

Evaporative air cooler



AKAVEE

CONTANTS

<i>PREFACE</i>	2
<i>Cautions and warnings</i>	2
<i>Model Selection</i>	3
<i>Display for controller</i>	4
<i>Technical parameters</i>	4
<i>Maintenance</i>	5
<i>APPLICATION</i>	5
<i>Faults and solutions</i>	5
<i>Warranty</i>	6

PREFACE

We sincerely thank you for your trust and support for our products, thanks for choose our household air-conditioning fans series products.

The real object may be slight difference with the picture in this operating manual, because of the continuous product updates, in kind prevail, which will not affect the applying performance of the product.

Please carefully read this operating manual before operating it.

Product instruction

This product should be install and adjust by professional, we do not suggest users install by themselves.

A、 Notice and warnings

1. In order to reach ideal cooling effect, please use the products under following condition correctly:

①Environment Temperature: 18℃-45℃;

②Environment humidity: ≤85%;

③Pressure: 86Kpa-106Kpa

④Supply water should be clean water or softening treatment. Water temperature≤45℃, Water pressure: 0.15-0.6Mpa

⑤The air quality should be reach GB3096 three class (include three class) standard;

⑥noncorrosive environment.

2. Supply power voltage should be among+ -5%, If voltage too low, it will cause the machine stop. For first use, the machine must be tested, to make sure it will work among rated currency.

3.The controller and controller wire should be far from Electromagnetic interference source, and try to avoid Parallel to the power cord. If have to ,must keep the distance longer than 30CM.

4. Cooler must be installed in a ventilated and dry position to ensure that the air-conditioner inhales 100% of the fresh outdoor air and avoids the air-conditioner inhaling the exhaust gas from the indoor.

5. To avoid send the air into a closed indoor space, the place where the air cooler is used must have enough exhaust. The open doors and windows should be as far away as possible from the outlet to help the air flow. The exhaust outlet area of the room is about 2 times that of the outlet. When building design can not provide adequate ventilation, mechanical ventilation should be considered, such as installation of exhaust fans; mechanical ventilation and natural ventilation can be combined.

6. In thunderstorms, stormy weather, must stop use machine.

7. In winter, if you do not use this machine, you need to empty the water tank and the water intake system to prevent water deterioration, as well as ice damage to the parts of the air conditioner.

8. If the power cord is damaged, special power lines supplied by the manufacturer or service agent must be replaced.

9. When installing and maintaining the machine, it is necessary to ensure that the power is cut off to ensure safety.

10. During the installation, use and transportation of the air-conditioners, attention should not be paid to the welding of Mars or other sources of fire.

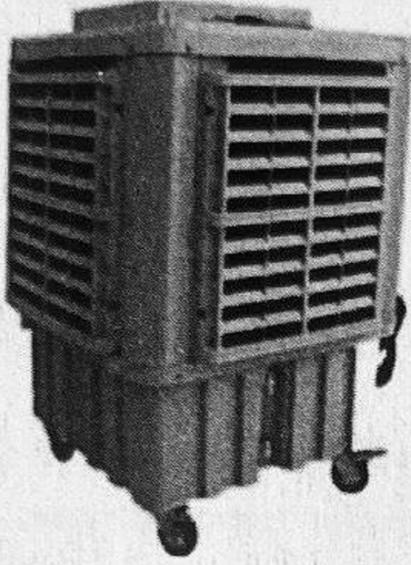
11. Installation, maintenance and repair of the machine should be carried out by professionals. Non-professionals should avoid disassembling and assembling the machine. Since air conditioners are generally installed outdoors, we recommend that they be maintained and inspected by approved distributors or maintenance agents. Climbing may be dangerous and may cause damage to oneself or product loss.

12. The equipment is not suitable for children or disabled or mentally handicapped personnel to be used without supervision.

