



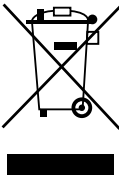
# • **Evaporative Air Cooler MAGI 7**





*This manual provides you with important information needed for setup, operate and maintain your **MAGI 7** evaporative cooler.*

*Failure to follow these instructions may damage and / or impair its operation and void the warranty.*

	CORRECT DISPOSAL OF THE PRODUCT
	<p>This marking indicates that the product should not be disposed with other household wastes throughout the EU.</p> <p>To prevent possible harm to the environment or the human health from uncontrolled waste disposal, recycle it responsibly promoting the sustainable reuse of material resources.</p> <p>To return your used device, please use the return and collection systems or contact the retailer where the product was purchased.</p>



## INTRODUCTION

Thank you for purchasing the **MAGI 7 Evaporative Air Cooler**. Please read all instructions carefully before setting up and operating this unit. This manual is designed to provide you with important information needed to setup, operate, maintain and troubleshoot the cooler. Failure to follow these instructions may damage and / or impair its operation and void the warranty.

## OPERATION PRINCIPLE

Evaporative coolers lower the air temperature by using the principle of water evaporation. When the water evaporates it becomes a mixture of air and water molecules. This chemical change requires heat which is taken from the water molecules, resulting in cooler air discharged from the cooler. It's the natural way of cooling, similar to a breeze blowing across a lake. This breeze lowers the temperature and creates a relaxing cooling effect.

## IMPORTANT NOTES

- ▶ This cooler is not intended for use by individuals (including children) with reduced physical, sensory or mental capabilities and lack of experience or knowledge, unless they are fully instructed regarding the proper operation of the cooler and are supervised by a person responsible for their safety.
- ▶ Children should be supervised at all times to ensure that they do not play with the cooler.
- ▶ If the supply cord is damaged, it must be replaced by the manufacturer, an authorized agent or a qualified technician in order to avoid damaging the cooler.
- ▶ Ensure the supply voltage is within the rated  $\pm 10V$  range, otherwise it the cooler will not operate properly, may not start or may stop frequently. This kind of behavior will damage the cooler.
- ▶ The evaporative air cooler should not be used within enclosed spaces. It must be kept level and the water tank always filled. It's recommended to have enough air exhaust in order to run the cooler. Mechanical and natural exhaust can be combined. The cooler works best when it's placed near an open window and the outside air is drawn into the cooler
- ▶ Always check the water supply to be sure there is no leakage and verify proper water level in the water tank. Do not over-fill the water tank to prevent spillover. Always use clean water to fill the cooler.
- ▶ Make sure that the cooler and power connection have proper grounding, otherwise it may cause electrical shock.
- ▶ Always disconnect the cooler from the power supply before cleaning and service.

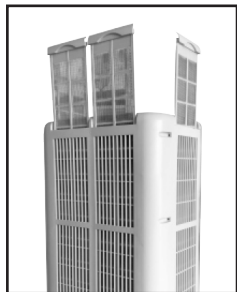


## ASSEMBLY

Please open the side panel to check the parts and the technical parameters (the manual). If the parts are incomplete or broken, do not attempt to repair or modify on your own. Contact our authorized agent, or technical department.

### Filter installation

The cooler is equipped with four filters. Remove / Insert the filters, as shown in the image below.



### Adding water

In order to add water, pull out the water inlet, as shown in the image below.



### Water drain

In order to drain the water, open the valve cover, as shown in the image below. Afterwards close it clockwise.

