Please read this manual carefully before installation and keep it for future reference.

# Product Manual

MRCOOL®

COMFORT MADE SIMPLE

# MRBREEZE™ Bladeless Fan by: MRCOOL®

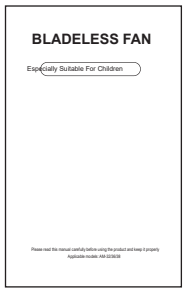
**Due to updates and constantly improving performance, the information and instructions within this manual are subject to change without notice. Please visit www.mrcool.com/documentation to ensure you have the latest version of this manual.**

**Version Date: 8-19-21**

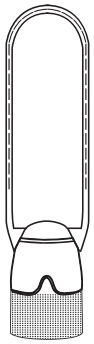
Please keep this manual where the operator can easily find it. Inside, you will find helpful hints on how to use and maintain your unit properly.

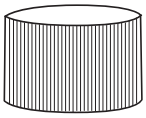
# Contents

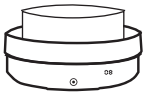




Manual


Loop


HEPA Fliter


Base


Remote Control

# Safety Precautions

## Read Before Using

**Incorrect usage may cause serious damage or injury.**

The seriousness of potential damage or injuries is classified as either a **WARNING** or **CAUTION**.

**WARNING**

**This symbol indicates that ignoring instructions may cause death or serious injury.**

**CAUTION**

**This symbol indicates that you should NEVER perform the indicated action.**

## WARNING

- Make sure that the annular air ring is installed correctly before turning on the fan. Do not turn on or use the fan when it is not installed.
- Hold the fan base when carrying, and do not hold the fan's circular air ring.
- Keep the fan in a stable location where it will not fall to the ground while in storage or during operation.
- Performing repair maintenance or modifying the fan in any way will void the warranty. No one other than a qualified maintenance technician should disassemble it.
- Perform only the operations described in this manual. Do not perform any other maintenance not mentioned.
- The fan and the remote control both contain magnets. Please take note of the following:
  1.) Pacemakers and defibrillators may be affected by strong magnetic fields. If you or someone in your household has a pacemaker or defibrillator, avoid placing the remote control in a pocket or being too close to the fan.
  2.) Credit cards and electronic storage media may also be affected by magnets and should be kept away from the remote control and the top of the fan.
- This appliance can be used by children aged 8 years and above, as well as individuals with reduced physical, sensory or reasoning capabilities, or lack of experience or knowledge, only if they have been given instruction or supervision by a responsible person who has made them aware of the safety required and hazards involved. Cleaning and user maintenance should not be performed by children without supervision.
- If the appliance is not working as it should, has been dropped, damaged, received a sharp blow, left outdoors, come in contact with water, do not use the device. Contact technical support.
- Be sure to turn off all controls before unplugging the device. Also unplug before connecting any tool or accessory.
- To avoid a tripping hazard, wind the cable when not in use.
- Dust the plug of the fan regularly to prevent dust build up from moisture. Dust can create a poor connection and could result in electric shock and/or fire.
- **CHOKING HAZARD** - The remote control unit for this device contains a small battery. Keep the remote control away from children and do not allow them to swallow the battery. If the battery is swallowed seek medical advice immediately.

