

# HITACHI

## *Difference Between Non Inverter 1.5 ton AC And 5-Star Inverter ACs*

Buying a new air conditioner can be confusing with all the technical words. There are two main types - the non-inverter and the inverter AC. Let me explain the non-inverter kind first, also called the 1.5-ton AC.

This is the older model that many of our parents and grandparents used to have. It doesn't have any fancy features, just basic air conditioning. It's like an old car that is powerful but drinks a lot of gas.

The **non-inverter 1.5 ton AC 5 star** only has two modes - full power or off. It cannot adjust its cooling power. So it will blast at maximum even if the room is already cool enough. This wastes a lot of energy and electricity.

### **The Modern Inverter AC**

Then there are the new **5-star inverter ACs**. These are the latest models with advanced technology. They are like the Tesla of ACs - energy-saving and high-tech.

Unlike the non-inverter AC that is stuck at full blast, the 5-star inverter AC can change its cooling power as needed. It has a special inverter technology that controls the compressor speed. So it can run slower or faster depending on the room temperature.

This means the inverter AC only uses the power it needs to maintain the cooling. It doesn't waste energy by always running at maximum. In fact, it can save up to 50% on electricity compared to the old non-inverter models!

### **The Advantages of Inverter ACs**

Aside from saving electricity, 5-star inverter ACs have other great advantages:

- 1) They run very quietly, especially at lower speeds, unlike non-inverters that are noisy.
- 2) They maintain a steady, comfortable temperature without fluctuations.

However, inverter ACs cost more to buy initially than non-inverter models. But the higher price is worthwhile because of the long-term electricity savings and better cooling experience.

### **Making the Right Choice**

When I recently had to **buy AC near me**, I decided the inverter AC was the smarter choice for my needs. While more expensive at first, it will pay off through reduced electricity bills over its life. It also runs quietly and keeps my home at an ideal temperature.

### **Sizing it Right**

One important factor when choosing between a non-inverter and inverter AC is sizing it properly for your room's dimensions. A **1.5 ton non-inverter AC** is meant for medium-sized rooms of around 150-180 sq ft.

However, inverter ACs are available in a wide range of tonnages - from 1-ton to 2-ton capacity. This allows you to pick the ideal size based on the room's square footage, rather than just having a one-size-fits-all 1.5-ton option.

An undersized AC, whether inverter or non-inverter, will struggle to cool the room effectively. While an oversized one keeps cycling on and off, wasting energy. So get your room's area measured correctly before picking the tonnage.

### **Installation Matters**

Apart from the AC type, another crucial element is professional installation. Even the **best 5-star inverter AC** will underperform if not installed properly. Aspects like mounting the indoor and outdoor units at optimal positions impact performance.

Ideally, use the installation service provided by the AC brand you purchase. Their trained technicians understand that particular model best and can ensure proper, efficient setup. Cutting corners with inexperienced installers can lead to frequent breakdowns and poor cooling.

### **Maintenance is Key**

Like any appliance, some basic maintenance is required to keep your AC running smoothly for years. Cleaning the air filters regularly is a must, as clogged filters make the AC work harder.

For inverter ACs, the technician may recommend annual servicing to check the compressor, gas levels, electronics, etc. This helps maximize efficiency and prevents costlier repairs down the line.

While non-inverter models are simpler units, they too need basic services like gas top-ups, filter cleaning and run-through checks periodically. Don't ignore your AC's maintenance needs - it will serve you longer.

### **Smart Combos**

Another emerging trend is smart ACs that can be controlled via smartphones and voice assistants. Both inverter and non-inverter models offer these wifi-enabled variants nowadays.

You can simply use an app to switch the AC on/off, change modes and temperature from anywhere. Some even allow scheduling temperature changes when you're not home.

These smart ACs make cooling smarter and more convenient. But they do cost more than basic non-wifi units, so factor in your needs.

### **The Final Verdict**

In the battle of AC technologies, inverter models clearly lead when it comes to energy savings, consistent cooling and quiet operation. The higher upfront cost is offset by long-term gains.

But traditional non-inverter ACs still make sense for smaller budgets or when powerful, no-frills cooling is required. As long as you buy the right size and maintain it well, it can keep you reasonably comfortable.

No matter which AC you pick, Professional installation, proper sizing for your room, and routine maintenance are vital for efficient cooling. Also, explore smart capabilities if needed. With the right selection and setup, you can beat the summer heat without burning a hole in your pocket!

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