REPOWER ENGINE SPECIFICATIONS
RE–POWERING GUIDELINES

If replacing a Briggs & Stratton® engine with another Briggs & Stratton engine, use the original engine’s model and type numbers to assure the correct replacement. If replacing a competitor’s engine with a Briggs & Stratton engine, let the engine size and features of the original engine, plus the expected work cycle, guide you in selecting the correct replacement. Also consider these factors:

1. ENGINE SELECTION
   Match the engine’s performance and cost to your specific application to get the optimum performance at an affordable price. That means better value for you.
   - Vanguard™ OHV (overhead valve) engines are maximum performance, cast iron sleeved engines. Select for continuous heavy duty applications.
   - Professional Series™, Commercial Series (Industrial/Commercial) engines are cast iron sleeved. Select for medium duty commercial, industrial and rental use.
   - Intek™ and Powerbuilt™ engines are aluminum cylinder bore OHV engines. Select for general consumer use.
   - Standard engines are aluminum cylinder bore, side valve engines. Select for general consumer use.

2. ENGINE INSTALLATION
   It is important to maintain the original engine's size, starter type and position, fuel tank location, fuel line routing, muffler location, exhaust direction and muffler accessories (i.e., deflector, spark arrester, etc.). Reinstall all guards, shields and safety devices. Replace missing, worn or damaged parts.

3. HORIZONTAL CRANKSHAFT ENGINES
   - Compare the overall engine size to avoid possible mounting interference
   - Match the crankshaft
     A - Diameter
     B - Height (distance from base to crankshaft center line)
     C - Length (distance from oil seal/cover’s mounting face to end of crankshaft)
   - Match the crankshaft type, i.e., keyway, tapered or threaded
   - Match the crankcase cover’s tapped holes for mounting accessories (if applicable)
   - Match the base mounting dimensions and bolt hole spacing

4. VERTICAL CRANKSHAFT ENGINES
   - Compare the overall engine size to avoid possible mounting interference
   - Match the crankshaft
     A - Starter grip position
     B - Diameter
     C - Keyway type
     D - Length (distance from mounting face of sump - not oil seal - to end of crankshaft)
   - Match the mounting base dimensions and bolt hole spacing

WARNING: Briggs & Stratton® engines are not designed for and are not to be used to power: fun-karts; go-karts; children’s, recreational, or sport all-terrain vehicles (ATVs); motorbikes; hovercraft; aircraft products; or vehicles used in competitive events not sanctioned by Briggs & Stratton. For information about competitive racing products, see www.briggsracing.com. For use with utility and side-by-side ATVs, please contact Briggs & Stratton Engine Application Center, 1-866-927-3349. Improper engine application may result in serious injury or death.
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## HORIZONTAL MODELS

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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

*All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

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**ALL POWER RATINGS SHOWN IN THIS CATALOG ARE SUBJECT TO THE FOLLOWING:**

The gross power rating for individual gasoline engine models is labeled in accordance with SAE (Society of Automotive Engineers) code J1940 Small Engine Power & Torque Rating Procedure, and is rated in accordance with SAE J1995. Torque values are derived at 2600 RPM for those engines with "rpm" called out on the label and 3060 for all others; horsepower values are derived at 3600 RPM. The gross power curves can be viewed at www.BRIGGSandSTRATTON.COM. Net power values are taken with exhaust and air cleaner installed whereas gross power values are collected without these attachments. Actual gross engine power will be higher than net engine power and is affected by, among other things, ambient operating conditions and engine-to-engine variability. Given the wide array of products on which engines are placed, the gasoline engine may not develop the rated gross power when used in a given piece of power equipment. This difference is due to a variety of factors including, but not limited to, the variety of engine components (air cleaner, exhaust, charging, cooling, carburetor, fuel pump, etc.), application limitations, ambient operating conditions (temperature, humidity, altitude), and engine-to-engine variability. Due to manufacturing and capacity limitations, Briggs & Stratton may substitute an engine of higher rated power for this engine.
SPECIFICATIONS OF SERVICE ENGINES

LEGEND OF ABBREVIATIONS

STARTER POSITION: Number shown is “o’clock” position of rewind starter. Spark plug is considered to be the 12 o’clock position.


