

Briggs And Stratton Specs By Model Number

Briggs and Stratton specs by model number When it comes to maintaining, repairing, or purchasing replacement parts for Briggs & Stratton engines, understanding the specific specifications tied to each model number is essential. Briggs & Stratton, a well-known manufacturer of small engines for outdoor power equipment, offers a diverse range of engines with varying features, power outputs, and technical details. The model number acts as a key identifier that unlocks detailed information about the engine's specifications, including horsepower, displacement, ignition type, fuel requirements, and more. This article provides a comprehensive overview of how to interpret Briggs & Stratton specs by model number, highlighting the importance of accurate model identification, and breaking down the typical specifications associated with different engine models.

Understanding Briggs & Stratton Model Numbers

What Is a Briggs & Stratton Model Number?

A Briggs & Stratton model number is a unique alphanumeric code assigned to each engine or equipment product. It serves as the primary reference point for identifying the engine's features, specifications, and compatible parts. The model number typically appears on the engine's data decal or plate, which is often located on the engine shroud or frame.

Structure of a Model Number

Most Briggs & Stratton model numbers follow a standardized format that encodes vital information about the engine. For example, a typical model number might look like: 123K02-1005-B1. The structure generally includes:

- Series code: Indicates the engine family and design features.
- Displacement and horsepower identifiers: Provides details on engine size.
- Manufacturing codes: Indicate production specifics such as manufacturing year and factory.
- Version or variant codes: Show specific features or configurations.

While variations exist between product lines, understanding the general structure allows for quick identification of the engine's core

specifications.

Key Specifications Derived from Model Numbers

The specifications associated with Briggs & Stratton engines can be broadly categorized into several key areas. The model number helps decode these details, allowing users to compare engines, select appropriate replacement parts, or troubleshoot issues.

1. Engine Series and Family

The first part of the model number often indicates the engine series or family. Examples include: - 100 Series: Entry-level engines designed for light-duty applications. - 300 Series: Mid-range engines suitable for more demanding tasks. - 500 Series: Heavy-duty engines with higher power output. - Vanguard Series: Commercial-grade engines with enhanced durability. Understanding the series helps determine the engine's intended use and durability.

2. Engine Displacement and Power

Displacement (measured in cubic inches or cubic centimeters) and horsepower are crucial for performance assessment. These are often embedded within the model number or identified in associated documentation. - Displacement: Ranges from about 139cc in small engines to over 725cc in larger models. - Horsepower (HP): Typically from 3 HP in smaller engines to over 24 HP in larger commercial models. Knowing the model number allows you to look up exact power ratings, which are vital when matching an engine to an application.

3. Ignition System Type

Most Briggs & Stratton engines use: - Magneto ignition: For small engines. - Electronic ignition: For more advanced models offering better fuel efficiency and reliability. Model numbers can specify the ignition type, which influences starting procedures and maintenance requirements.

4. Fuel System Specifications

Details about fuel requirements include: - Carburetor type: Fixed or adjustable. - Fuel mixture: Gasoline-only or with oil mixture (for two-stroke engines). These specifications are often linked to the model number's series designation.

5. Starting Method

Engines may feature: - Recoil start: Pull-start mechanism. - Electric start: Includes a battery and starter motor. Model numbers can indicate whether an engine includes electric start capability, which influences maintenance and replacement procedures.

6. Compression Ratio and Valve Configuration

More advanced engine models specify: - Compression ratio: Affects power and efficiency. - Valve configuration: Overhead valve (OHV) or flathead. These internal specs are usually detailed in the engine's technical datasheet linked to the model number.

How to Find and Interpret Briggs & Stratton Specs by Model Number

Locating the Model Number

The model number is often located on a metal data plate attached to the engine housing. It's important to: - Clean the engine surface to locate the label. - Note the entire model number, including series codes and suffixes.

Using Briggs & Stratton Resources

Once the model number is identified, you can: - Visit the Briggs & Stratton website: Use their parts lookup tool. - Consult the engine manual: Manuals typically include the full specifications. - Contact customer support: For detailed technical information.

Decoding the Model Number

Briggs & Stratton often provides a coding guide online to interpret model numbers. This guide explains what each segment of the code represents, enabling precise identification of specifications.

Common Briggs & Stratton Engine Models and Their Specs

Below is an overview of some popular Briggs & Stratton engine models, their typical specifications, and applications.

100 Series Engines

- Model Example: 102702-00 - Displacement: 139cc - Horsepower: 3.5 HP - Ignition: Magneto - Starting Method: Recoil - Application: Lawn mowers, small equipment

300 Series Engines

- Model Example: 126702-0114-G1 - Displacement: 190cc - Horsepower: 5 HP - Ignition: Electronic - Starting Method: Recoil or electric - Application: Larger lawn equipment, generators

500 Series Engines

- Model Example: 122700-0124-G1 - Displacement: 190cc - Horsepower: 6.5 HP - Ignition: Electronic - Starting Method: Electric start available - Application: Commercial mowers, power washers

Vanguard Series Engines

- Model Example: 50E777 - Displacement: 627cc - Horsepower: 24 HP - Ignition: Electronic - Starting Method: Electric start - Application: Commercial and industrial equipment

Importance of Accurate Specification Matching

Matching engine specifications to your equipment or repair parts is critical to ensure optimal performance and safety. Incorrect specifications can lead to: - Poor engine performance - Increased fuel consumption - Premature wear or failure - Compatibility issues with replacement parts By leveraging the model number, you can access precise specs and avoid costly mistakes.

