



One to One

Installation & Operation Manual MIK-70EX



Please read this manual carefully before using the product

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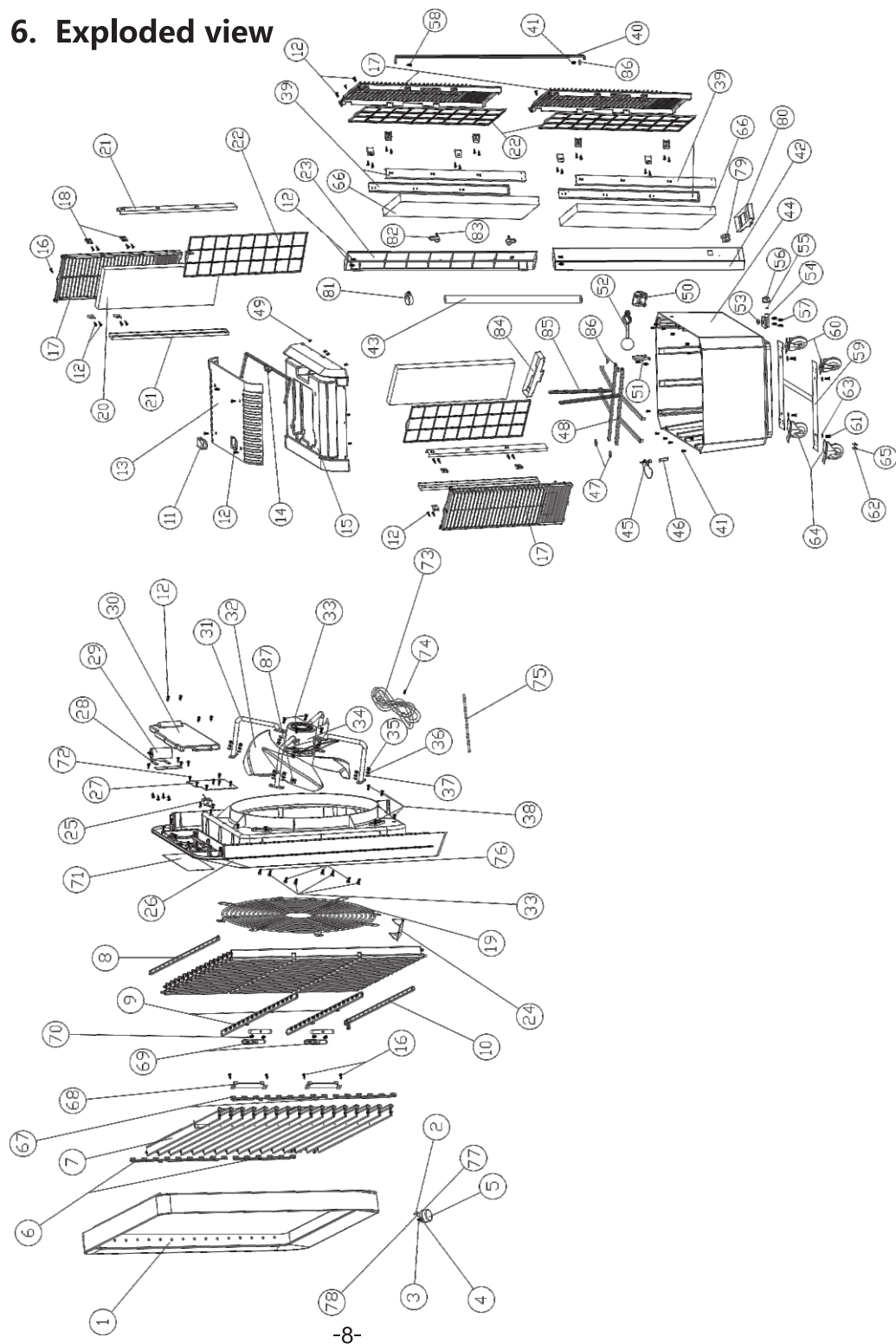
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Serial number	Subcomponent name	Number	31	Motor support	4	60	Movable casters	2
1	The outer frame of the tuyere	1	32	Plastic wind blade	1	61	Outer six angle screw	4
			33	Outer six angle screw	8	62	Spring washer	18
2	Eccentricity axis	1	34	Fan motor	1	63	Flat cushion	4
3	Band nut	2	35	Outer six angle nut	12	64	Brake wheel	2
4	Cross round head screw	2	36	Spring washer	13	65	Cross round head screw	16
5	Synchronous motor	1	37	Flat cushion	21	66	Back wet curtain	2
6	Vertical connecting rod of blade (No column)	2	38	Cross flat head and tip tail self tapping screw	8	67	Vertical connecting rod of blade (Column)	2
7	Wind guide vane	32	39	Rear water curtain rod	4	68	Damper outer tube	2
8	Blade cross link rod	1	40	Backplate support column	1	69	Damped piston	4
9	Blade fixed bar	4	41	Cross flat head and tip tail self tapping screw	13	70	Damping spring	4
10	Blade cross transmission rod	1	42	Pillar	1	71	Keypad	1
11	Remote control (Anion)	1	43	Transparent soft hose	1	72	Cross flat head and tip tail self tapping screw	10
12	Cross flat head and tip tail self tapping screw	57	44	water tank	1	73	Power cord()	1
13	Upper cover A	1	45	Water level probe	1	74	Clamp	6
14	Water flow apparatus	1	46	Water level probe bracket	1	75	Bandage	11
15	Upper cover B	1	47	Flat cushion	2	76	Outer six angle screw	4
16	Cross flat head and tip tail self tapping screw	32	48	Water tank bracket (right)	2	77	Motor moistureproof mat	1
17	Window shades	4	49	Clip	8	78	Cross strip wire	1
18	Water curtain fastener	18	50	water pump	1	79	Power line buckle	1
19	Net cover (powder spray)	1	51	Pump fixed parts	1	80	Rear water curtain drainage device	2
20	Side dampness curtain	2	52	Floating ball valve	1	81	Pipe hoop	2
21	Side bar fixed bar	4	53	Silica gel washer	1	82	Winding fixed column	2
22	Dustproof net	4	54	Sewerage	1	83	Cross round head tail self tapping screw	2
23	Pillar (no hole)	1	55	Silica gel washer	1	84	Side water curtain drainage device	2
24	Water filling door	1	56	Drain cover	1	85	Water tank bracket (left)	2
25	Anion	1	57	Cross round head tail self tapping screw	4	86	Resin washer	4
26	Front shell (no LOGO)	1	58	Cross flat head and tip tail self tapping screw	1	87	Anti tooth nut	1
27	PCB	1	59	Water tank rack (thickening)	1			
28	Starting capacitor fixed bar	2						
29	Capacitance	1						
30	Rear cover of PCB	1						