GROUND WIRE TERMINAL: May be used with stop switch in remote location.

ACCESSORY MTG. BOSS or FLANGE MOUNTING: Tapped holes in crankcase cover used to fasten clutch brackets, belt guards, etc.

Briggs & Stratton Corporation believes the specifications in this brochure to be correct at time of printing. However, specifications, standard equipment, options, and colors are subject to change without notice.

YOUR KEY TO THE WORLD’S FINEST ENGINES

This chart explains the unique Briggs & Stratton numerical model designation system. It is possible to determine most of the important mechanical features of the engine by merely knowing the model number. Here is how it works:

A. The first one or two digits indicate the approximate CUBIC INCH DISPLACEMENT.
B. The first digit after the displacement indicates the BASIC DESIGN SERIES, relating to cylinder construction, ignition, general configuration, etc.
C. The second digit after the displacement indicates ORIENTATION OF CRANKSHAFT.
D. The third digit after the displacement indicates TYPE OF BEARINGS, and whether or not the engine is equipped with REDUCTION GEAR or AUXILIARY DRIVE.
E. The last digit indicates the TYPE OF STARTER.

BRIGGS & STRATTON MODEL NUMBERING SYSTEM

<table>
<thead>
<tr>
<th>CUBIC INCH DISPLACEMENT</th>
<th>BASIC DESIGN SERIES</th>
<th>CRANKSHAFT ORIENTATION</th>
<th>PTO BEARING, REDUCTION GEAR, AUXILIARY DRIVE, LUBRICATION</th>
<th>TYPE OF STARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-61</td>
<td>0 - 9</td>
<td>0 to 4 – Horizontal Shaft</td>
<td>0 – Plain Bearing</td>
<td>0 – Without Starter</td>
</tr>
<tr>
<td></td>
<td>A - Z</td>
<td>5 to 9 – Vertical Shaft</td>
<td>3 – Ball Bearing</td>
<td>2 – Rewind Starter</td>
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<tr>
<td></td>
<td></td>
<td>A to G – Horizontal Shaft</td>
<td>4 – Ball Bearing Pressure Lubrication</td>
<td>5 – Electric Starter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>H to Z – Vertical Shaft</td>
<td>5 – Plain Bearing Gear Reduction (6 to 1) CCW Rotation</td>
<td>6 – Alternator Only</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6 – Ball Bearing Gear Reduction (2 to 1) CCW Rotation</td>
<td>7 – Electric Starter with Alternator</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>7 – Plain Bearing Pressure Lubrication</td>
<td>B – Lithium Ion Battery</td>
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<td></td>
<td></td>
<td></td>
<td>9 – Plain Bearing Auxiliary Drive</td>
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</table>

EXAMPLE – To identify Model 303447:

30 Cubic Inch 3 Design Series 3 4 Horizontal Shaft 4 Ball Bearing Pressure Lubrication 7 Electric Starter with Alternator

Column D historical numbers that have been discontinued include:
1- Plain Bearing/DU, 2- Sleeve Bearing Flange Mounting Splash Lube, 8- Plain Bearing Auxiliary Drive (PTO) Perpendicular to Crankshaft

Column E historical numbers that have been discontinued include:
1- Rope Starter, 3- Electrical Starter Only 110 or 230 Volt Gear Drive, 4- Electrical Starter/110 or 230 Volt Gear Drive with Alternator, 7- Electrical Starter Only 12 or 24 Volt Gear Drive, 8- Vertical Pull Starter or Side Pull Starter, 9- Mechanical Starter and A- Electrical Starter 12 or 24 Volt Gear Drive with Alternator & Inverter

Revised 10/15
5.50 GROSS TORQUE*

140 CC
Bore 2.50 in. (65.60 mm)
Stroke 1.75 in. (44.50 mm)
Oil Capacity 16 fl. oz. (0.47 L)

FEATURES:
Optional ReadyStart® starting system with no prime, no choke, no worries, just pull for power
Dual-sealing air cleaner for improved debris resistance and longer life
Lightest engine in its class by 30% for easier maneuverability
Acoustically-engineered muffler for quiet operation and excellent tonal quality
Less vibration for more user comfort and enhanced engine life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Carburetor</th>
<th>ReadyStart®</th>
<th>Oil Pump w/Filter</th>
<th>Fuel Tank (Quarts)</th>
<th>Top Governor Speed</th>
<th>CPSC Blade Break</th>
<th>Notes</th>
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<td>0045-F1</td>
<td>7/8 in.</td>
<td>3/8-24</td>
<td>2 #505 WK, 3/16-Str.</td>
<td>3-5/32</td>
<td>5.30</td>
<td>FC</td>
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<td>X</td>
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<td>0181-F1</td>
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<td>3/8-24</td>
<td>2 #505 WK, 3/16-Str.</td>
<td>1-13/16</td>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