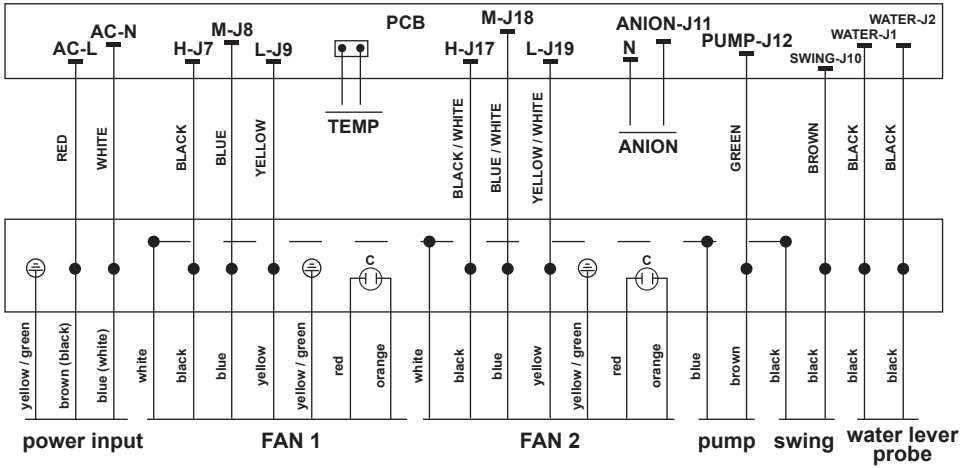


## TECHNICAL DETAILS

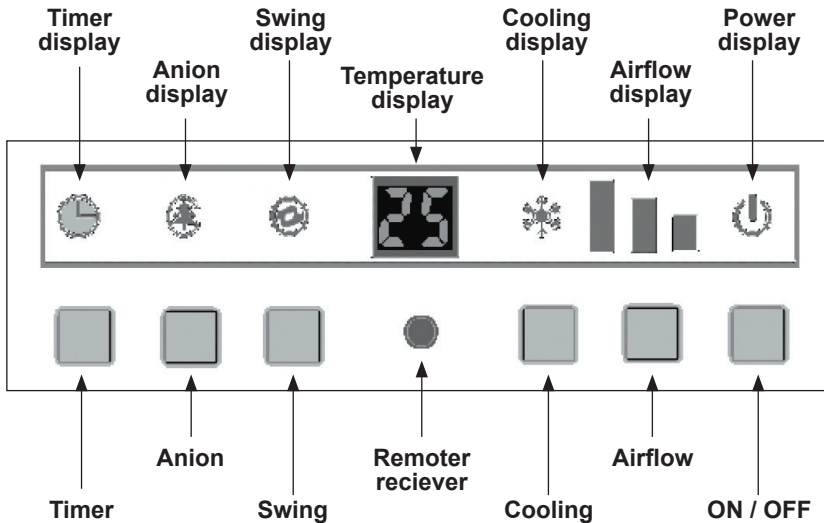
	<b>MAGI 7</b>
Max airflow [m <sup>3</sup> /h]	<b>7.500</b>
Pressure [Pa]	70
Power [kW]	0,16
Voltage [V / Hz]	220 - 240V / 50 - 60 Hz
Net weight [Kg]	25
Operating weight [Kg]	55
Fan type	Axial
N° of speeds	3
Outlet dimensions [mm]	430 x 845
Pad A dimensions [mm]	(890 ÷ 30) x 180 x 35
Pad B dimensions [mm]	(870 ÷ 30) x 360 x 70
N° of Pads	2 x A / 1 x B
Unit dimensions (L x W x H) [mm]	515 x 350 x 1.550
Water tank [L]	30
Cover area [m <sup>2</sup> ]	<b>50 ÷ 60</b>



