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Briggs & Stratton 15T212-0160-F8

Briggs & Stratton 1150 Series Intek PowerBuilt Engine User Manual

Model: 15T212-0160-F8

Product Overview

The Briggs & Stratton 1150 Series Intek PowerBuilt Engine is a robust horizontal shaft engine designed for various applications such as tillers, compressors, log splitters, and edgers. This 250cc engine features a compact overhead valve (OHV) design, which contributes to cooler and cleaner operation, extended engine life, and improved fuel economy. It is 50-state CARB Compliant, ensuring emission standards are met across the United States.

Key features include a dual-element air cleaner for enhanced protection and an electronic ignition system for reliable starting. The engine produces 11.50 ft-lb gross torque and has a maximum RPM of 3,800. Its horizontal shaft output has a 1-inch diameter and 2-7/8-inch length, with a 3/16-inch keyway and 3/8-24 tapped end.

Image: Front view of the Briggs & Stratton 1150 Series Intek PowerBuilt Engine, showing the "XR PROFESSIONAL" branding and recoil starter.

Setup and Installation

Proper setup is crucial for the safe and efficient operation of your Briggs & Stratton engine. Always refer to the specific equipment manufacturer's instructions for mounting and connecting the engine.

1. Unpacking and Inspection

- Carefully remove the engine from its packaging.
- Inspect the engine for any signs of shipping damage. Report any damage to the carrier immediately.
- Ensure all components listed in the packing list are present.

2. Mounting the Engine

The engine features a mounting bolt pattern of 6 3/8 x 3 1/8 inches (L x W). Ensure the mounting surface is flat and capable of supporting the engine's weight and operational forces.

- Secure the engine using appropriate bolts and washers. Tighten all mounting bolts to the manufacturer's specified torque.
- Verify that the crankshaft is properly aligned with the driven component (e.g., pump, tiller tines).



Image: Side view of the engine, highlighting the warning label and a QR code for additional information. The QR code links to http://m.briggsandstratton.com/qr/1407238836904/.

3. Fuel and Oil Filling

Important: The engine is shipped without oil. Always fill with the recommended type and amount of oil before first use.

- **Oil:** The oil capacity is 0.82 - 0.88 quarts (26 - 28 oz.). Use high-quality detergent oil recommended for 4-stroke gasoline engines. Refer to the oil fill cap for specific oil type recommendations.
- **Fuel:** Use clean, fresh unleaded gasoline with an octane rating of 87 or higher. The fuel tank capacity is 3 quarts. Do not overfill.



Image: Side view of the engine, showing the exhaust muffler and the Overhead Valve (OHV) cover.

Operating Instructions

1. Pre-Start Checklist

- Check engine oil level.
- Ensure fuel tank is adequately filled.
- Verify air filter is clean and properly installed.
- Confirm all connections (fuel lines, spark plug wire) are secure.

2. Starting the Engine

- Move the throttle control to the "FAST" position.
- Engage the choke control (if engine is cold).
- Pull the recoil starter handle firmly and smoothly until the engine starts. Do not let the rope snap back.
- Once the engine starts, gradually disengage the choke as the engine warms up.

3. Stopping the Engine

- Move the throttle control to the "STOP" or "OFF" position.
- Turn off the fuel valve (if equipped).

Maintenance

Regular maintenance ensures optimal performance and extends the life of your engine. Always perform maintenance with the engine off and cool, and the spark plug wire disconnected.

1. Oil Change

- Change oil after the first 5 hours of operation, then every 25-50 hours or annually, whichever comes first.
- Drain old oil while the engine is warm.
- Refill with recommended oil to the proper level.

2. Air Filter Maintenance

The engine is equipped with a dual element air cleaner.

- Inspect the air filter every 25 hours or more frequently in dusty conditions.

- Clean or replace the foam pre-cleaner and paper cartridge as needed.

3. Spark Plug Inspection

- Inspect the spark plug annually or every 100 hours.
- Clean and re-gap or replace if necessary.

4. Fuel System

- Use a fuel stabilizer if storing the engine for extended periods.
- Drain the fuel system before long-term storage.

Troubleshooting

Problem	Possible Cause	Solution
Engine will not start	No fuel; Stale fuel; Incorrect choke position; Fouled spark plug; Low oil level (if equipped with low oil shutdown)	Add fresh fuel; Drain and refill with fresh fuel; Adjust choke; Clean/replace spark plug; Fill oil to proper level
Engine runs rough	Dirty air filter; Stale fuel; Carburetor issues	Clean/replace air filter; Drain and refill with fresh fuel; Consult authorized service center
Loss of power	Dirty air filter; Incorrect engine speed; Overload	Clean/replace air filter; Adjust throttle; Reduce load on engine

Specifications

Attribute	Value
Brand	Briggs & Stratton
Model Name	1150 Series Intek PowerBuilt
Model Number	15T212-0160-F8
Engine Displacement	250cc
Gross Torque	11.50 ft-lb
Max. RPM	3,800
Shaft Output	Horizontal
Shaft Diameter	1 inch
Shaft Length	2 7/8 inches
Fuel Tank Capacity	3 quarts
Oil Capacity	0.82 - 0.88 quarts (26 - 28 oz.)
Dimensions (L x W x H)	10 1/8 x 15 5/8 x 15 1/8 inches
Item Weight	41.08 Pounds



Image: Front view of the engine illustrating its overall dimensions: 15.62 inches in height and 15.12 inches in width.

Warranty and Support

For detailed warranty information, please refer to the warranty statement provided with your engine or visit the official Briggs & Stratton website. Warranty terms typically cover defects in materials and workmanship for a specified period from the date of purchase.

For technical support, service, or to locate an authorized service dealer, please contact Briggs & Stratton customer service or visit their official website. When contacting support, have your engine model number (15T212-0160-F8) and serial number ready.

You can also refer to the official user manual PDF available online for comprehensive detailsBriggs & Stratton 1150 Series Engine User Manual (PDF).

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