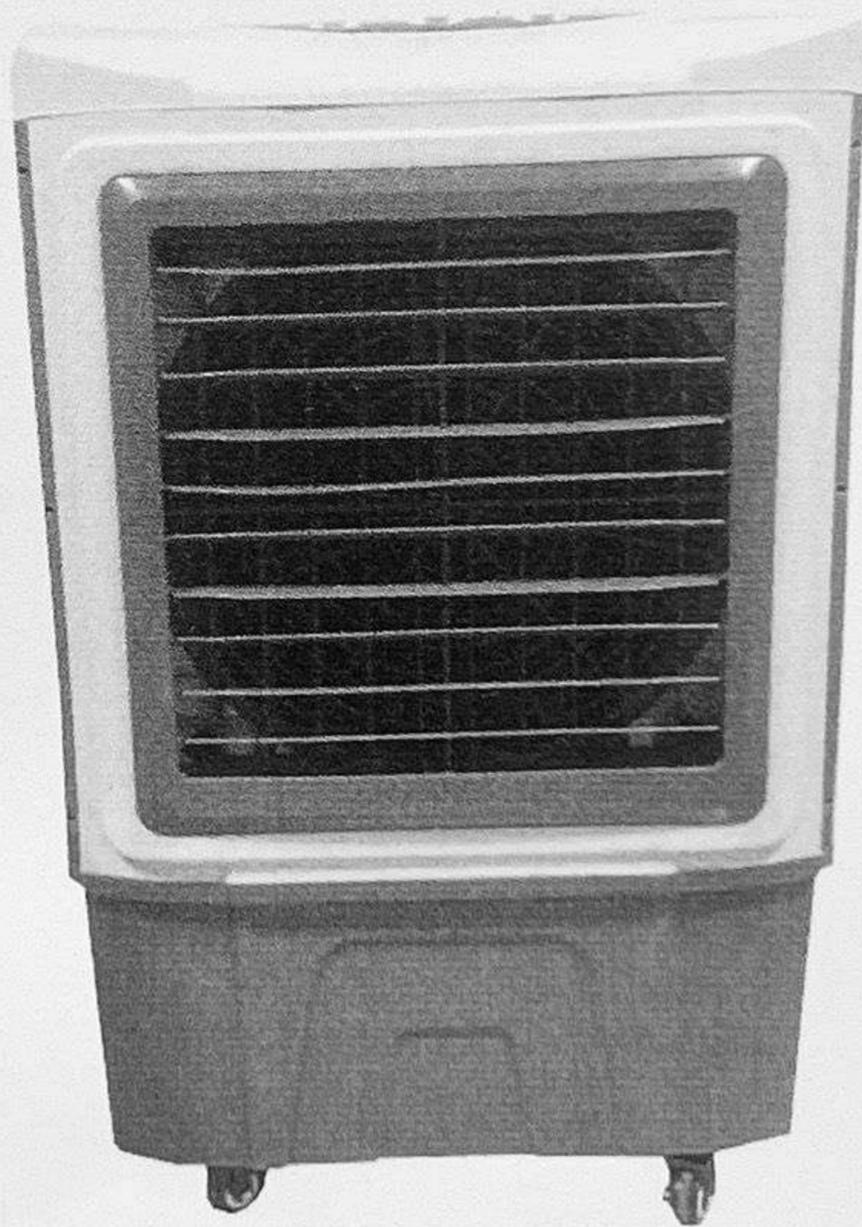


# Evaporative Air Cooler



**AKV-05A**

**AKAVEE**

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## AKV-05A 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.

### Package :

<u>Mobile household air-conditioning fan</u>	<u>1Unit</u>
<u>Operating Instruction</u>	<u>1Piece</u>

## **AKV-05A PRINCIPLE**

Mobile household air-conditioning fan is a high-tech product, originally from Europe. It's basic principle is as follow:

1. Water pump transport the water from water tank to the water distribution and cooling pad at the same time.
2. Air goes through the cooling pad, water evaporation drives away the surrounding heat and causes the temperature to cool down.