**THIS APPLIANCE IS INTENDED FOR HOUSEHOLD USE ONLY**

## CAUTION

- ***DO NOT*** touch the power plug or fan with wet hands.
- ***DO NOT*** use it in a wet place. Do not use it in a place where there is water or rain.
- ***DO NOT*** use this fan when the cable or socket is damaged. If the cable is damaged, it must be replaced by seller service agent to avoid a hazard.
- ***DO NOT*** run cable under carpeting or cover it with throw rugs, runners, or similar coverings. Cable should be away from traffic areas and any other areas where it could be at risk of being tripped over.
- ***DO NOT*** use extension cables.
- ***DO NOT*** use near stoves, fireplaces, or other high-temperature heat sources.
- ***DO NOT*** use air cleaners or similar products directly on the fan.
- ***DO NOT*** put any object on the fan's air inlet, or use it where there are obstacles. Or, allow it to get close to dust, lint, hair, or anything that might reduce airflow.
- ***DO NOT*** pull on the cable when unplugging the power supply from the outlet. Instead, hold the plug.
- ***DO NOT*** stretch the cable, or place it under undue strain.
- ***DO NOT*** use any cleaning equipment or cleaners (such as benzene, insecticide, or banana oil) on the fan. Also remember to unplug the power plug when cleaning or moving for maintenance.
- ***DO NOT*** dismantle the appliance or use without fan loop installed.
- ***DO NOT*** allow children to play with the device. Children should be supervised.
- ***DO NOT*** allow cable to be near heated surfaces.
- ***DO NOT*** use the appliance in conjunction with or directly next to an air freshener or similar products.
- ***DO NOT*** use the appliance at a voltage other than what is specified on the nameplate. This could result in electric shock and/or fire.
- ***DO NOT*** operate the fan if the plug is not completely inserted into the outlet. if the plug is not completely inserted it could result in electric shock and/or fire.
- ***DO NOT*** allow wind to blow on the body of the fan for extended periods of time.
- ***DO NOT*** leave the fan plugged in for extended periods when it is not in use. Unplug from the wall outlet when not in use.

# Fan Overview

1

The MRBREEZE™ Bladeless Fan provides a continuous flow of clean air through the wide opening. As the air is forced through this opening, the volume can be increased by fifteen times, or sped up to 22 miles per hour. The airflow produced by our bladeless fan is more stable than traditional fans. Since the fan does not have a traditional “blade” to cut through the air, the airflow feels more natural and cool without being harsh or choppy.

## Safety

By eliminating a fast-rotating blade from our design, the fans are safe to operate around children.

## Easy to clean

The sleek design makes it easy to clean when compared to traditional fans that have heavy covers and multiple blades.

## Low center of gravity

By having the motor mounted in the base of the fan, it creates a stable foundation making it difficult to tip over. Unlike traditional fans, which can be top-heavy, unstable, and knocked over easily.

## Variable Reach

In order to reach the desired direction of air circulation, the fan can be angled up to 120° by adjusting the fan loop, or by rotating the base 360° (**Refer to Fig. 1.2**). In order to adjust the fan loop, turn off the fan and wait until operation has stopped, and then hold the base with one hand while adjusting the loop with the other.

