

Evaporative Air Cooler

User Manual

SAX9000



Smart Air System

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Chapter Nine – Technical Specifications

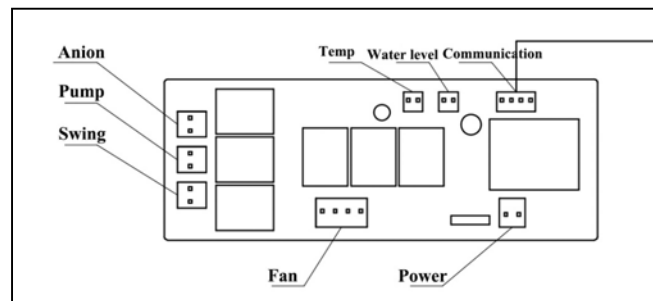
Specifications	
Airflow (m ³ /h)	9000
Pressure (Pa)	80
Power Consumption (kw)	0.20
Power Supply (V/Hz)	220/60
Rated Currency (A)	1.5
Dimension (mm)	1400x850x465
Net Weight (kg)	35
Fan Type	Axial
Speeds	Three speed
Noise (dB)	≤62
Dropper Dimension (mm)	645×685
Cooling Pad Dimension (mm)	688*630*100(1pc) 550*240*50(2pcs)
Operating Weight (kg)	120
Water Capacity (L)	100

Chapter Seven – Clean & Maintenance

Do turn off air cooler before cleaning or maintenance!

- 1) Cabinet Cleaning: please clean with mild cleaner and the soft cloth. Do not use petrol or alcohol;
- 2) Cooling pad cleaning: take out the pad and brush the dust on its surface with SOFT brusher.
- 3) Water tank cleaning: If automatic cleaning function is available, please active automatic cleaning function. If not, please loosen bolts and manually clean water tank.
- 4) Maintenance :
 - a) We suggest to clean cooling pad every two weeks to ensure the cooling performance;
 - b) We suggest to change water every day to make sure air is clean;
 - c) If there would be a long time no using the air cooler. Please power off and drain all the water. And add the net to avoid the dust or ice to prevent it from being damaged and the mosquito breeding.

Chapter Eight –Circuit Drawings



Chapter One - Foreword

Thank you for your trust and support for choosing our Evaporative Air Cooler, before you start, please read this manual carefully.

Chapter Two - Caution

- 1) The installation position of air cooler should be well-ventilated and dry, and make sure air cooler brings in 100% fresh air.
- 2) Avoid installing air cooler in a hermetic space, and make sure there is enough air outlet in the installation position.(3600m³/h airflow requires up to 0.8m² of exhaust area when natural exhausting, and the exhaust capacity should not less than 85% of airflow when mechanical exhausting.)
- 3) Before the first operation, please follow this manual to debug air cooler, and make sure operating current is within rated range.
- 4) Keep any source of fire away from air cooler during assembling or operation.
- 5) Operating voltage should not be 10V higher or lower than rated range. Lower voltage would result in failure in operation or frequent restart. If air cooler is operating with higher or lower voltage for a long time, it would be damaged.
- 6) Do not use air cooler, and turn it off in a bad weather conditions (heavy raining or thunder, etc), otherwise the air cooler will absorb moisture.
- 7) 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.
- 8) If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- 9) To ensure the cooler delivers fresh and clean air, regularly change the water when dirty, and clean both the dust filter and the cooling pads.

Chapter Three - Inspection and Preparation

- 1) Please open the side panel to check the parts and the technical parameters (the manual), if any parts are incomplete or breakage, leave it as it is, and inform us or local distributor.
- 2) The power supply should be same as rated voltage and frequency (220+/-10V/50Hz).
- 3) Make sure the water is clean with a steady hydraulic pressure at 0.15 to 0.3MPa (1.5-3kg f/cm2).
- 4) A globe-valve is needed near the inlet hose, and an extra hose connector is needed for cleaning.
- 5) Over-current and leakage protection switch should be added on the feed circuit, to protect the cooler, the wire net and the safety of people.

6.3.3 Mode Switch

Press "Cool" button on the control panel or remote controller to switch between cooling mode and ventilating mode;

If you switch from ventilating mode to cooling mode, air cooler will automatically switch to low speed, and switch back to previous speed after 30 seconds.

