

# Should a direct or indirect drive be used?

This article will help you have a better view of 2 lines of direct and indirect drive washers. Let's refer to offline!

In recent years, people have become accustomed to the concept of direct drive washing machine? Some major washing machine brands such as Samsung, LG, Toshiba . launched a lot of "winged" ads for this washing machine. So what are direct drive washers? Should we use them instead of traditional indirect drive washers? Let's go find **Quantrimang** !

## Quick review of content

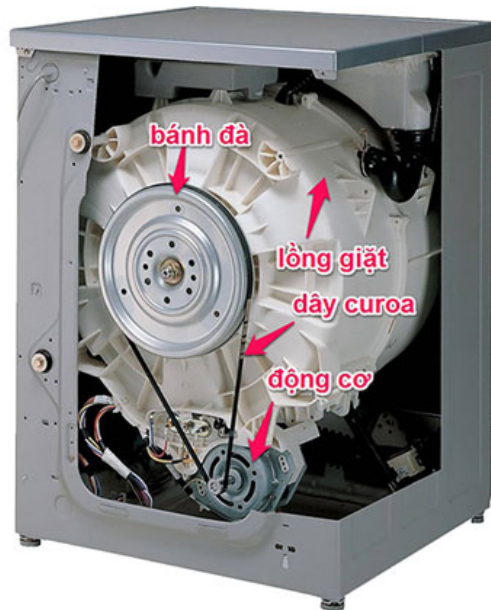
1. I. What is an indirect drive washer?
2. II. What is a direct drive washer?
3. III. Note when using the washing machine



## I. What is an indirect drive washer?

Indirect washing machine, is the first washing machine line. The motor will convert the electricity into a rotating motion of the washing bucket through a belt system (connected between the engine of the machine and the washing cage).

The illustration below shows that the washing machine uses a direct drive motor that combines the washing machine's motor, the drive belt (belt) and pulley (pulley) into a single machine directly attached to washing cage.



### **Advantages:**

1. Indirect drive washers are usually cheaper than direct drive washers.
2. In addition, since it has been on the market for a long time, it is easy to find replacement parts for repair at a cheaper cost.

### **Disadvantages:**

1. It usually operates poorly because it must drive through the belt and flywheel (pulley).
2. After a period of use, belts and flywheels are often stretched and stretched to reduce the ability to drive, causing annoying noises and vibrations.
3. The machine creates more friction, so it also consumes more power.
4. There are many operating devices, so the risk of malfunction and engine wear is also higher, resulting in more repair costs, not economically guaranteed for users.

### **Some favorite indirect washing machines:**

1. Washing machine Electrolux Inverter 8 kg EWF8025CQWA - Reference price: VND 8,490,000
2. Washing machine Beko Inverter 8 kg WTV 8512 XS0 - Reference price: VND 8,290,000
3. Door washer on Aqua 9 kg AQW-S90ZT - Reference price: VND 5,390,000

## **II. What is a direct drive washer?**

Unlike an indirect drive washing machine, a direct drive washer (also known as a cage washer) is a rear-washing machine with a new design, eliminating the drive mechanism via dynamic belt. The motor is attached directly to the washing cage so when the motor turns, the washing bucket also follows.



### Advantages:

1. **Power saving:** Due to direct drive from the motor to the washing bucket, there is no power loss as when using a belt.
2. **Noise reduction:** The machine has a uniform structure from engine to washing cage and fewer components means eliminating noise from many different components. Especially limiting vibration a lot compared to indirect drive washers.
3. **Higher durability:** The device uses less equipment to make motion for the washing cage more, so there is less risk of deterioration and higher durability, thereby reducing the cost of repair.
4. **Higher spin speed :** Due to the uniform design between the motor and the washing bucket, the direct drive washing machine allows the drum to have much higher rotational speed than the indirect drive washing machine, greatly reducing the time drying time. Some newer washing machines using Inverter technology also have the ability to self-regulate voltage to save power.
5. **Fast and precise positioning of the drum:** Sensors on direct drive washers directly attached to the engine should help control and determine the exact amount of clothing.

### Defect:

1. The price is about 1 -2 million higher than the indirect drive.
2. **High repair and maintenance costs:** Finding harder replacement parts makes the repair of direct drive washers even higher. In addition, the transmission washing machine's electronic circuit board is more complex than the indirect washing machine, which leads to higher repair costs.
3. **Easy to damage clothes due to negligence:** Due to the very high rotation motion, if you do not choose the appropriate washing mode, the direct drive washing machine will likely damage the clothes.

### Refer to some direct drive washing machine codes:

1. Door washer on 14 kg Toshiba DC1500WV - Reference price: 11,800,000 VND
2. Drying machine LG F2514TGW - Reference price: VND 22,300,000

## III. Note when using the washing machine

Whether **direct** or **indirect** drive washers, front-loading washing machines or upper-door washing machines, the most vulnerable parts are usually electronic circuits, where electronic circuits are very sensitive to moisture and shock. electricity, so you need to put the washing machine in a dry place, avoid leaving it in the bathroom or let it drop into the circuit board, and make sure the supply voltage for the washing machine is always stable.



In the summer, the voltage may fluctuate due to increased demand for electricity, when using the washing machine, you should completely remove the washing machine plug from the power source.

Direct-drive washing machines are becoming more and more popular and understandable. However, that does not mean that you should immediately ignore the benefits of indirect drive washers. Good luck in choosing the most optimal washing machine for your family!

If you want to buy a washing machine, you can order online on **META.vn** website or contact directly at the hotline number below for best advice and service: **Hanoi: 024.35.68.69.69** or **TP . HCM: 028.38.33.33.66** .

**Further reference** : Introducing the special technology of Sharp portable mini washing machine

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