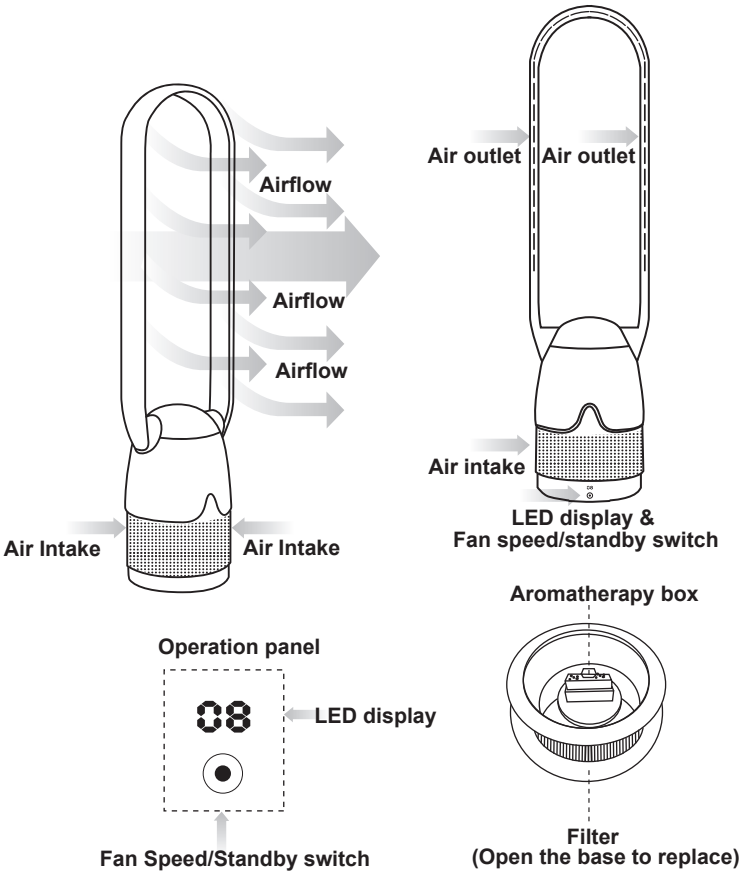



**Fig.1.1**

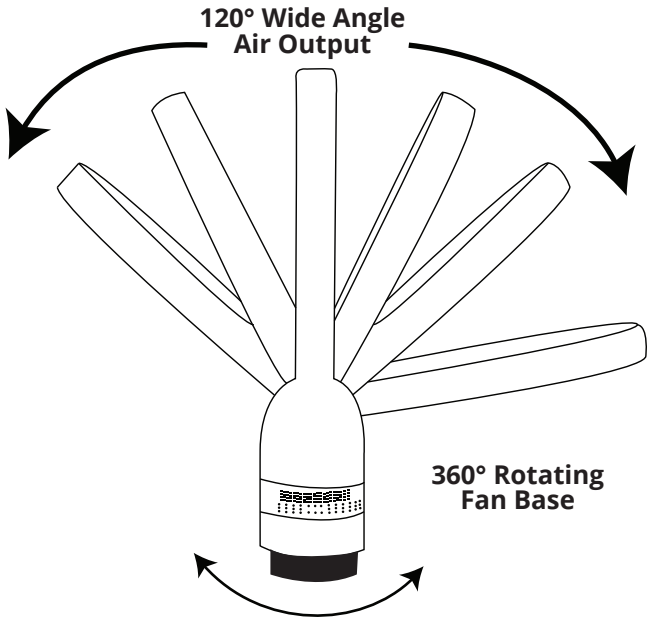



**Fig.1.2**

### Fan Loop Installation to Base

1. Align the fan loop vertically with the fan base. Make sure to also align the triangle mark, found on the silver portion of the fan loop, to the unlock symbol of the fan base. There will be tabs on the bottom of the fan loop that will allow it to slide into the fan base. (**Refer to Fig. 2.1 & Fig. 2.2**).

2. Now, rotate the fan loop clockwise until the triangle mark is above the lock symbol, to lock it to the base.

**NOTE:** Use these same steps in reverse (rotating the fan loop counter-clockwise to unlock it from the base) to access and replace the filter when needed.