The water continuously wetting the cooling pad surface, the wind evenly through the cooling pad, absorbing heat from the air, transforming into cool wind, cooling down the environment temperature.

The cooling pad can make the wind cool and fresh. The water continuously entering the water tank, forming the inside water cycle. There is a water level indicator at the panel. So when the water level indicator reaches the low water level, it needs to add water.

## **AKV-05A 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.

## **AKV-05A TECHNICAL PARAMETER**

MODEL	AKV-05A
Max Airflow	5000m <sup>3</sup> /h
Voltage/ Frequency	100-127V/220-240/50-60Hz
Power	150W
Blower Type	Axial-flow type
Water Consumption	4-6L/h
Water Tank Capacity	45L
Overall Size	680×425×1050mm
Weight	18kg
Application Area	20-30 m <sup>2</sup>

## **AKV-05A PRODUCT FUNCTION**

New evaporative cooling pad, energy saving and environmental

Three sides of ventilation design.

Through the cool wind to improve the air quality.

Large capacity water tank, for longer operating hours.

Multi-angle circle wind, fresh and comfortable.

Have obvious cooling effect.

Manual control, easy to operate.

## **AKV-05A ADDED FEATURES**

Mobile AKV-05A has these added advantages and other special features:

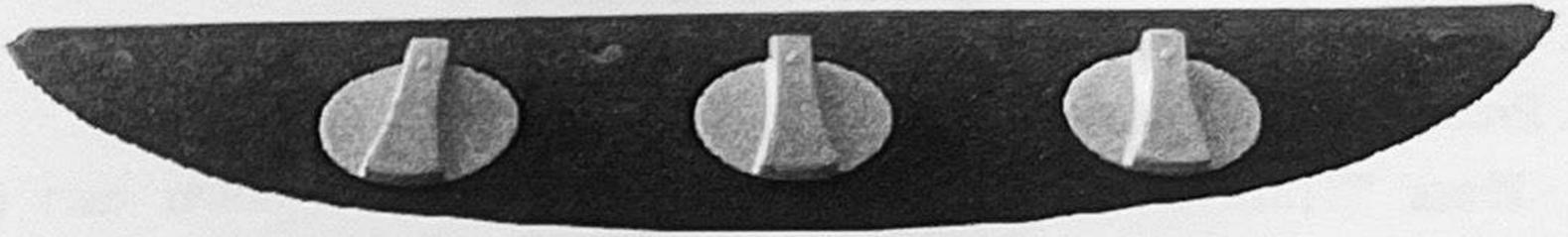
1. Specially designed durable blade and water-proof fan motor.
2. Multi-layered honeycomb fiber cooling pad for better water absorption.
3. The big and thick cooling pad more advantageous to send out a lot of cool wind.
4. The control panel is more convenient to use.