6. Exploded view



1. Cautions

- Avoid using the evaporative air cooler in a closed area. The unit should be used in well-ventilated areas only.
- Voltage should be monitored to make sure that it is within + 5% range. If the voltage is too low, the evaporative air cooler may not be turn on or may be on and off. Too low or too high voltage may cause damages to the evaporative air cooler.
- Before turning the unit on, fill the tank with water to ensure efficient operation of the evaporative air cooler.
- Remove the packages and ensure that the appliance is undamaged. In case of doubt do not use the supreme cool and contact with your supplier.
- Use this supreme cool only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electrical shock or injury to persons.
- Do not let children play with parts of the packages (such as plastic bags).
- Before using the supreme cool check that if the voltage of your main supply matches the voltage marked on the rating label of the appliance.
- To ensure safety, the power must be turned off before the fixed strip can be removed.
- Before assembling or dismantling the supreme cool, make sure that the supreme cool is unplugged.
- Before unplugging the power cord, turn off the switch.
- Always disconnected the supreme cool from the power supply when moving it from one location to another.
- Do not insert any object into the supreme cool as it may cause an electric shock or damage. Do not block or tamper with the supreme cool in any manner while it is in operation.
- Do not hang any clothes on the supreme cool.
- This supreme cool is intended for household use ONLY and not for industrial or outdoor use.
- Avoid using extension cord as it may overheat and cause fire.
- Place the supreme cool away from the TV, radio or other audio-visual equipment at least 1 meter away, otherwise it may cause interference to the above equipment.
- Do not plug or unplug the appliance into power socket with wet hands.
- Make sure the air circulation is enough when using the appliance.
- The supreme cool is not intended for use in wet or damp locations. Never locate the supreme cool where it may fall into a bathtub or other water container.
- Do not place the supreme cool near a source of heat or fire.