Conclusion

Understanding Briggs & Stratton specs by model number is a fundamental skill for anyone working with outdoor power equipment. The model number encodes vital information about engine series, displacement, horsepower, ignition system, and more. By accurately locating and interpreting this code, users can make informed decisions about maintenance, repairs, and replacements. Briggs & Stratton provides extensive resources, including manuals and online tools, to decode these specifications efficiently. Whether you are a homeowner, landscaper, or professional technician, mastering how to read and utilize Briggs & Stratton specs by model number ensures your equipment runs smoothly and reliably for years to come.

Briggs and Stratton Specs by Model Number: An In-Depth Analysis When it comes to small engine reliability, durability, and performance, Briggs and Stratton stands as one of the most recognizable brands in the industry. With a history spanning over a century, the company has manufactured a wide array of engines powering lawn mowers, generators, pressure washers, and other outdoor power equipment. For consumers, contractors, and repair professionals alike, understanding Briggs and Stratton specs by model number is essential for proper maintenance, troubleshooting, and compatibility assessments. This comprehensive review aims to demystify the complexities surrounding Briggs and Stratton model numbers, delve into how these numbers encode specifications, and provide guidance for identifying engine features essential for various applications.

Understanding Briggs and Stratton Model Number Structure

Before exploring specific specs, it is vital to understand how Briggs and Stratton encodes information within its model numbers. The model number acts as a fingerprint, revealing engine type, displacement, power ratings, and other vital details.

Typical Model Number Format

Most Briggs and Stratton engines feature a model number consisting of a combination of letters and numbers, often formatted as:
Model Number: 1234-XYZ-5678 - First segment (e.g., 1234): The model number, indicating the specific engine design and features. - Second segment (e.g., XYZ): The type or series, such as 'Q', 'V', or 'L', denoting variations like quiet operation, V-twin configuration, or low-profile design. - Third segment (e.g., 5678): The spec number, often indicating the version or iteration of the engine. In some cases, Briggs and Stratton also includes a Type Number, which provides additional detail about the engine's configuration, such as manufacturing location, revisions, or specific features.

Decoding Briggs and Stratton Specifications by Model Number

Understanding what each part of the model number signifies allows users to identify engine capacity, power output, features, and compatibility. Below, we examine these aspects in detail.

Engine Displacement and Power Ratings

The core specifications often relate to engine displacement (measured in cubic centimeters, cc) and horsepower (HP). While the model number doesn't always directly encode cc or HP, manufacturers often provide this info in official documentation. However, certain model series are associated with specific power ranges. Common Briggs and Stratton engine series and their approximate specs:

Series	Displacement (cc)	Power Output (HP)	Typical Applications
100 series	190 cc	3.5 – 4.0 HP	Residential lawn mowers, snow throwers
200 series	190-190 cc	3.5 – 4.0 HP	Residential equipment
300 series	190-190 cc	3.5 – 4.0 HP	Slightly commercial applications
400 series	190-250 cc	4.0 – 6.0 HP	Commercial-grade mowers, generators
Vanguard Series	352-747 cc	10.0 – 30 HP	Commercial, industrial, large equipment

Note: These are approximate ranges; actual specs depend on specific models.

Series and Their Significance

The second, middle part of the model number often indicates the engine series, which corresponds to certain features: - Q-Series: Quiet operation, often equipped with noise-reducing mufflers. - L-Series: Low-profile engines designed for space-constrained applications. - V-Series: V-twin engines, offering higher power and smoother operation. - E-Series: Economical, basic engines suited for light-duty tasks. - Commercial Series (e.g., Vanguard): Heavy-duty engines designed for prolonged use and higher stress. Example: - 126T02-0001-F1: - 126T: Series designation, indicating a specific engine series with certain features. - 02: Series version or iteration. - 0001: Model-specific identifier. - F1: Manufacturing location or revision.

Key Specifications Encoded in Model Numbers

While not all specifications are explicitly part of the model number, several critical features are associated with certain model codes:

Engine Type and Configuration

- Single-cylinder vs. V-twin: Model numbers beginning with "V" often indicate V-twin engines, which are more powerful and suitable for larger equipment. - Vertical vs. Horizontal Shaft: Shaft orientation is sometimes indicated in the model number or accompanying documentation, affecting compatibility.

Fuel System and Ignition

- Carbureted vs. Fuel Injection: Modern models with fuel injection may have specific designations or suffixes (e.g., "i" for injected). - Ignition Type: Electronic ignition is standard across most recent models; older models might have points ignition.

