

Things to know when using the air conditioner

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You need to know when using the air conditioner, if you just turn on the machine and adjust the temperature arbitrarily, it is a mistake. The way of more than 90% of people using air conditioners will reduce the life of the air conditioner and cost more electricity. You'll know if you're among these people after taking these precautions.



Things to know when using the air conditioner first

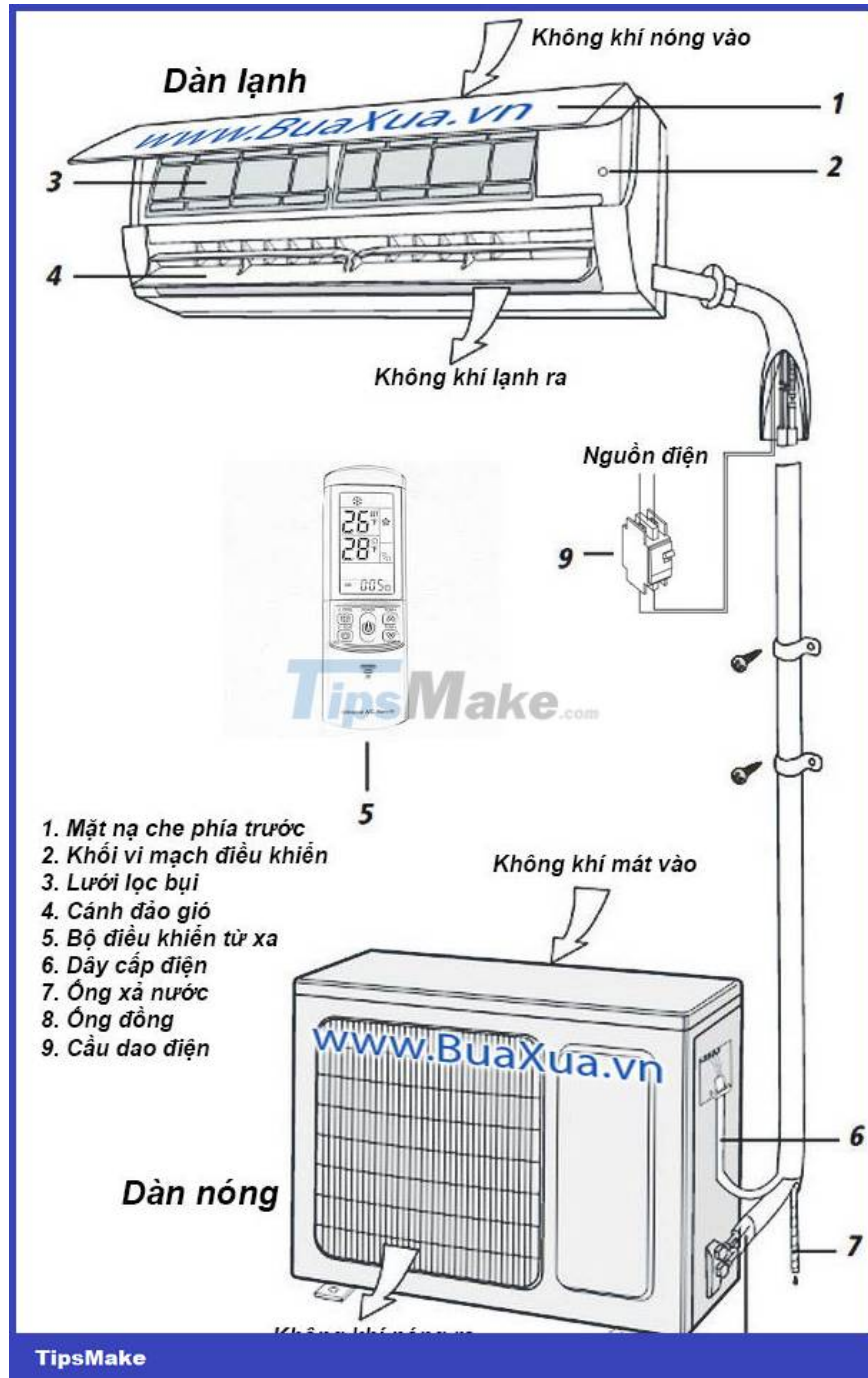
What is an air conditioner?