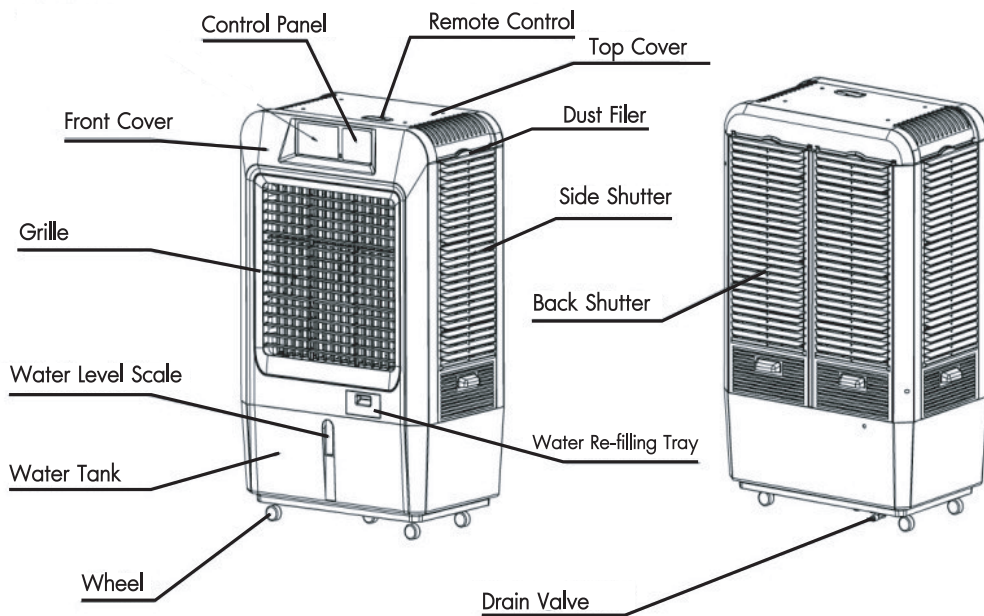
WARNING: To avoid danger of electric shock, unplug from outlet when not in use and before cleaning. If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

WARNING: The ON/OFF switch should not be used as the sole means of disconnecting power. Always unplug the power cord before servicing or moving the unit.

2. Technical Information


Air volume	17920 CFM
Power	325 W
Input electricity	110 V/60 Hz
Fan type	Axial
Fan speed	3 Speed
Water tank capacity	24.57 US gal
Noise	≤62 dB
Overall dimension	34.25x22.44x54.33 in
Vent size	22.44*22.44 in
Net weight	92.59 lb
Operating weight	297.62 lb

3. Structure diagram





MIK-70EX				
No.	Problem	Possible Cause	Corrective Action	Remarks
4	The pump fails to function and provide cooling.	Damaged pump	Repair or replace the pump with a pump of the same model.	
		Loose motor connection	Tighten connection.	
5	The pump functions but does not circulate water, or the cooling pads contain too little water.	Clogged or dirty pump strainer	Clean the pump strainer.	
		Clogged water supply hose	Clean the water hose.	
		Clogged top water distribution tray	Clean the top water distribution tray.	
6	Water spitting from the unit	Thin cooling pads	Change cooling pads	
		Clogged top water distribution tray	Clean the top water distribution tray.	
7	Undesirable odor	The unit is placed in an area where undesirable odors are present, or algae are present in the water tank.	Clean the water tank and the cooling pads.	
8	White sediments in the water tank	Water has a high content of salt.	Drain the tank and clean the cooling pads more frequently.	

5. Troubleshooting



MIK-70EX				
No.	Problem	Possible Cause	Corrective Action	Remarks
1	The evaporative air cooler is not functioning and does not respond when buttons are pressed.	Blackout or faulty power connection	Measure the input voltage and connect to a designated power supply.	We recommend that a voltmeter is used because an electrician's screwdriver cannot correctly measure voltage.
		AC fuse is damaged or the circuit stops functioning in order to prevent power overload.	Replace the fuse or restart the unit.	Restart the power overload prevention system and find out the cause of the overload.
		Remote control batteries have run out.	Change the batteries.	
		Damaged heat relay	Repair or replace the control panel with another of the same model.	
2	No air flows from the unit after  button is pressed.	Damaged motor	Repair or replace the motor with another of the same model.	The motor is working hard or working abnormally.
		Loose motor connection	Determine whether or not the motor connections are in order.	
		Heat protection equipment inside the motor is working.	Leave the unit off until the fan motor is cool enough to be used as usual.	
3	The pump functions but it is not cool enough	The cooling pads clogged or dirty	Clean or replace the cooling pads.	
		The dust filters clogged or dirty	Clean or replace the dust filters.	
		The cooling pads are dry or contain insufficient water while the evaporative air cooler is working.	Check the top water distribution tray to determine whether or not there is a clog. Determine if the pump is functioning correctly.	
		Excessively high relative humidity	When the evaporative air cooler is used for a long period of time, the room humidity will be very high, so the evaporative air cooler will be unable to lower temperature as much as when the room's humidity is lower. Turn the Cool mode off and increase ventilation.	