## **AKV-05A IMPORTANT REMINDER**

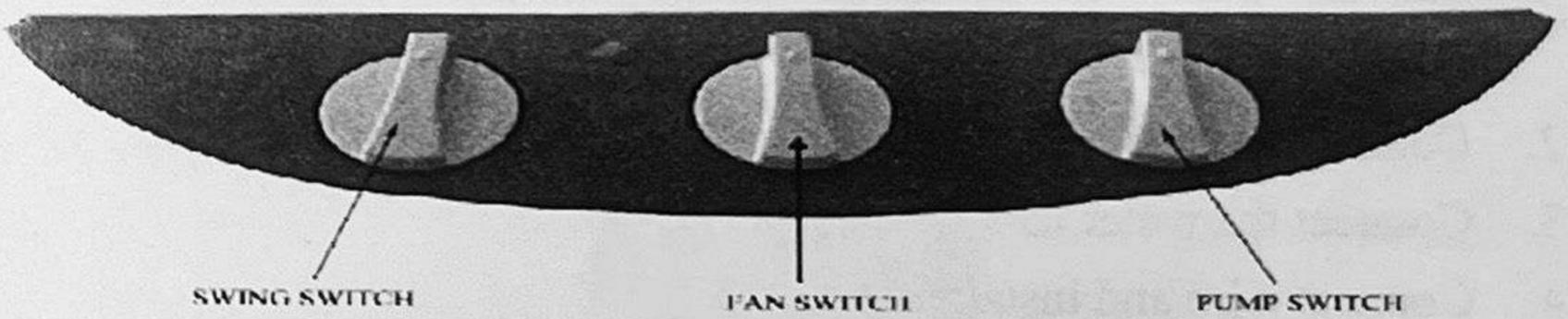
Before using the machine, please read the guide book carefully and operate according to this instructions:

1. Use the machine in the following condition:
  - ① Temperature: 0°C-45°C
  - ② Water Temperature: <45°C
  - ③ Electric voltage must not exceed the required volt (+/-) 5%
  - ④ No pollution of surrounding
2. The circuit of the machine must be properly connected and protected ground wire to prevent mouse bites. Trampled or over-stretched, which may cause short circuits. Using wrong electric shock.
3. Do not use wrong circuit or other wire metal made of other materials which may cause machine malfunction or explosion.
4. Please do not make the pump work without water
5. The fan is connected with motor directly, no transmission belt using, no need to lubricate.

# AKV-05A CONTROL PANEL



# AKV-05A REMOTE CONTROLLER



## **AKV-05A OPERATION INSTRUCTION**

1. Press "ON/OFF" button.
2. Press "COOL" button to activate cooling function, then the water pump will pour the cooling pad for one minute, then the fan will work.
3. Press "SPEED" for desired speed (Low. Medium. High)
4. Press "SWING" if desired.
5. Press "TIMER" button, if you need to set time. When start the machine, press "TIMER", which means shutting down at a regular time, then press it until "00", which means canceling the function of setting time. Press "TIME", which means starting the machine when you shut down, press it until "00", which means canceling.

## **AKV-05A INSTALLATION**

1. Fix the pump on the tank, and using pipe connect the water distributor.
2. Connect the Motor with motor arm and screw on the air outlet.
3. Connect the water tank and casing.
4. Connect wire and install plug.
5. Put on the cooling pad and safe net.