Air conditioner is an abbreviation of the shortened version of the function of an air conditioner - **Air Conditioner** , is a device that helps stabilize the temperature of the air, bringing comfort and comfort to us. While air conditioners have two functions, cooling and heating, air conditioners have only one function, cooling.

People often call one-way air conditioner or simply air conditioner to distinguish it from two-way air conditioner - air conditioner.

See the guide How to choose to buy an air conditioner

Working principle of air conditioner



Working principle of air conditioner

Like other electrical appliances, in order to know how to use the air conditioner correctly, you need to learn how it works. In this article, we will talk about two-stage air conditioners or commonly known as two units, the most used type of air conditioner in homes today.

Two-stage air conditioners will have two separate blocks. The indoor unit block - the cooling unit is installed in the room and the outdoor unit - the air compressor unit is installed outside. There is also a system of copper pipes and wires connecting the indoor and outdoor units. The air conditioner is controlled by a remote controller

- Remote Control .

Normally when the power is supplied, the air conditioner will be in a standby state - **Standby** . When you press the **On / Off - On / Off** button on the remote control to turn on the air conditioner, the indoor unit will work first, it will check the settings and the temperature recorded from the controller. If the room temperature is higher than the selected level, the outdoor unit will be activated and the air compressor will operate. The fan in the outdoor unit will rotate to cool the outdoor unit.

The heat sink of the indoor unit will be cooled, the fan in the indoor unit will suck the hot air in the room and pass it through the radiator to cool the air and then blow it back to the outside. Cold air will be evenly distributed in the room thanks to the directional fins and the air swing unit. At this time, the air conditioner is in a state of high capacity **operation , consuming a lot of power.**

When the room temperature drops to the temperature you have selected, the air compressor in the outdoor unit will stop working. At this time, the sound emitted from the outdoor unit will be reduced because only the sound of the cooling fan rotates. The air conditioner or rather the air compressor will switch to the **Sleep** state , the operating capacity decreases and consumes less power. The fan and other functions of the indoor unit still work.

Next, due to the influence of the surrounding environment, after a period of time the temperature in the room will gradually increase. The temperature sensor in the indoor unit will recognize this change and order the compressor to work again, continuing the **Operation - Rest cycle** of the air conditioner.

In addition, during operation, at the indoor unit will occur a heat exchange phenomenon between the hot air and the cold radiator, causing the air temperature in the indoor unit to drop low, creating dew-condensation. capacitor. The condensate is directed into the tube and out.

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Notes when using the air conditioner

See the manual How to use the air conditioner



Choose the right temperature for the air conditioner

Choose the right temperature

Many people think that when they first turn on the air conditioner, the temperature should be really low to let it cool quickly and then increase it back to normal. This is wrong, no matter how low you adjust the temperature, the air conditioner will still work normally and the temperature will also drop slowly. Doing so will not reduce the temperature faster, but only consume more power.

Use the fast cooling mode

Of course, you always want to have a cool, refreshing space right after going outside in the hot sun and entering the house. If so, please equip air conditioners with fast cooling mode.

When you press the quick cooling mode selector on the controller, the air conditioner will operate at the highest capacity, the fan will blow hard to quickly reduce the temperature. When the temperature drops to the specified level, the air conditioner will automatically switch to normal mode or automatic mode.

Each manufacturer will have fast cooling technology with different names such as Turbo, Fast Cooling, Powerful, .., but the price to pay is that power consumption will also increase if you regularly use the mode. this degree.

Use the dehumidification mode of the air conditioner

Dry is a mode used in rainy days when the humidity is very high, this mode helps to dry the humid air and keep the room air cool and dry.

The air conditioner in Dry mode works as a dehumidifier by removing moisture from the indoor air. Dry air makes you feel better in a humid climate.

Normally, when using the air conditioner continuously for a long time, you should switch the air conditioner to dehumidification mode for a few hours. This mode should be used often in the rainy season or when the room has a musty smell.

To maximize dehumidification during **Dry** mode operation , the air conditioner can operate at a lower or higher temperature than the set temperature from the remote controller.