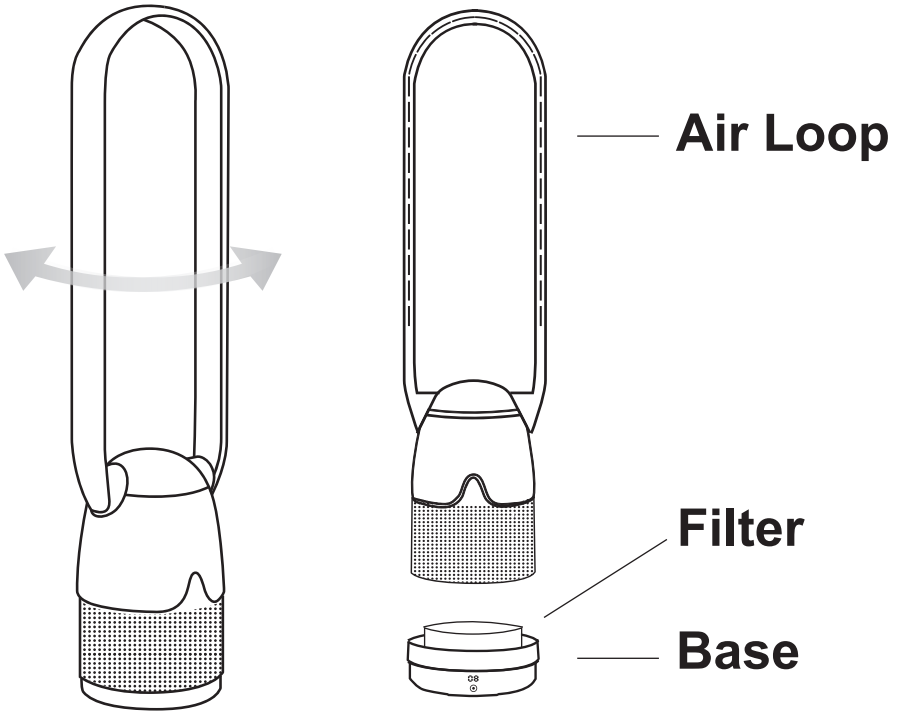



**Fig. 2.1**

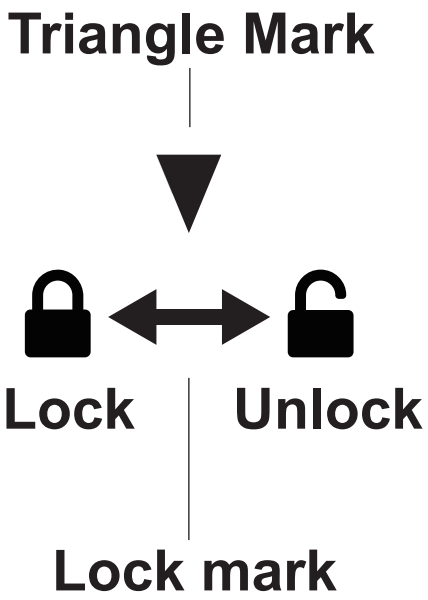



**Fig. 2.2**

## Fan motor speed: 3200 - 8000 rpm

Each speed is (±10%):

The fan is equipped with 8 speeds. The lowest setting is speed 1, which spins at 3,200 rpm. The highest setting is speed 8, which spins at 8,000 rpm. Please see the table below for the rpms the other speeds operate at. When the power is turned on, the default setting is speed 8. If the fan is not powered off, and goes into standby mode, it will start in the last speed it was operated at, once it is turned back on.

| | |
|---|---|
| **Speed 1** | **3200 rpm** |
| **Speed 2** | **3800 rpm** |
| **Speed 3** | **4500 rpm** |
| **Speed 4** | **5200 rpm** |
| **Speed 5** | **6000 rpm** |
| **Speed 6** | **6600 rpm** |
| **Speed 7** | **7300 rpm** |
| **Speed 8** | **8000 rpm** |

## Airflow Rating (CFM):

Lowest speed setting - 10.5 CFM
Highest speed setting - 32.7 CFM

## NOTE

Choose the lowest setting to produce the lowest noise while sleeping.

- Low speed <30 db
- High speed <60 db

## Functions and Controls (on Fan)

The base of the fan contains the LED display, which will display functions such as the fan speed, timer function, and when the fan is in standby mode. Beneath the display is the fan speed/standby button, allowing you to adjust the speed of the fan, or put it in standby mode. Each press will increase the fan speed by 1 level until the maximum setting is reached, “08,” then it will start over. Holding the button down for approximately two seconds will put the fan in standby mode, you will be alerted of this with a buzzer sound and “00” will show on the LED display. These are the only electronic functions that can be controlled on the fan itself, all others are accessed with the remote control.

## Remote Control Functions

The functions of the remote control buttons are as follows (Refer **Fig 4.2** as a guide).

### Power Switch

When the power switch button is first pressed on the remote control, a buzzer will sound, and the LED display will show "00" to indicate it is in standby mode. Press it again to start fan operation. Pressing the power switch while the fan is operating, will put the fan back in standby mode, causing the fan to decelerate until air movement stops. In standby mode, when the fan is turned back on, the fan will revert back to the last speed used before it was turned off. The lowest setting of the fan is 1 and the highest setting is 8 (these will show as “01” and “08” on the LED display, respectively). Please refer to the **Fig. 4.1**.

### Fan Speed Plus

In the operating state, press the Fan Speed PLUS button to increase the fan speed. Once the fan reaches the speed 8 setting, press the button again. A buzzer noise with two prompts will sound to signify the highest setting has been reached.

### Fan Speed Minus

In the operating state, press the Fan Speed MINUS button to decrease the fan speed. When the fan reaches the speed 1 setting, press the button again. A buzzer noise will sound with two prompts to signify the lowest setting has been reached.

### Rotate the Head

While the fan is in operating mode, press the rotate button to rotate the head of the fan. Press it again to stop rotating the head.

### Timer Plus

While in the operating state, press the timer plus button to enter the timing mode. The initial timing mode is 1 hour, and will show "lH" on the digital display. After each button press, the time increases by 1 hour. When the time on the display has reached 8 hours, press the button again to exit the timer mode. Once you have exited, the digital display should return to showing the fan speed level.