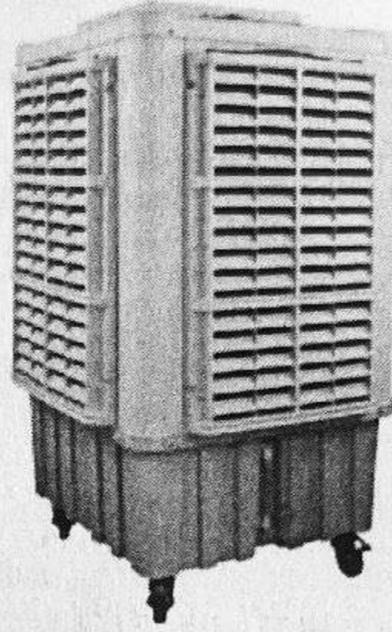
13. In the beginning of a cycle, the warm curtain will give a slight taste. This "new smell" is normal and will soon disappear in operation.

2、 Selection of model

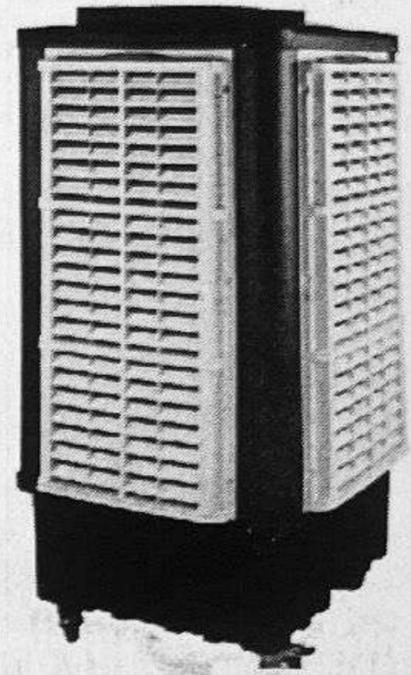
1、 Main body