# AKV-05A PRODUCT STRUCTURE DIAGRAM



## **AKV-05A CLEANING TIPS**

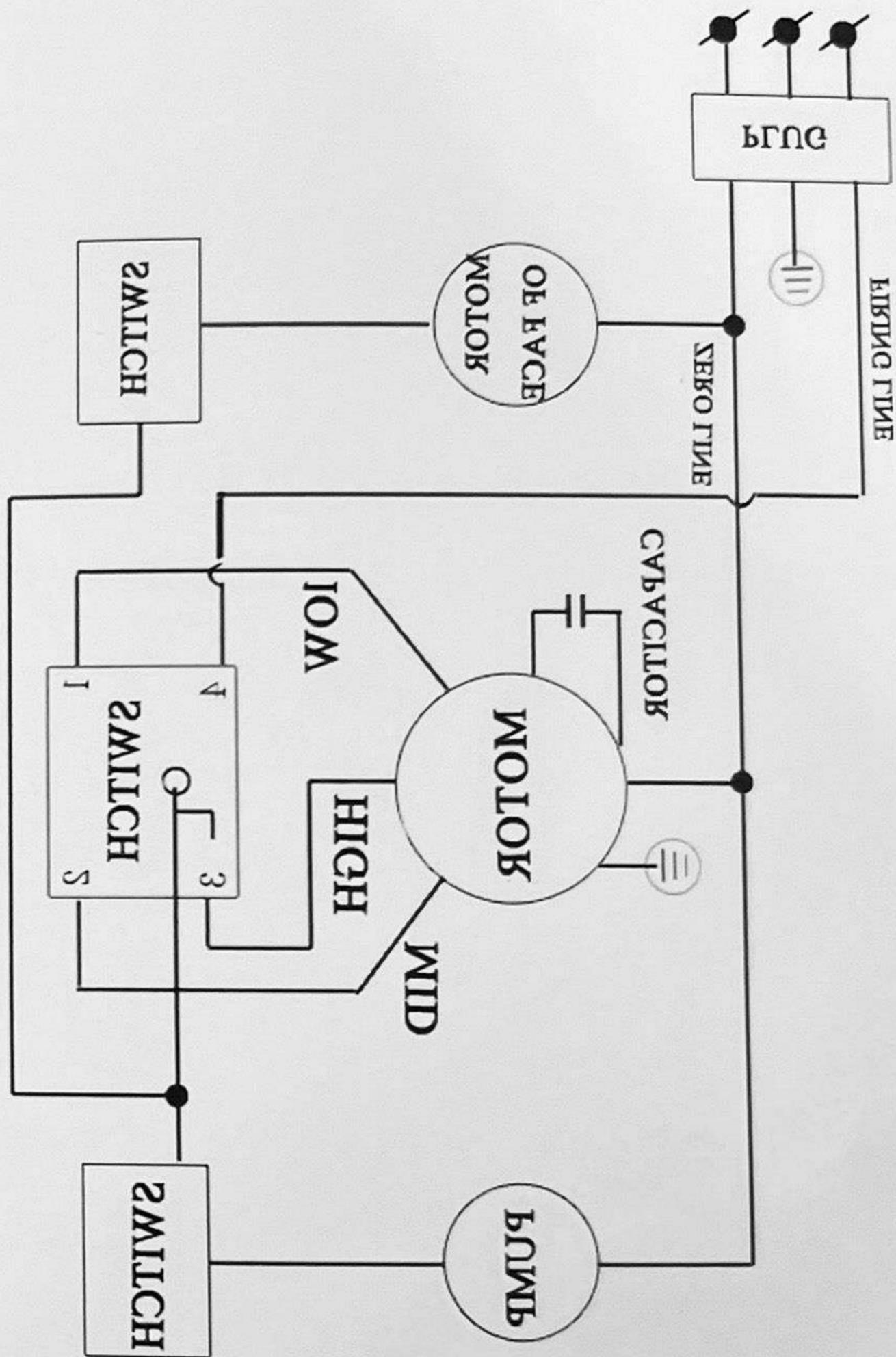
TO ENSURE THE AKV-05A RELEASES FRESH AND CLEAN AIR, ALWAYS CHANGE THE WATER WHEN DIRTY AND REGULARLY CLEAN THE FILTER AND THE DUSTPROOF NET.

1. Pull-out the Cooling Pad, Wash the cooling pad under running water but NEVER USE HIGH PRESSURIZED WATER as it may damage the pad. Wash from the inner-side to the outside of pad NEVER USE ANY CLEANER DETERGENT as it may damage the pad.
2. Open the drainage valve to remove remaining water then clean the water tank thoroughly with soft cloth to remove dirt. Also, wash off dirt on the water pump and the drainage valve.
3. Use mild soap and soft clean cloth in cleaning the outer body. USE OF STRONG CHEMICALS THAT MAY CAUSE DAMAGE TO THE BODY IS NOT ADVISABLE.

## **WARNING**

1. Keep away from fire during transportation installation and operation.
2. If abnormality occurred during operation. Contact us or agent.
3. Please use the machine in accordance to the instruction of the guide book. Any incorrect use causing the unit to malfunction, the supplier will not be held responsible.

# AKV-05A CIRCUIT DIAGRAM



**Cool & Comfortable**  
**Energy Saving & Environmental**