### Timer Minus

While in the operating state, pressing the timer minus button will also enter the timing mode. When the timing mode is greater than 1 hour, with each press the time will reduce by 1 hour. When the timing mode reaches 1 hour, it cannot be reduced any further. Press the button once more to exit timing mode and return to fan speed display.

### Maximum Fan Speed

Pressing this button will put the fan speed at its highest setting.

### Minimum Fan Speed (Sleep Setting)

Pressing this button will put the fan speed at its lowest and quietest setting.

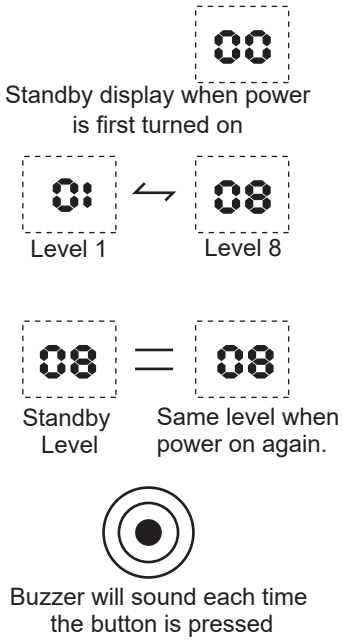
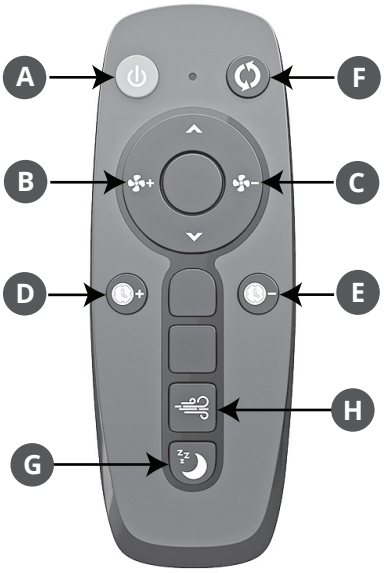



**Fig 4.1**




**NOTE: Some buttons on the remote control are not currently functional. These may be used for optional features at a later date.**

**A - Power Switch**
**B - Fan Speed Plus**
**C - Fan Speed Minus**
**D - Timer Plus**
**E - Timer Minus**
**F - Rotate**
**G - Min. Fan Speed**
**H - Max. Fan Speed**

**Fig 4.2**

## Air Purification Principle

### Lower Surface Air Speed
The lower surface air speed, combined with the efficient 360° HEPA filter, can effectively catch harmful pollutants.

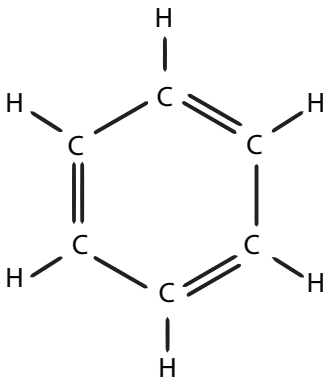
### Vacuum Sealing
The vacuum seal design prevents dirty air from leaking out of the machine during filtration.

### Activated Carbon Filtration
The activated carbon particle layer removes odor and harmful toxic substances such as benzene.

### 360 ° full suction
The 360° omni-directional design allows the machine to be placed in any space.

### Filter Cover
The filter is vacuum sealed inside the base of the machine.

### HEPA Filter
The high quality paper used in the HEPA filter can purify 99.9% of harmful particles from the air. This includes unpleasant odors, pollutants, benzene, PM2.5, and PM0.1.




**Benzene**

**Fig 5.1**

- Long-term exposure to Benzene can damage bone marrow which could cause anemia, leukemia, and other health related issues.
- PM 2.5 refers to atmospheric particulate matter (PM) that have a diameter of less than 2.5 micrometers, which is about 3% the diameter of a human hair. Since they are so small and light, fine particles tend to stay longer in the air than heavier particles. This increases the chances of humans and animals inhaling them into the bodies. Studies have found a close link between exposure to fine particles and premature death from heart and lung disease.
- PM 0.1 can penetrate pulmonary tissue, enter the bloodstream, and circulate throughout the body. This means PM 0.1 has the capability to damage a number of internal systems that may be inaccessible to larger particles.