You should not abuse the dehumidification - **Dry** mode of the air conditioner. Using this mode for a long time will make the air too dry, which will negatively affect your respiratory health.

Air conditioner does not produce oxygen

The air conditioner when operating creates a cool breeze that makes you feel easier to breathe, so it is thought that the air conditioner produces oxygen. But in fact, the air conditioner only cools the old air in the room unless your air conditioner has the function of taking air from outside.

So using the air conditioner for a long time is not good because the longer it is used, the amount of oxygen in the air will decrease and at the same time the amount of CO₂ will increase.

So sometimes you have to open the room door or use the exhaust fan to make the air in the room ventilated.

Is the air blown out of the air conditioner clean?

Contrary to its glossy exterior, an air conditioner is not as clean a device as you might think. You will know this when you open the front panel of the indoor unit. You will see dust everywhere, on the radiator fins, guide fins, fans, . and this is also the place where mold and bacteria live and grow.

Some air conditioners are equipped with Ion technology or Nano filter to help clean the air. Negative ions have the ability to capture and neutralize the activity of bacteria, viruses, and molds that cause unpleasant odors. Nano filter will remove dirt to help neutralize attached microorganisms and eliminate odors.

However, you also need to pay attention to clean the air conditioner periodically about every 6 months depending on your usage.

Is the water released from the air conditioner clean?

Normally, when using the air conditioner from bedtime to morning, you can catch about 5 liters of water thrown out of the air conditioner. This water is condensed so it is initially clean water just like rain water. But because the water is directed through the parts of the air conditioner, these parts are often dusty, very dirty, so the water thrown out of the air conditioner is also contaminated and may contain bacteria. You can use this water for anything suitable but not drinkable.

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Why is the electricity bill so high this month?

Many people wonder why this month's electricity bill is so much higher than previous months even though they still use electrical appliances as usual.

One of the reasons for the increase in electricity bills is due to air conditioning. As mentioned above, the operating principle of the air conditioner is not to operate continuously but according to the **Activity - Rest** cycle . Due to the influence of the surrounding environment, in the cool season, the air conditioner's Rest cycle **will be longer than the Active** cycle , so the air conditioner consumes less power. On the contrary, in the hot season, the **operation** cycle of the air conditioner will be longer than the **rest** cycle , so the air conditioner consumes more power.

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How to use air conditioner efficiently and with less electricity?

1. Choose an air conditioner with a design and capacity suitable for the area of ???the room to optimize efficiency.
2. Choose an air conditioner equipped with Inverter technology to help save up to 50% of electricity consumption.
3. Install the air conditioner so that the distance between the indoor and outdoor units is the shortest to avoid heat loss.

4. Choose the location of the indoor unit and adjust the air vents so that the cold air can spread evenly throughout the room, not focusing on one corner.
5. Use the air conditioner properly and choose the right temperature. The indoor temperature should be between 25°C - 28°C. Just a small change in temperature increases power consumption.
6. Do not let the air conditioner run continuously 24 hours a day. Turning on the air conditioner continuously all day will be harmful to your health because the air is not circulated as well as increasing the humidity in the room.
7. Use the timer mode of the air conditioner to choose the time to turn off, especially at night. The timer will ensure that you both have a good night's sleep and don't get cold at night, but it can also save electricity very effectively.
8. Do not turn on/off the air conditioner frequently. The air conditioner has a self-sleep function so you don't have to. Continuous On/Off will also make the air conditioner less durable. You should turn off the air conditioner about 30 minutes before going out.
9. Do not let cold air escape. This will cause the air conditioner to operate continuously, which will consume a lot of power and reduce the life of the machine.
10. Install curtains to help prevent direct sunlight from entering the room, and also to separate windows to prevent indoor air from escaping.
11. Power circuit breaker of the air conditioner. When turning off the air conditioner, it will not turn off completely but switch to the standby state. Therefore, if you do not use the air conditioner for a long time, you should cut off the power supply breaker to the air conditioner, which will help save electricity and avoid the risk of short-circuit causing a fire.

See instructions on how to do it yourself at home easily

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