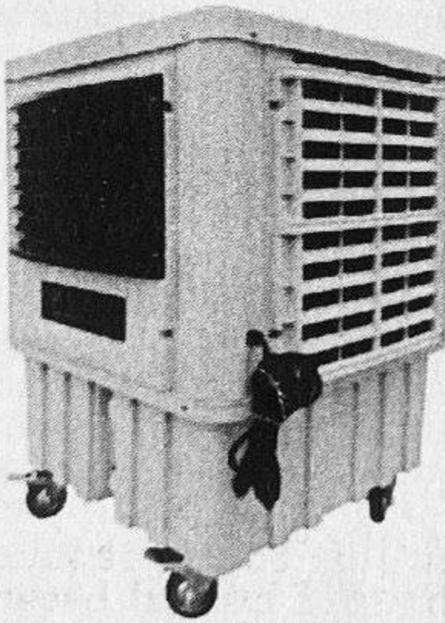
AKV-04H



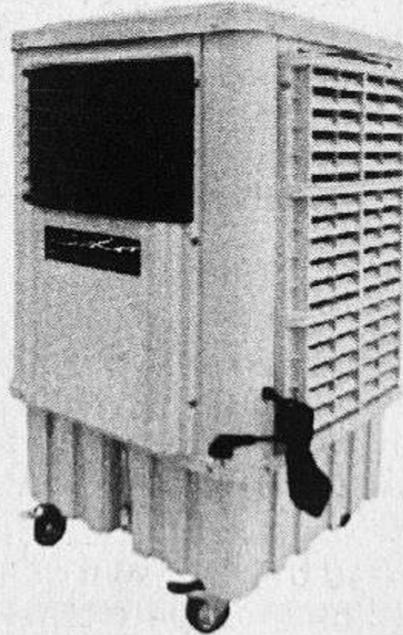
AKV-50H



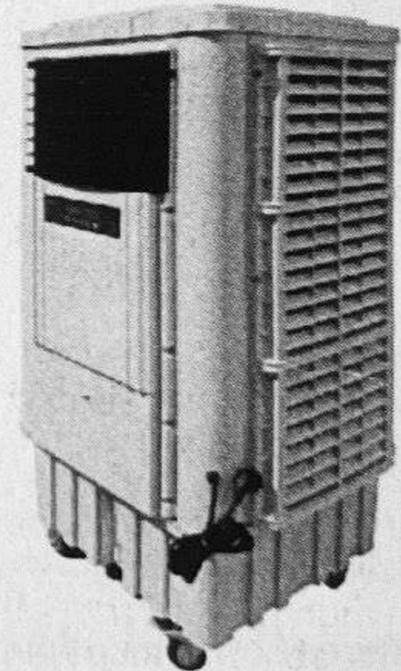
AKV-70H



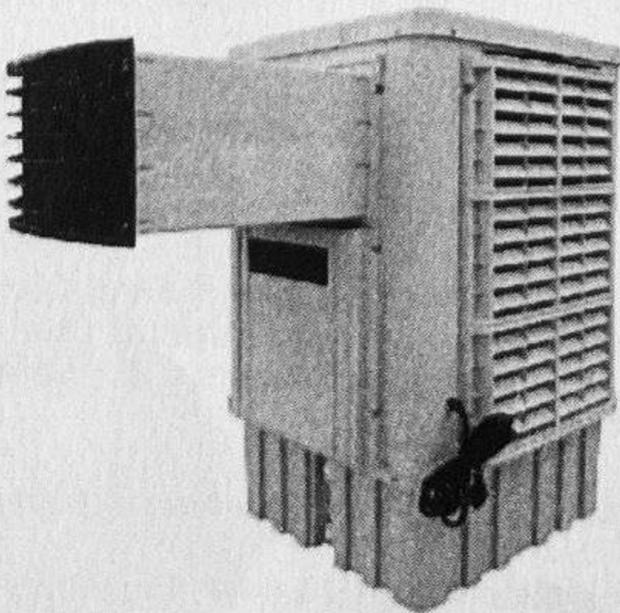
AKV-04HC



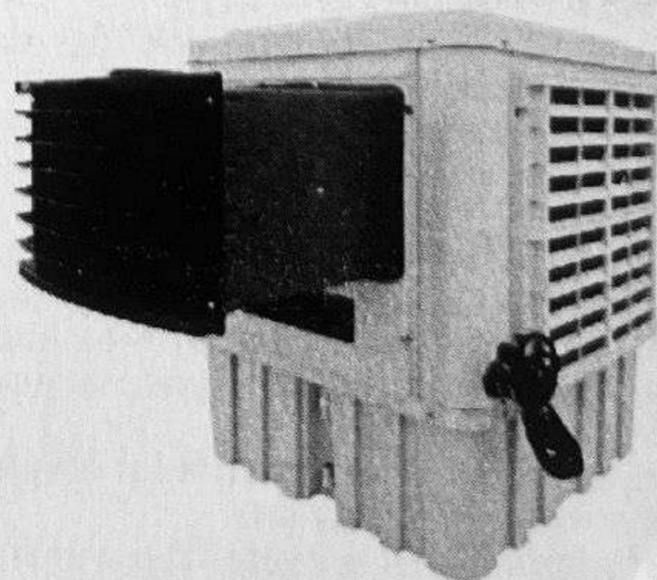
AKV-50HC



AKV-70HC



AKV-50HW