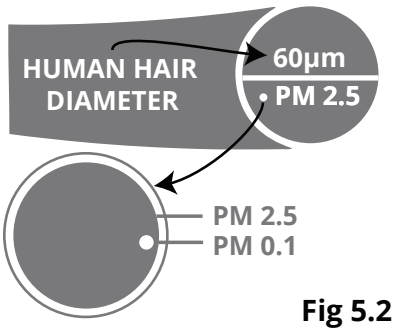



**Fig 5.2**

***Illustration enlarged to show how small PM 0.1 particles are compared to PM 2.5, and then in contrast of how small PM 2.5 particles are compared to a single strand of human hair***

## Cleaning

1. Before cleaning the fan, be sure to turn off the power and unplug the power cord from the outlet. To avoid electrical shock or injury, ***DO NOT*** unplug with a wet hand.
2. Look for any blockages or dust in the air inlet holes of the fan base or the small air outlet holes inside the fan loop. Use a soft brush to remove any debris from those areas.
3. If the fan is used for extended periods of time, there will be a build up of dust between the power cable plug and the wall socket, which is a potential fire hazard. While the fan is unplugged, wipe the plug with a dry cloth.
4. Remove the fan assembly according to the assembly procedure.
5. Use a soft cotton cloth and neutral detergent/non-solvent cleaner to remove any surface stains. Then wipe dry with a dry cloth wipe.
6. ***DO NOT*** use banana oil, light oil, alcohol, lamp oil, benzene, abrasive powder, alkaline lotion, or brush as these may cause discoloration and deterioration of the paint surface resin.
7. ***DO NOT*** submerge the fan or wash the fan with water.
8. The fan does not require a long time to dry, however, the surface must be dry before packaging or placing it in a dry environment for storage.

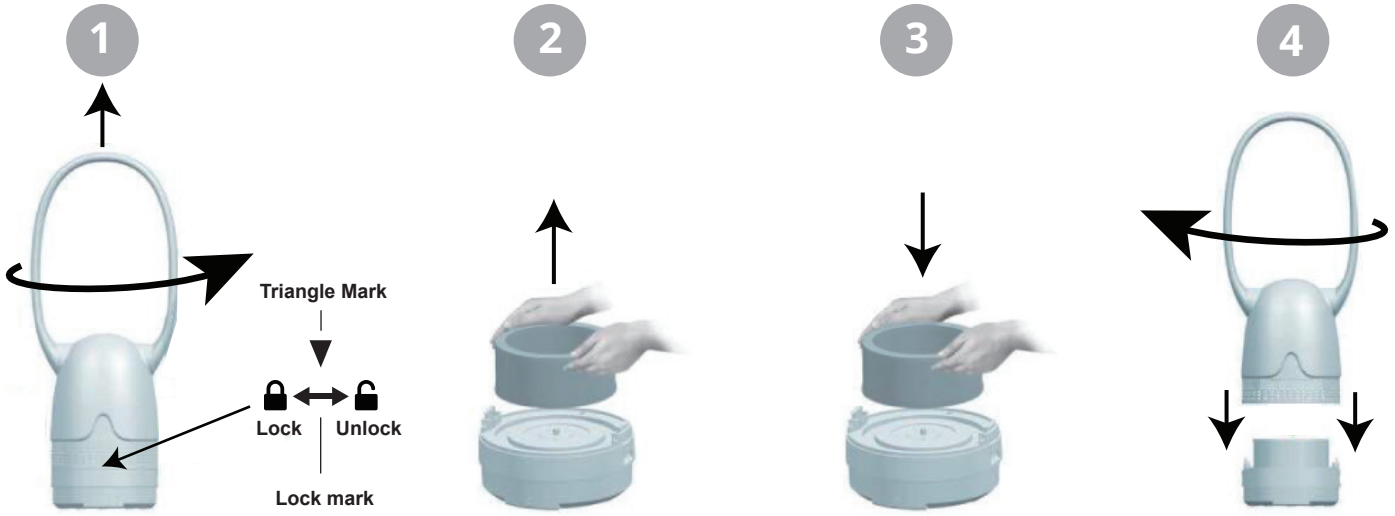
## Maintenance (Filter Replacement)

1. First, make sure the fan is turned off and the power cord is unplugged from the outlet. Then, locate the triangle mark on the silver portion of the fan, near the base. Next, rotate the fan loop counter-clockwise until the triangle mark is above the unlock symbol. This will unlock it from the base. Then, lift the fan loop from the base to gain access to the filter.