Recoil vs. Electric Start

- Model numbers may include suffixes like "E" for electric start or "R" for recoil start. Example: - 123H02-0010: - H series for higher horsepower. - 02 indicating a specific model version. - 0010 model number.

Case Studies: Model Number to Specs Breakdown

To illustrate how Briggs and Stratton specs can be interpreted through model numbers, consider the following examples.

Example 1: 1234-0152-01

- 1234: Model series, possibly indicating a 190cc, 4.0 HP engine suitable for residential mowers. - 0152: Series or revision, potentially signifying a quiet or low-emission variant. - 01: Version or manufacturing code. Likely Specs: - Displacement: 190 cc - Power: Approximately 3.5–4.0 HP - Features: Recoil start, vertical shaft, carbureted

Example 2: 126V02-0011

- 126V: V-twin engine series, higher horsepower, possibly 16–22 HP. - 02: Series revision. - 0011: Model-specific code. Likely Specs: - Displacement: 500+ cc - Power: 16–22 HP - Features: V-twin configuration, electric start, possibly fuel injection.

Using Model Numbers for Maintenance and Compatibility

Accurate knowledge of model numbers is crucial for: - Parts Replacement: Ensuring compatibility of carburetors, spark plugs, filters, and other components. - Engine Rebuilding: Identifying piston sizes, gasket sets, and other internal parts. - Upgrades and Modifications: Understanding the series and specs guides appropriate upgrades. - Troubleshooting: Recognizing features such as ignition type or shaft orientation improves diagnosis.

Resources for Briggs and Stratton Model Number Specifications

For accurate and detailed specs, users should consult official resources: - Briggs and Stratton Official Website: The most authoritative source for model-specific manuals and part lists. - Owner's Manuals and Service Guides: Usually include detailed engine specs linked to model numbers. - Authorized Service Centers: Professionals who can decode model numbers and provide tailored advice. - Online

Databases and Forums: Communities like Reddit and specialized mower forums often share model number decoding guides.

Conclusion and Best Practices

Deciphering Briggs and Stratton specs by model number is a nuanced process that requires understanding the encoding conventions used by the manufacturer. Recognizing the significance of the series, series revision, and suffixes allows users to grasp key engine features, ensuring proper maintenance, compatibility, and optimal performance. Best practices: - Always record the complete model and type numbers before ordering parts or performing repairs. - Cross-reference model numbers with official manuals and resources. - Be aware of series distinctions to understand the engine's intended application and capabilities. - When purchasing replacement parts or upgrades, verify compatibility based on the model number. With this knowledge, users can confidently navigate the world of Briggs and Stratton engines, ensuring longevity and dependable operation for their outdoor equipment. End of Article

Questions & Answers About briggs and stratton specs by model number

No	Question	Answer
1	How can I find the specifications for my Briggs and Stratton engine using the model number?	To find specifications by model number, visit the Briggs and Stratton official website or consult the engine's user manual. Enter your model number in their parts lookup tool to access detailed specs such as horsepower, displacement, and recommended oil type.
2	What information do I need besides the model number to identify Briggs and Stratton engine specs?	In addition to the model number, the serial number and type number can help provide more precise specifications, especially for parts compatibility and maintenance details.
3	Are Briggs and Stratton specs by model number different for residential vs. commercial engines?	Yes, residential and commercial engines often have different specifications, including power output and durability features. Always check the exact model number to ensure you're viewing the correct specs.

4	Where can I find the model number on my Briggs and Stratton engine?	The model number is typically located on a label or metal plate on the engine, often near the recoil starter, on the engine shroud, or on the frame of the equipment. Refer to your equipment's manual for exact location.
5	Can I upgrade my Briggs and Stratton engine based on specs by model number?	Upgrading an engine requires matching specifications such as horsepower, mounting dimensions, and shaft size. Check the model number specifications carefully before considering any upgrades or replacements.
6	How do Briggs and Stratton specs vary across different engine series by model number?	Different engine series (e.g., 550EX, 625EX, 675EX) have varying specs like horsepower, RPM, and displacement. The model number indicates the series and helps identify these differences.
7	Is there a way to decode the Briggs and Stratton model number to find specs directly?	Yes, Briggs and Stratton model numbers often follow a code that can be decoded to reveal series, engine type, and displacement. Refer to Briggs and Stratton's official decoder guides for detailed interpretation.
8	What are common specifications I should look for when reviewing Briggs and Stratton engine models?	Key specs include horsepower, displacement, RPM, fuel tank capacity, oil capacity, and recommended maintenance intervals. Use the model number to access precise details.
9	How reliable are the specs listed for Briggs and Stratton models by model number?	Specifications provided by Briggs and Stratton are accurate for original factory models. However, always verify with your specific serial and model number, especially if the engine has been modified or replaced parts.

briggs and stratton engine specifications, briggs and stratton model numbers, briggs and stratton engine parts, briggs and stratton technical data, briggs and stratton engine serial number, briggs and stratton service manual, briggs and stratton engine catalog, briggs and stratton horsepower ratings, briggs and stratton engine diagrams, briggs and stratton troubleshooting