AKV-035HW

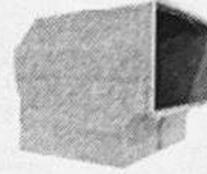
2、 Duct



Joint



L bent



Big bent



Stretch duct



Air outlet



Duct

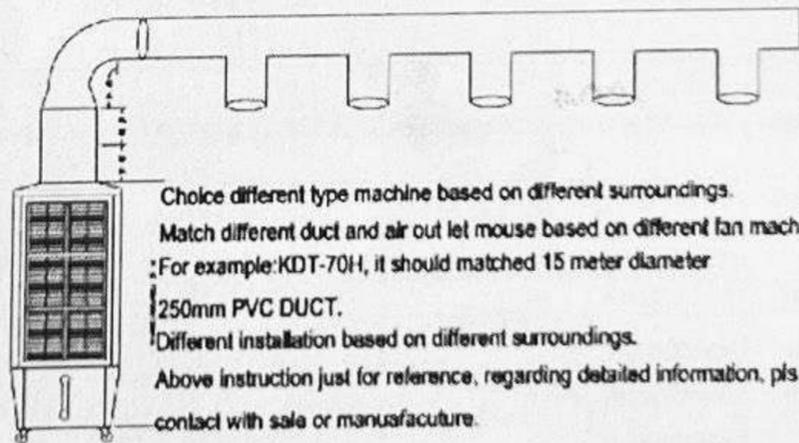


Fixed duct

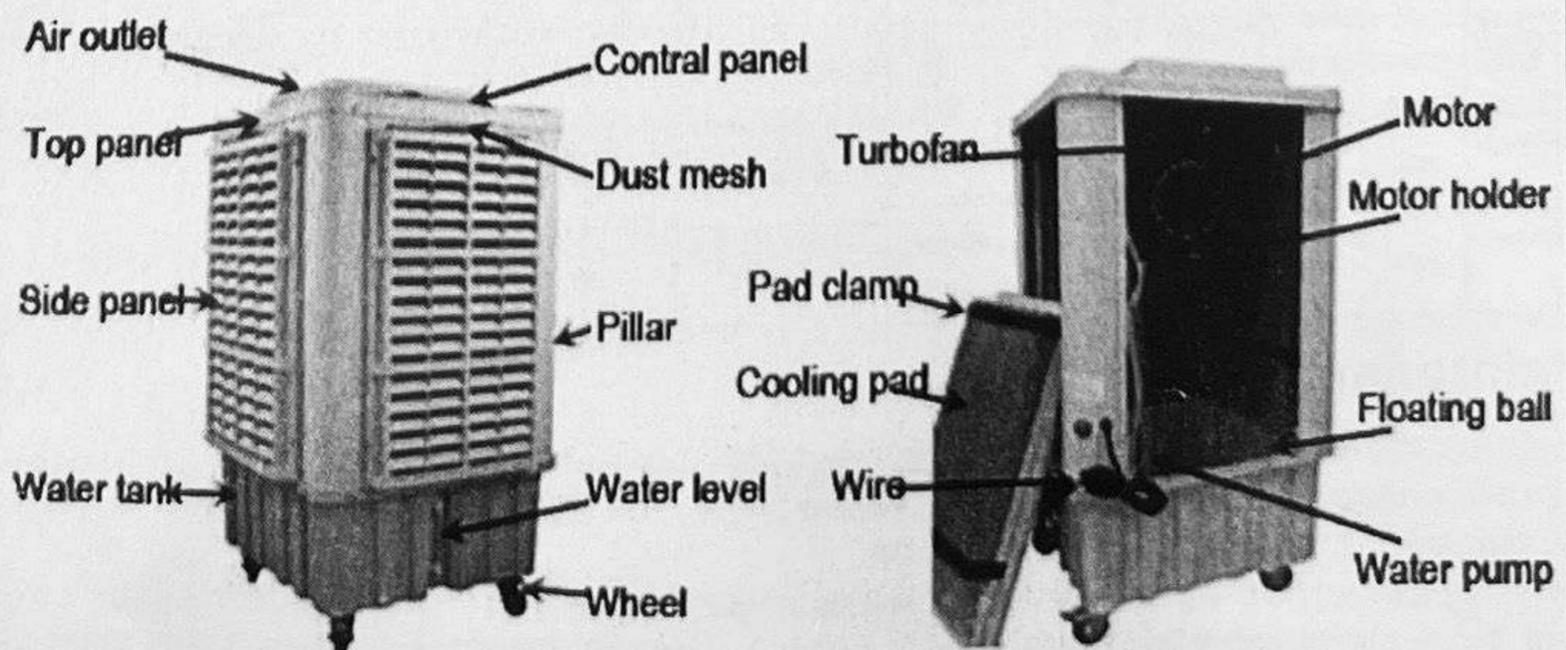


Swing door

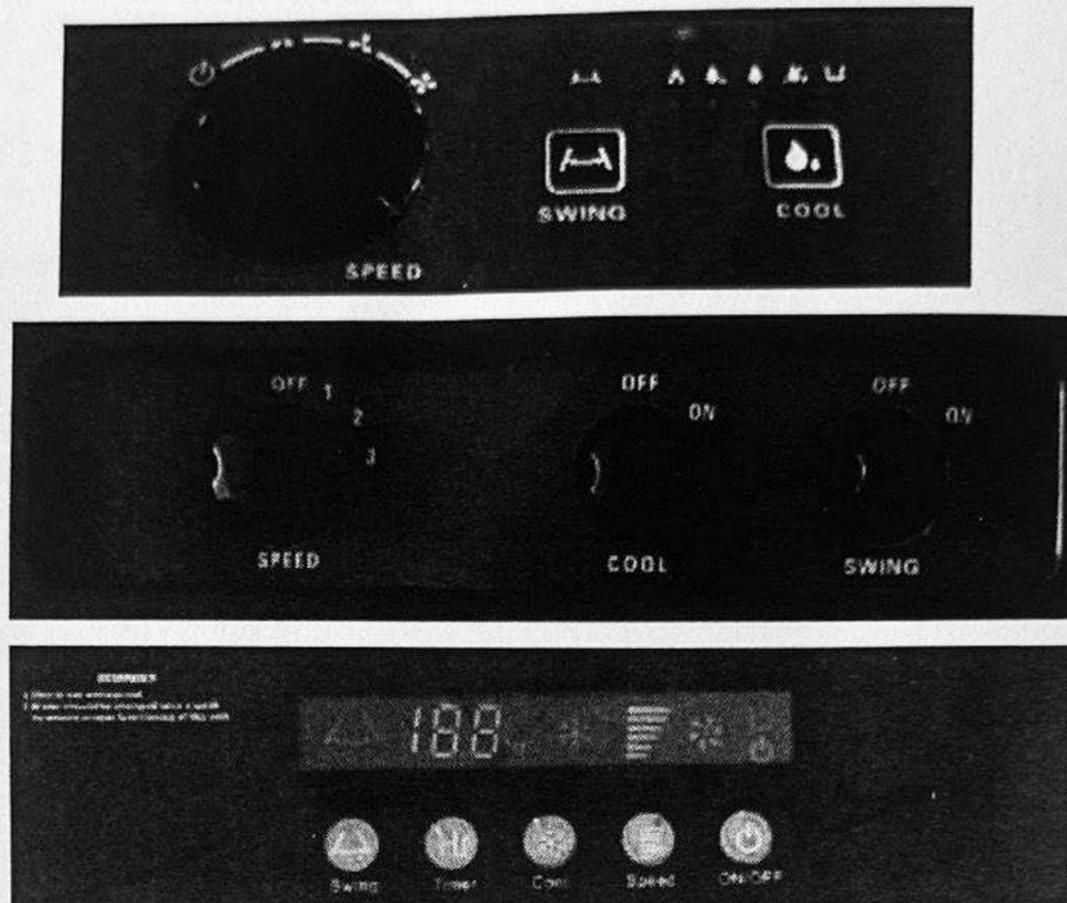
3、 Install sketch map



4、 Product structure diagram



3、control panel



- 1、 “SPEED” Button: can adjust the speed of fan (low, medium, high)
- 2、 “SEING” Button: Control the swing, turn left or right.
- 3、 “COOL” Button: control the pump supply water.