2. Remove the filter from the base.

3. Install new filter.

4. Align the fan loop vertically with the fan base. Making sure to also align the triangle mark on the fan loop with the unlock mark found the fan base, respectively. There will be tabs on the bottom of the fan loop that will allow it to slide into the base. Then, rotate the fan loop clockwise until the triangle mark is above the lock symbol to lock it to the base.



## Error Codes

| | |
|---|---|
| **E1** | Bus under-voltage |
| **E2** | Bus over-voltage |
| **E3** | The motor is stuck |
| **E4** | Hardware over-current |
| **E5/E6** | Software over-current |
| **E7** | Lack of phase failure |
| **E8** | Communication failure |

## Device Checks

If the fan is functioning abnormally, please perform these checks before contacting your service retailer.

| Symptom | Diagnosis |
|---|---|
| Fan does not work when plugged in | Ensure that power cable is fully plugged in the outlet |
| | Ensure that power button has been pressed, if the fan is on the LED display screen will be illuminated. |
| Airflow from fan is weak | Check the air inlets and outlets of the fan for dust or blockages, and remove them |
| | Check and see if the fan speed setting of the fan needs to be adjusted to a higher level |
| Remote control is not working | Check the batteries to ensure they are not drained, or installed improperly |
| Fan does not operate normally after a power outage | Unplug the power cord from the outlet and then plug it back in |
| Fan omits an odor | It is possible that parts are damaged, discontinue use and contact technical support |

## Product specifications

| | |
|---|---|
| Name | Bladeless Fan |
| Model | MRFAN36/MRFAN38 |
| Voltage | 110V |
| Frequency | 50Hz |
| Power | 40W |
| Timing | 1-8H |
| Speed | 8000 rpm |
| Rotating angle | Around 120 degrees |
| Height | 25.98 in/38.58 in (660 mm/980 mm) |
| Weight | Apprx. 6.2 lbs/11.2 lbs (2.8 kgs/5.1 kgs) |
| The length of power cord | 59.1 in (1.5 m) |

Hazardous substances used for electric fans located in the table below. According to the marking requirements for the restricted use of hazardous substances in electronic and electrical products, GB/T 26572-2011. The following sections list the names and amounts of hazardous substances that may be contained in this product.

| Part Name | Harmful substances | | | | | |
|---|---|---|---|---|---|---|
| | Pb | Hg | Cd | (Cr (VI) )) | PBB | PBDE |
| Plastic Parts | O | O | O | O | O | O |
| Aluminum tube | O | O | O | O | O | O |
| Display | O | O | O | O | O | O |
| Motor | × | O | O | O | O | O |
| Sponge | O | O | O | O | O | O |
| Power cord | × | O | O | O | O | O |

This form is prepared according to the rules of, SJ/T113640 which indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit set by GB/T26572 (1EC62321). An X in the table above indicates that the content of the hazardous substance in at least a homogeneous material of the part exceeds the limit specified in GB/T26572. However, the "x" part shown in the above table contains more than the mature alternative technology in the industry.

Environmental protection service life
The mark indicated on the instruction manual indicates that the environmental protection use period is 10 years. The environmental protection use period of electrical and electronic products means that the toxic and harmful substances, or elements, contained in the electrical and electronic products will not leak to the outside or suddenly change, and the users of the electrical and electronic products will not use the environment when using the electronic and electrical products. A period of serious pollution or serious damage to the human body and property. Please use this product in accordance with the instruction manual during the environmental protection period.

Waste and recycling regulations for electrical and electronic products. In order to better care for and protect the earth, when the user no longer needs this product or the product is at the end of its life, please comply with the relevant laws and regulations on the recycling of waste electrical and electronic products in the country, and hand it over to the qualified and local, state-recognized recycling facility.

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