## WIRING DIAGRAM

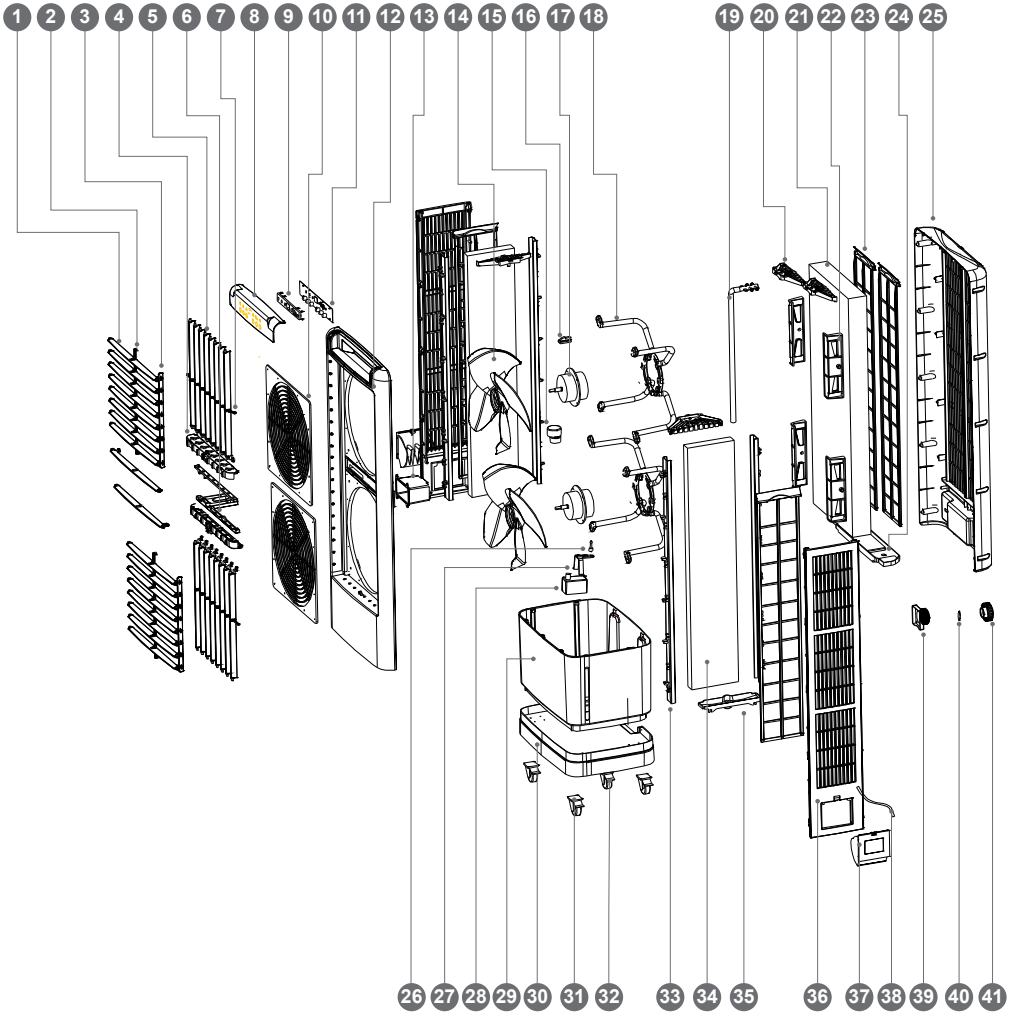


## OPERATION GUIDE





# UNIT DESCRIPTION





N°	Description
1	Front Louver
2	Front Louver Fix Pole
3	Back Louver Drive Shaft
4	Fix Part in The Middle
5	Back Louver
6	Back Louver Drive Shaft
7	Back Louver Fix Pole
8	Display Panel
9	Display
10	Safety Net
11	Control Board
12	Front Panel
13	Wiring Box
14	Fan Blade
15	Swing Motor
16	Spring Rubber
17	Motor
18	Motor Bracket
19	Pipes
20	Water Distributor
21	Back Cooling Pad
22	Fixed Strip to Back Pad
23	Dust Filter
24	Back Water Tray
25	Back Panel
26	Water Level Sensor
27	Fixed Strip to Pump
28	Water Pump
29	Water Tank
30	Base
31	Castors With Brake
32	Castors
33	Fixed Strip to Side Pad
34	Cooling Pad (side)
35	Water Tray
36	Side Panel
37	Cover of Water Inlet
38	Power Cable
39	Drain Base
40	Rubber in Drain Nut
41	Drain Nut



## OPERATION GUIDE - Remote Controller



	ON / OFF	Start or stop the cooler
	Cool	Switch between cooling mode or ventilation mode
	Drain	Start or stop the water draining function
	Speed + / -	Increase / decrease the airflow. The steps are 1 > 2 > 3 > 1.
	Swing	Start of stop the swing function
	Timer	Start the timer function
	Anion	Start or stop the anion function
	Show	Show / Hide light indication

<b>ON / OFF</b>	Press this button, when the cooler is in stand-by state, to start it. The operation mode and airflow speed will be the same as before the last power off. The factory start up settings at first start up are speed 2 and cooling operating mode. The airflow indication is L > M > H, from left to right dynamically. Press this button when the cooler is operating, to stop it. In stand-by state only the time indication will appear on screen.
<b>Speed selection</b>	Press the <b>SPEED</b> button to increase or decrease the air speed. The airspeed steps are 1 > 2 > 3 > 1 and they will appear on screen at the "speed" indication
<b>Operating mode</b>	Press the <b>COOL</b> button to select the operating mode between cooling and ventilation. When the cooler is operating and you switch from ventilation to cooling mode, the cooler will automatically run for 30s at the lowest speed and then resume with the last user selected speed. This will not affect the speed indication on the screen.
<b>Swing function</b>	Press the <b>SWING</b> button to start or stop the swing function. When activated, the swing indication will be illuminated on the cooler screen.
<b>Anion function</b>	Press the <b>ANION</b> button to start or stop the ionizer function. When activated, the anion indication will be illuminated on the cooler screen.
<b>Timer function</b>	Press the <b>TIMER</b> button to start or stop the cooler automatically after the user selected hours. The timer function will start the unit automatically while it's in stand-by state and it will stop the unit while it's in operating mode. When you press the <b>TIMER</b> button the "Timer" indication will flicker and you can adjust the time by pressing the <b>SPEED</b> buttons. The maximum selected time is 9 hours.