6.3.3 Swing

Press "Swing" button on control panel or remote controller will switch swing mode to ON or OFF. "Swing" indicator will be on if swing mode is on.

6.3.4 Anion

Press "Anion" button on control panel or remote controller will switch anion mode to ON or OFF. "Anion" indicator will be on if anion mode is on.

6.3.5 Timer

"Timer" is used for timing of automatically turn on or turn off, unit is hours. It will start timing when Timer is set. Timer set during operation will automatically turn off air cooler, timer set during standby mode will automatically turn on air cooler.

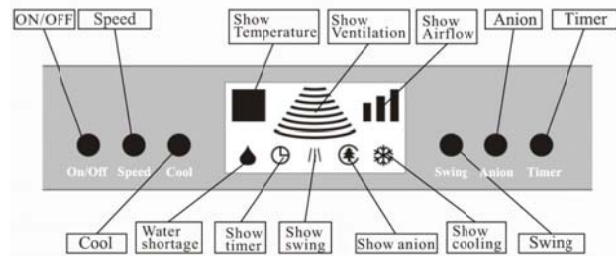
If you press "Timer" button, you will see "H x" on the control panel. X means the timer you set, unit is hours. At the meantime, "Timer" indicator will be flashing, press "+" or "-" to select a value you need (max value is 9). Timer will be set after 5 seconds. After timer is set, "Timer" indicator will remain on, and control panel will display temperature.

How to cancel the timer:

- a) Set timer as 00;
- b) Press the "On/Off" button when "Timer" indicator is flashing during setting;
- c) Press the "On/Off" button after the timer is active.

Chapter Six – Operation Guide

6.1 Control Panel Introduction



6.2 Remote Controller Introduction

- 1) On/Off: turn on or turn off air cooler;
- 2) Timer: check and set Timing;
- 3) Cool: switch between cooling mode and ventilating mode;
- 4) +: switch fan speed between low speed, medium speed and high speed (if it is in setting mode, it is used to increase value by 1);
- 5) -: switch fan speed between low speed, medium speed and high speed (if it is in setting mode, it is used to decrease value by 1);
- 6) Swing: switch on or switch off swing;
- 7) Anion: switch on of switch off anion function or ozone function (if this function is available).



6.3 Operation Introduction

Do make air cooler is connected to correct power supply system before you start.

6.3.1 ON/OFF:

In standby mode (power connected), press ON/OFF button on control panel or remote controller will turn on air cooler. The operating status/airflow will remain its previous operation status/airflow. If it is its first operation, the default status will be medium speed, cooling mode is on;

During operation, press ON/OFF button will turn off air cooler, and control panel will display temperature only.

6.3.2 Speed Adjust

Press "Speed" button on the control panel or "+" and "-" on the remote controller to switch fan speed.

Chapter Four – Air Cooler Assembling

4.1 Truckles & Foothold Frame Installation



Fig. 1



Fig. 2

- 1) Take two sets of assembled foothold frames, see Fig. 1;
- 2) Use two ST5*25 bolts to fix foothold frames onto water tank, see Fig. 2.

4.2 Rear Panel Installation



Fig. 3



Fig. 4

- 1) Use screwdrivers to remove all eight screws on the rear panel, see Fig. 3;
- 2) Take out two pieces of dust meshes from air cooler, and pull out rear panel, see Fig. 4.

4.3 Water Filling & Drain



Fig. 5



Fig. 6



Fig. 7

Water Filling:

- 1) Pull out the water inlet, see Fig. 5;
- 2) Fill in water at this water inlet, see Fig. 6;

Drain:

- 1) Loosen bolt at the drain position to drain. Then tighten again when no more water left, see Fig. 7.

Chapter Five - Inspection and Debugging before Operation

Before you start, please make sure:

- 1) Air cooler is steady installed;
- 2) Drain hose is connected;
- 3) No leakage in the water supply system;
- 4) Enough water in the water tank;
- 5) Power supply system is correct and all cables are connected correctly;
- 6) No litter in the water tank or air hose;
- 7) Operating current is within rated range;
- 8) No obvious shaking during operation.