**See www.briggsandstratton.com for warranty details.
6.25 GROSS TORQUE*

150CC
Bore 2.58 in. (65.60 mm)
Stroke 1.75 in. (44.50 mm)
Oil Capacity 16 fl. oz. (0.47 L)

FEATURES:
ReadyStart® starting system with no prime, no choke, no worries, just pull for power
Dual-sealing air cleaner for improved debris resistance and longer life
Lightest engine in its class by 30% for easier maneuverability
Acoustically-engineered muffler for quiet operation and excellent tonal quality
Less vibration for more user comfort and enhanced engine life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft#</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Ext Starter Rope</th>
<th>Governor Speed</th>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

**See www.briggsandstratton.com for warranty details.
7.25 GROSS TORQUE*

** See www.briggsandstratton.com for warranty details.

163 CC
Bore 2.69 in. (68.28 mm)
Stroke 1.75 in. (44.50 mm)
Oil Capacity 15 fl. oz. (0.44 L)

FEATURES:
- ReadyStart® starting system with no prime, no choke, no worries, just pull for power
- Dual-sealing air cleaner for improved debris resistance and longer life
- Lightest engine in its class by 30% for easier maneuverability
- Acoustically-engineered muffler for quiet operation and excellent tonal quality
- Less vibration for more user comfort and enhanced engine life
- Mechanical Governor

Buyer protection package provides two-year limited consumer engine warranty**

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<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Exit Starter Rope</th>
<th>Heavy Flywheel</th>
<th>Gearbox</th>
<th>5 Position Choke</th>
<th>Primer Carburetor</th>
<th>Oil Pump w/Filter</th>
<th>Fuel Tank (Quarts)</th>
<th>Top Governor Speed</th>
<th>Govt. Blade Break</th>
<th>Notes</th>
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| 0020-F1 594104 | 25mm | 3/8-24 | 1/4-Sq | 3-5/32 | 5:30 | X | FC | X | 1.09 | 3200 | X |
| 0021-F1 595024 | 7/8 in. | 3/8-24 | 3/16-Sq | 3-5/32 | 5:30 | X | FC | X | 1.09 | 3200 | X |
| 0028-F1 594507 | 25mm | 7/16-20 | 3/16-Sq | 3-5/32 | 5:30 | X | FC | X | 1.09 | 3000 | X |
| 0083-F1 595177 | 7/8 in. | M14x1.5-6 ext thd | 3-7/32 | 5:30 | X | FC | X | 1.09 | 3000 | 13 |
| 104M05
| 0082-F1 594507 | 25mm | 7/16-20 | 3/16-Sq | 3-5/32 | 5:30 | X | FC | X | 1.09 | 3000 | X | 2 |
| 0107-F1 594104 | 25mm | 3/8-24 | 1/4-Sq | 3-5/32 | 5:30 | X | FC | X | 1.09 | 3100 | X | 2 |
| 104M013
| 0103-F1 594104 | 25mm | 3/8-24 | 1/4-Sq | 3-5/32 | FC | X | 1.09 | 3200 | X |

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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(2) Engine equipped with 12 volt Gear Drive Starter
(13) BBC Crankshaft

Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
6.75 GROSS TORQUE*

190 CC
Bore 2.69 in. (68.30 mm)
Stroke 2.04 in. (51.80 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

FEATURES:
Super Lo-Tone™ muffler for quieter operation
Meets U.S. EPA Phase 3 emissions standards that are 35% stricter than the previous standards without the use of a catalyst
Optional ReadyStart® starting system with no prime, no choke, no worries, just pull for power
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Deck Mounting Boss</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Ext Starter Rope</th>
<th>Heavy Flywheel</th>
<th>Carburetor</th>
<th>5 Position Choke</th>
<th>Primer Carburetor</th>
<th>ReadyStart®</th>
<th>Oil Pump w/Filter</th>
<th>Fuel Tank (Quarts)</th>
<th>Top Governor Speed</th>
<th>Trimmer Guide</th>
<th>Fuel Inlet</th>
<th>CPSC Blade Break</th>
<th>Notes</th>
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<td>3/8-24</td>
<td>#607 WK</td>
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<td>X</td>
<td>X</td>
<td>R</td>
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<td>3200</td>
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<tr>
<td>1002-F1</td>
<td>694850</td>
<td>7/8 in.</td>
<td>3/8-24</td>
<td>#505 WK, 3/16-Str.</td>
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<td>6:00</td>
<td>X</td>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

(13) BBC Crankshaft
Engines in bold type have promotional pricing

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**See www.briggsandstratton.com for warranty details.
**6.75 GROSS TORQUE**

**190 CC**
Bore 2.69 in. (68.30 mm)  
Stroke 2.04 in. (51.80 mm)  
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

**FEATURES:**
Super Lo-Tone™ muffler for quieter operation  
Meets U.S. EPA Phase 3 emissions standards that are 35% stricter than the previous standards without the use of a catalyst  
Optional ReadyStart® starting system with no prime, no choke, no worries, just pull for power  
Mechanical Governor  
Buyer protection package provides two-year limited consumer engine warranty**

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<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Eck Starter Rope</th>
<th>Heavy Flywheel</th>
<th>Gear Box</th>
<th>5 Position Choke</th>
<th>Primer Carburetor</th>
<th>ReadyStart®</th>
<th>Oil Pump w/Filter</th>
<th>Fuel Tank (Quarts)</th>
<th>Top Governor Speed</th>
<th>CPSC Blade Break</th>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.*

(3) Engine equipped with 12 Volt Gear Drive Starter and .5 Amp DC Alternator

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**See www.briggsandstratton.com for warranty details.**
7.25 GROSS TORQUE*

190 CC
Bore 2.69 in. (68.30 mm)
Stroke 2.04 in. (51.80 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

FEATURES:
Super Lo-Tone™ muffler for quieter operation
Meets U.S. EPA Phase 3 emissions standards that are 35% stricter than the previous standards without the use of a catalyst
Optional ReadyStart® starting system with no prime, no choke, no worries, just pull for power
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Ext Starter Rope</th>
<th>Heavy Flywheel</th>
<th>Controls</th>
<th>5 Position Choke</th>
<th>Primer Carburetor</th>
<th>ReadyStart®</th>
<th>Oil Pump w/Filter</th>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(2) Engine equipped with 12 volt Gear Drive Starter
(3) Engine equipped with 12 volt Gear Drive Starter and .5 Amp DC Alternator
(12) Mow N’ Stow™
(13) BBC Crankshaft

**See www.briggsandstratton.com for warranty details.
PROFESSIONAL SERIES™
8.50 GROSS TORQUE*

190 CC
Bore 2.69 in. (68.30 mm)
Stroke 2.40 in. (51.80 mm)
Oil Capacity 18-20 fl. oz. (0.54-0.59 L)

FEATURES:
Optional ReadyStart® starting system with no prime, no choke, no worries, just pull for power
Certified to CARB Tier III and meets 2012 EPA Phase 3 Standards
Large rewind starter reduces pulling effort for easy starting
Commercial grade air cleaner with dual seals for longer engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(3) Engine equipped with 12 volt Gear Drive Starter and .5 Amp DC Alternator
(11) PTO Ball Bearing
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
PROFESSIONAL SERIES™
8.75 GROSS TORQUE™