➔ <b>Timer function</b>	<p>During setup the indication “H x” (the “x” is the user selected time) will appear on screen. The temperature indication will appear again after the setup is completed.</p> <p>The timer will start automatically 5 seconds after the setup is completed. The “Timer” indication will stop flickering and remain on screen.</p> <p>In order to cancel the timer function :</p> <ul style="list-style-type: none"> <li>▶ Set the time to 00.</li> <li>▶ Press ON / OFF button during timer setup, when the “Timer” indication is flickering.</li> <li>▶ Press ON / OFF button after the timer setup is completed.</li> </ul>
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## MAINTENANCE

- ▶ Turn off the cooler and disconnect it from the power supply before performing any cleaning operation.
- ▶ Use a soft cloth and mild cleaner to clean the cooler.
- ▶ Remove the pad and clean it from dust using a soft brush.
- ▶ It is recommended to clean the filter and cooling pad once per 2 weeks to ensure the cooler's maximum efficiency.
- ▶ It is recommended to drain the water every day and clean the water tank to ensure that the water in the tank is always clean and therefore the supplied air always fresh.
- ▶ If you don't intend to use the cooler for an extended period of time, disconnect the power supply and drain the water.

## TROUBLESHOOTING

### **Warning :**

*In case of malfunction do not attempt to repair the cooler yourself. Always contact a qualified technician.*

Problem	Possible reasons	Solution
<b>The cooler does not work</b>	<ul style="list-style-type: none"> <li>● Faulty electrical connection.</li> <li>● Faulty controller.</li> <li>● Burned fuse.</li> <li>● Faulty main board.</li> </ul>	<ul style="list-style-type: none"> <li>● Check the electrical circuits and wiring.</li> <li>● Contact an authorized technician.</li> <li>● Contact an authorized technician.</li> <li>● Contact an authorized technician.</li> </ul>
<b>No cooling</b>	<ul style="list-style-type: none"> <li>● Faulty pump.</li> <li>● No water / not enough water.</li> <li>● Faulty controller.</li> <li>● Faulty main board.</li> </ul>	<ul style="list-style-type: none"> <li>● Contact an authorized technician.</li> <li>● Fill the water tank with clean water.</li> <li>● Contact an authorized technician.</li> <li>● Contact an authorized technician.</li> </ul>
<b>No airflow</b>	<ul style="list-style-type: none"> <li>● Faulty controller.</li> <li>● Faulty motor.</li> </ul>	<ul style="list-style-type: none"> <li>● Contact an authorized technician.</li> <li>● Contact an authorized technician.</li> </ul>
<b>Unpleasant odour</b>	<ul style="list-style-type: none"> <li>● Dirty water.</li> <li>● Dirty cooling pad.</li> <li>● Dirty air filter.</li> </ul>	<ul style="list-style-type: none"> <li>● Drain the water and refill the tank with clean water.</li> <li>● Remove and clean the cooling pad.</li> <li>● Remove and clean the filter.</li> </ul>



ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

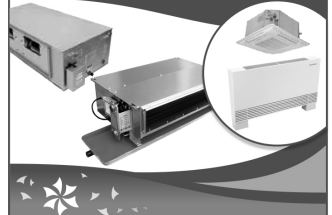
### AIR HANDLING UNITS



### HEAT EXCHANGERS



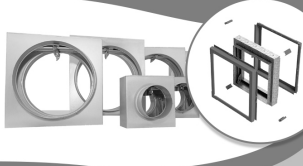
### FAN COIL UNITS



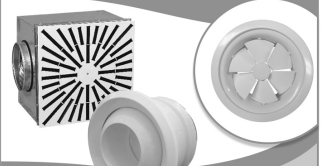
### FANS & FAN SECTIONS



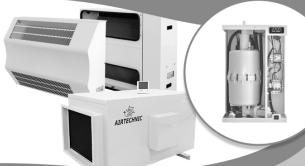
### FIRE DAMPERS



### AIR OUTLETS



### STEAM HUMIDIFIERS - DEHUMIDIFIERS



### CENTRAL VACUUM SYSTEMS

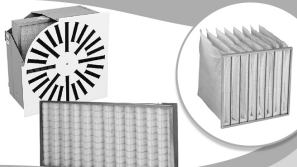


**TUBO**  
THINK CLEAN

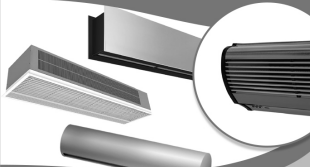
### STAINLESS STEEL CHIMNEYS



### AIR FILTERS



### AIR CURTAINS



### EVAPORATIVE COOLING



#### Main Office ATHENS

📍 Paparrigopoulou 10 & Lagada,  
12132, Peristeri, Athens  
211 - 705.55.00

✉ sales@airtechnic.gr

#### Factory - THIVA

📍 4<sup>th</sup> km Thiva - Chalkida Hwy,  
32200, Thiva  
22620 - 89.006

✉ factory@airtechnic.gr

#### Factory - THESSALONIKI

📍 End of Meandrou Str.,  
57013, Oraiakastro, Thessaloniki  
2311 - 82.40.00

✉ thessaloniki@airtechnic.gr