

international comfort products model numbers

International comfort products model numbers are critical identifiers used in the HVAC (Heating, Ventilation, and Air Conditioning) industry. These model numbers serve as a unique code that helps consumers, technicians, and manufacturers identify specific units, their features, and compatibility with various systems. Understanding these model numbers is essential for maintenance, repairs, and replacements, making it a valuable topic for homeowners, contractors, and HVAC professionals alike.

What Are International Comfort Products?

Founded in 1995, International Comfort Products (ICP) is a subsidiary of United Technologies Corporation and is known for producing a wide range of heating and cooling systems. ICP offers products that focus on efficiency and reliability, including:

- Air conditioners
- Heat pumps
- Furnaces
- Air handlers
- Coil systems

Each product line has its own set of model numbers, which are structured to provide specific information about the unit.

Understanding Model Numbers

Model numbers are alphanumeric codes that can vary in length and complexity depending on the type of equipment. For ICP products, the model number typically consists of a combination of letters and numbers, each representing different attributes of the unit.

Structure of Model Numbers

The model number for an ICP product often follows a standardized structure that includes the following components:

1. **Brand Identifier:** The first few letters often represent the brand or series name. For example, "N" may refer to a specific line of furnaces.
2. **Type of Equipment:** This part indicates the type of equipment, such as "A" for air conditioners or "H" for heat pumps.
3. **Capacity:** This number, often represented in BTUs (British Thermal Units), gives insight into the size

and efficiency of the unit.

4. Features: Additional letters may indicate specific features such as energy efficiency ratings, design alterations, or control types.

5. Revision or Series: The final characters typically denote the series or revision of that particular model.

For example, a model number like "N4A324GKH" can be broken down as follows:

- N: Brand identifier
- 4A: Type of equipment (Air Conditioner)
- 32: Capacity in thousands of BTUs
- 4G: Specific design features
- KH: Series revision

Common Model Numbers for ICP Products

Understanding common model numbers can help in identifying products quickly. Below are a few examples, along with their specifications:

1. N4A324GKH

- Type: Air Conditioner
- Capacity: 24,000 BTUs
- Features: Includes high-efficiency compressor

2. G9MVE10016

- Type: Gas Furnace
- Capacity: 100,000 BTUs
- Features: Multi-speed blower

3. H4HXC036

- Type: Heat Pump
- Capacity: 36,000 BTUs
- Features: Dual-stage operation

4. C4AC3024C

- Type: Air Conditioner
- Capacity: 30,000 BTUs
- Features: Compact design

These examples illustrate how model numbers can provide a wealth of information at a glance.

Why Model Numbers Matter

The significance of model numbers cannot be understated. They play a crucial role in various aspects of HVAC systems, including:

1. Identification for Repairs and Services

- Technicians rely on model numbers to source the right parts for repairs.
- Understanding the model number helps identify warranty status and service history.

2. Compatibility with Existing Systems

- Model numbers indicate whether a unit is compatible with other systems.
- Specific models may have different electrical requirements or refrigerant types.

3. Energy Efficiency Ratings

- Model numbers often include energy efficiency ratings, helping consumers choose models that save on energy costs.
- Identifying models with high SEER (Seasonal Energy Efficiency Ratio) ratings can lead to lower utility bills.

4. Compliance and Regulations

- Knowing the model number helps ensure compliance with local HVAC regulations and standards.
- It assists in verifying if the unit meets environmental guidelines.

Decoding Model Numbers for Specific Products

To further aid consumers and technicians, let's delve into how to decode model numbers for specific ICP product categories.

Air Conditioners

When looking at air conditioner model numbers, focus on:

- The first character or characters often indicate the brand.
- The next part typically specifies the type (e.g., "4A" for residential).
- Capacity is usually indicated in the next two digits.

For instance, an "N4A336GKH" model number breaks down as follows:

- Brand: N
- Type: 4A
- Capacity: 36,000 BTUs

- Features: GKH indicates high-efficiency features.

Furnaces

Furnace model numbers typically follow a similar structure, but the letters may vary:

- The first letter represents the fuel type (e.g., "G" for gas).
- The following numbers indicate capacity, while the last letters often signify efficiency and features.

For example, "G9MVE08016" can be understood as:

- Fuel: G (Gas)
- Model: 9M (indicating a 90% efficiency)
- Capacity: 80,000 BTUs

Heat Pumps

Heat pump model numbers also include similar identifiers but often have unique codes for the heat pump's specific features:

- The first character may represent the type of pump.
- The following numbers generally indicate capacity and efficiency ratings.

For example, "H4HXC048" can be decoded as follows:

- Type: H (Heat Pump)
- Capacity: 48,000 BTUs

How to Find Model Numbers

Locating the model number on an ICP unit is relatively straightforward. Here are common places to check:

- On the Unit: Most manufacturers include a label on the side or back of the unit.
- User Manuals: The model number is often listed in the user manual or installation guide.
- Manufacturer's Website: Many manufacturers provide online tools to help locate model numbers based on unit type.

Conclusion

International Comfort Products model numbers are essential identifiers that provide valuable information about HVAC systems. Whether you are a homeowner looking to replace an old unit, a technician performing maintenance, or a contractor specifying equipment for a project, understanding

these model numbers can simplify the process and ensure proper selection and service. By knowing how to decode the model numbers, you can navigate the world of HVAC systems with greater confidence, making informed decisions that contribute to comfort and efficiency in your living or working environment.

Frequently Asked Questions

What are the most popular model numbers of International Comfort Products (ICP)?

Some of the most popular model numbers include the ICP 15 SEER Series, the ICP 14 SEER Series, and the ICP 16 SEER Series, which are known for their efficiency and reliability.

How can I find the right model number for my International Comfort Products unit?

You can find the right model number by checking the data plate on your unit, which is usually located on the side or inside the door. Additionally, the user manual or ICP's official website can provide detailed information.

Are there specific model numbers of ICP that are more energy-efficient?

Yes, model numbers with higher SEER ratings, such as the ICP 18 SEER Series, are designed to be more energy-efficient, helping to reduce energy costs while providing optimal comfort.

What should I do if I can't find the model number for my International Comfort Products unit?

If you can't find the model number, check for the serial number on the unit and contact ICP customer service or your local technician. They can help you identify the model using the serial number.

Do different model numbers of ICP indicate different features?

Yes, different model numbers often indicate varying features such as energy efficiency, cooling capacity, and additional technology like smart thermostats or variable speed motors.

How can I know the age of my International Comfort Products unit using the model number?

You can determine the age of your ICP unit by decoding the first two digits of the model number, which typically represent the year of manufacture. For example, a model number starting with '20' would indicate it was manufactured in 2020.

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