4、 Technical parameters

Model	Airflow	Voltage	Electric current	Frequency	Power	Blowertype	Waterconsumption	Watertankcapacity	Windousize	Overallsize	Application area	Noise	Air-out-way
AKV-70H	8000m3/h	220V	5.2A	50/60Hz	1000W	Centrifugal-f low type	8-10L/H	50L	35×330mm	720×720×1350mm	50-60 m²	≤60dB	Blow-up
AKV-50H	6000m3/h	220V	2.3A	50/60Hz	500W	Centrifugal-f low type	6-8 L/H	50L	35×330mm	720×720×1100mm	40-50 m²	≤55dB	Blow-up
AKV-04H	4500m3/h	220V	1.8A	50/60Hz	390W	Centrifugal-f low type	4-6 L/H	50L	35×330mm	720×720×820mm	20-30 m²	≤50dB	Blow-up
AKV-70HC	7000m3/h	220V	2.6A	50/60Hz	56W ⁰	Centrifugal-f low type	7-9 L/H	50L	37×340mm	720×720×1300mm	40-50 m²	≤55dB	Blow-side
AKV-50HC	6000m3/h	220V	2.3A	50/60Hz	500W	Centrifugal-f low type	5-7 L/H	50L	37×340mm	720×720×1050mm	30-40 m²	≤55dB	Blow-side
AKV-04HC	4500m3/h	220V	1.8A	50/60Hz	39W ⁰	Centrifugal-f low type	3-5 L/H	50L	37×340mm	720×720×800mm	20-30 m²	≤50dB	Blow-side
AKV-50HW	6000m3/h	220V	1.8A	50/60Hz	390W	Centrifugal-f low type	5-7 L/H	50L	37×340mm	720×720×950mm	30-40 m²	≤55dB	Blow-side
AKV-035HW	3500m3/h	220V	1.1A	50/60Hz	150W	Centrifugal-f low type	3-5 L/H	50L	37×340mm	720×720×700mm	15-20 m²	≤50dB	Blow-side

5、 Maintenance

- 1、 Dust mesh: According to the local air quality, it is necessary to check whether the dust-proof net (at least once a month) is blocked, and remove the dust-proof net in time for cleaning to ensure smooth operation.
- 2、 Cooling pad cleaning: remove the wet curtain paper and wash it under water, but do not use high-pressure water, which will destroy the wet paper. Cleaning from the inside to the outside and the edge of the wet curtain paper, do not use any detergent to avoid damaging the wet curtain paper.

3. Drainage Cleaning: Open the drain, drain the remaining water, use a soft cloth to wipe off the dirt in the water tank, but also to clean the dirt on the pump and sewage valve.
4. Main body cleaning: When cleaning the outside of the machine, please use ordinary soap and clean soft cloth. If you use strong chemical detergent, it will destroy the outside of the machine.

6. Application:

MANUFACTURING: Mechanical manufacture, Ceramic, Metal, Textile industry, Foundry industry, Injection molding industry, etc.

PROCESSING: Mechanical processing, Electronic processing, Printing processing, Rubber, Food processing, Tobacco processing, flowers and so on.

OTHERS: Staff Dormitory, Office, Schools, Hospital, Waiting Room, Entertainment, Supermarket, Restaurant, Bakery, Kitchen, Golf Course, Living Room, Housekeeping Department, Laboratory, Guesthouses, etc.

7. Faults and solutions

Faults	Reason	Solution
- When start to work, no air or low airflow	- Fan broken - Cooling pad or mesh blocked - Fan blocked	- Change blade - Clean cooling pad/Mesh - Check fan
- do not cool	- Pump block - Pump burn - Water pipe fall off/ Water distributor block	- Check water pump - Fasten clamp/ clean water distributor
- Swing do not work	- Motor burn - Shedding of core - crankshaft and connecting rod fall off	- Change motor - Loading screws with curved core parts - Reinstall and reset
- Water leakage of outlet	- Drain nut release	- Tighten the nut again.
- Fan spread water	- Water pipe fall off	- Check pipe reinstallation

Tip: The contents in the above table are for reference only. If you need help with technical problems, please contact the manufacturer and agent.

8. Warranty description

Warranty description

1, the quality of the products produced by our company is in conformity with the relevant national standards. Under the condition that users abide by the rules of custody and use of all kinds of products of our company, the whole machine will be repaired for one year because of faulty manufacturing quality from the date of sale.

2, the following circumstances are not within the scope of free warranty:

1. Failure or damage caused by unauthorized dismantling and replacement of spare parts inside the machine.

(2) Faults or damages (such as unstable voltage, low water pressure, impurities in water source, etc.) caused by inconsistent use environment with product requirements.

Failure or damage caused by non resistable factors (such as fire, earthquake, etc.).

Failure or damage caused by incorrect installation or other human factors.

