain, and the heat is absorbed by the evaporating water, then the temperature comes down. The cool air is blown out by the fan. The unevaporated water would drop to the water tank and form a circulation.

Please open the window and the door when you are using this machine.

To keep fresh air circulating smoothly, the best way is to place it in front of the ventilation corridors.

SAFETY RULES

1. Before any maintenance, make sure the machine is in the "off" state, and the power is switched off. In order to avoid the electric shock, please connect the grounding socket correctly, and guarantee the connection of the grounding device with the function of automatic protection from faults.
2. This machine cannot be used by children and people who lack relevant knowledge or experience, or the people with impaired sensory or mental disorders. Children should not be allowed to play with this machine.
3. Please stop using the machine immediately if the power cord aged or the plug damaged, it should be repaired by professional staffs.
4. Do not use any corrosive or solvent detergent for cleaning. It is recommended to use wet cloth to wipe the machine instead of flushing the machine. Please avoid the machine exposed to direct sunlight.
5. It is strictly prohibited to use this machine in a circumstance with inflammable or explosive gas.

PRODUCT PARAMETERS

Model No.	Rated voltage	Power	Water tank	Product size
FN-20AC-FAN	120V 60Hz	100W	20L	15"x11"x30.75"

OPERATION INSTRUCTIONS

1. Filling water: As shown in figure 1, open up cover plate, filling slowly with clean water.



figure 1

2. The usage of ice-box:

- i. If you use ice-box for the first time: open the lid, inject water up to the scale, then tighten the lid.
 - ii. Set aside for 30-40 minutes, till the water and ice crystal mix completely.
 - iii. Put the icebox in the refrigerator's freezer room to stay for two hours.
 - iv. Take the icebox out and put it into the air cooler's ice container in order to cool down the water temperature.
 - v. After using it for a long time, the ice crystal turns to jelly, please put it in the refrigerator again. It can be recycled and reused.
3. The drain outlet is on the bottom, as shown in Figure 2. Loosen the drain nut, and tilt the machine body, the water tank can be completely emptied. The machine should be regularly drained and cleaned. If it will not be used for a long time, please empty the water tank.



Figure 2

CONTROL PANEL



- Power: press this button to open the air cooler; press this button at any state to stop the operation.
- Swing: control the left-right swing, press again to stop swinging.
- Cool: press to open or close the cooling system.
- Timer: press to set timing system. The timer range is from 1h-12h.
- Speed: set wind speed.
- Mode: press to change the wind type, natural wind or normal wind.
- Notice: do not open the cooling system when the water tank is empty.

CLEANING AND MAINTENANCE

Warm prompt: After long-time operation, dust accumulation on the pre-filters and the wet curtain would affect the airflow and air purify.

Please clean the machine regularly.

1. Clean pre-filter
 - Turn off the power, loose the screws, then pull out the pre-filter, clean it with soft brush and mild detergent, rinse by water and dry under the sunshine.
2. Clean wet curtain
 - Turn off the power, loose the screws in the back-cover plate, take out the back-cover plate.
 - Loosen the plastic nuts on the wet curtain, the side of wet pad can be removed. Clean it with soft brush and mild detergent, rinse by water and dry under the sunshine, then install back to the machine.
 - If the dirt is hard to remove after long-term usage, please change a new wet curtain.
3. Clean the surface
 - Turn off the power, clean it with mild detergent and soft cloth.
 - Notice: control panel shall not be touched by water.

FAULT AND MAINTENANCE

"Failure" phenomenon	Possible results	Solutions
LED display is light off	1. The power cord is unplugged or poor contact. 2. LED screen is damaged. 3. Circuit board error.	1. Plug in the power to form a good connection. 2. Replace LED screen. 3. Replace circuit board.
Water pump doesn't work	1. Water-pipe blockage. 2. Without long-term water cooling. 3. Poor water quality to produce scale make central shaft stuck.	1. Use a small brush to clean the pipe and keep smooth water flow. 2. Long time for cooling without water cause pump damaged, need to replace a new water-pump. 3. Remove the shaft, clean the dirt on the surface, add proper lubricating oil insert it, and debug the shaft.
No wind or wind speed is too slow	1. The fan blades are stuck. 2. The filter is blocked. 3. Fan blade is not fixed. 4. Main control panel error.	1. Check the fan blade. 2. Clean or replace filter. 3. Replace fan blade. 4. Replace main control panel.
Motor is out of control	1. Main control panel button is broken. 2. The wiring of the motor and control panel falls off.	1. Replace main control panel. 2. Replace a new wire to connect the motor and control panel.
Drain valve is leaking	1. Drain valve is broken. 2. Rubber band drop.	1. Replace the drain valve. 2. Add a new rubber band.

For your safety concerns, please make sure to follow the instructions above.

1. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the appliance.
3. If the supply cord is damaged, it must be replaced by manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. Ensure that the fan is switched off from the supply mains before removing the guard.
5. 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 have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
6. Unplug the appliance during filling and cleaning.

CUSTOMER SUPPORT

E-MAIL: SUPPORT@RTAPRODUCTS.COM

www.technihome.com