4. Operating Instructions and Functions

4.1 Start up/Air Circulation


After pressing  button, the evaporative air cooler will start operating in a low air circulation speed or "Level 1 (low)". Press  button on the control panel or remote control if you want to change speeds. There are three speeds, including Level 1 (low), Level 2 (medium), and Level 3 (high). The air speed levels will work on a rotating cycle.


4.2 Cool

Enter the Cool mode by pressing  button on the control panel or remote control. To turn off the Cool mode, press  button again. The system will automatically exit the Cool mode.

Remark: When the Cool mode is activated, the pump inside the water tank will pump water to saturate the cooling pads. Heat that flows through the cooling pads will exchange with the water and cool the air flowing through the cooling pads to lower the temperature. Therefore, a decrease in temperature depends on relative humidity and ambient temperature when the unit is in Cool mode. In the case where the fan speed is high, when  button is pressed, the fan will drop to the lowest speed for 30 seconds before resuming the speed previously set.

4.3 Swing

Press  button on the control panel or remote control to have the vertical grilles swing automatically and the unit will enter the Swing mode.

Press  button again and the vertical grilles will stop swinging.

4.4 Anion

Enter the Anion mode by pressing  button on the control panel or remote control. Press again to exit the Anion mode.

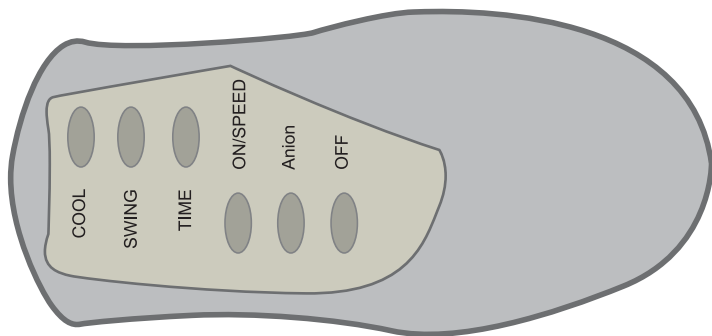
(The Anion mode is an automatic air purifying mode).

4.5 Shut down

Press  button on the control panel or remote control and the system will enter the stand-by mode.



Control panel



Remote control

4.6 Cleaning and maintenance

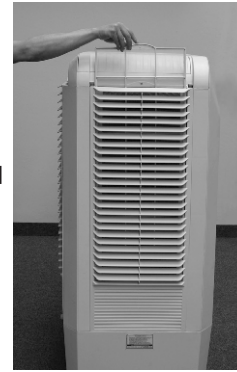


Fig. 1

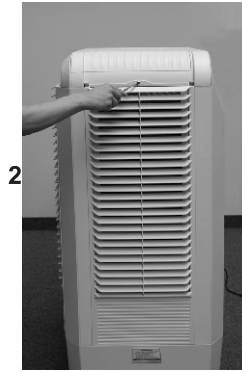


Fig. 2

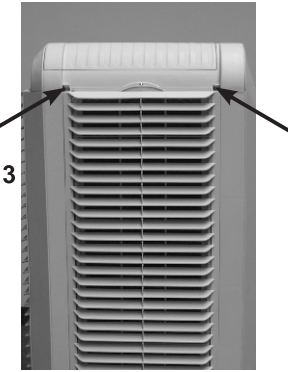


Fig. 3

The equipment must be shut down for maintenance

1. Just pull up to remove the sliding grille, Fig. 1
2. Remove the screw, Fig. 2
3. Press the plastic rods on the left and right sides to release the cover, Fig. 3
4. The whole side or part of the back can be pulled up
5. The installation sequence is opposite
6. Remove the side and back of the removable plastic and wet curtain with water and brush suitable for cleaning
7. To avoid scratching the surface, please do not rub too hard with dry cloth. Use soft cloth soaked in warm water with detergent. Wipe with dry cloth. Do not use thinner, benzene, alcohol, cleaning powder, alkaline detergent, etc.

4.7 Circuit diagram