190 CC
Bore 2.69 in. (68.30 mm)
Stroke 2.04 in. (51.80 mm)
Oil Capacity 18-20 fl. oz. (0.54-0.59 L)

FEATURES:
ReadyStart® starting system with no prime, no
choke, no worries, just pull for power
Certified to CARB Tier III and meets 2012 EPA
Phase 3 Standards
Large rewind starter reduces pulling effort for
easy starting
Commercial grade air cleaner with dual seals for
longer engine life
Overhead valve design (OHV) for cooler operation
and longer valve life
Mechanical Governor
Buyer protection package provides two-year
limited consumer engine warranty**

| MTT    | Crankshaft # | P.T.O. Diameter | Drilled & tapped | Keyway | Length | Starter Position | Ext Starter Rope | Heavy Flywheel | Controls | 5 Position Choke | Primer Carburetor | ReadyStart® | Oil Pump w/ Filter | Fuel Tank (Quarts) | Top Governor Speed | CPSC Blade Break | Notes | Notes |
|--------|--------------|------------------|------------------|--------|--------|------------------|------------------|----------------|----------|-----------------|-------------------|................|--------------------|---------------------|-------------------|-------------------|--------|--------|
| 121S02 | 0028-F1 796924 | 7/8 in.          | 3/8-24           | 1#505 WK 3/16-Str. | 2-7/16 | 5:30 | X                | R/MF              | X               | 1.2 3100 | X               |
|        | 0130-F2 797740 | 25 mm            | 7/16-20          | 3/16-Str.        | 3-5/32 | 5:30 | X X              | FC                | X               | 1.2 3400 | X               |
|        | 2005-F1 796469 | 7/8 in.          | 3/8-24           | 2#505 WK 3/16-Str. | 3-5/32 | 5:30 | X X              | R/MF              | X               | 1.2 3100 | X               |
|        | 2015-F1 796469 | 7/8 in.          | 3/8-24           | 2#505 WK 3/16-Str. | 3-5/32 | 5:30 | X R/MF           | X                 | 1.2 3100 | X               |
|        | 2022-F1 796467 | 7/8 in.          | 3/8-24           | 1#505 WK 3/16-Str. | 1-13/16 | 5:30 | X X              | FC                | X               | 1.2 3800 | X               |
|        | 2025-F1 796468 | 25 mm            | 3/8-24           | 2#605 WK 1/4-Str. | 3-5/32 | 5:30 | X R/MF           | X                 | 1.2 3100 | X               |
| 121S07 | 2060-F1 796469 | 7/8 in.          | 3/8-24           | 2#505 WK 3/16-Str. | 3-5/32 | 5:30 | X R/MF           | X                 | 1.2 3100 | X 3              |
|        | 2062-F1 796468 | 25 mm            | 3/8-24           | 2#605 WK 1/4-Str. | 3-5/32 | 5:30 | X R/MF           | X                 | 1.2 3100 | X 3              |
|        | 2064-F1 796467 | 7/8 in.          | 3/8-24           | 1#505 WK 3/16-Str. | 1-13/16 | 5:30 | X X              | FC                | X               | 1.2 3400 | X               |
|        | 2022-F1 796467 | 7/8 in.          | 3/8-24           | 2#505 WK 3/16-Str. | 3-5/32 | 5:30 | X X              | FC                | X               | 1.2 3800 | X               |
| 121S12 | 2008-F1 796469 | 7/8 in.          | 3/8-24           | 2#505 WK 3/16-Str. | 3-5/32 | 5:30 | X X              | FC                | X               | 1.2 3400 | X               |
|        | 2015-F1 796469 | 7/8 in.          | 3/8-24           | 2#605 WK 3/16-Str. | 3-5/32 | 5:30 | X R/MF           | X                 | 1.2 3100 | X               |
|        | 2022-F1 796467 | 7/8 in.          | 3/8-24           | 2#505 WK 3/16-Str. | 3-5/32 | 5:30 | X R/MF           | X                 | 1.2 3100 | X               |
|        | 2025-F1 796468 | 25 mm            | 3/8-24           | 2#605 WK 1/4-Str. | 3-5/32 | 5:30 | X R/MF           | X                 | 1.2 3100 | X               |

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(3) Engine equipped with 12 volt Gear Drive Starter and .5 Amp DC Alternator

**See www.briggsandstratton.com for warranty details.
**PROFESSIONAL SERIES™**
9.50 GROSS TORQUE*

**223 CC**
Bore 2.91 in. (73.91 mm)
Stroke 2.04 in. (51.80 mm)
Oil Capacity 18-20 fl. oz. (0.54-0.59 L)

**FEATURES:**
- ReadyStart® starting system with no prime, no choke, no worries, just pull for power
- Dual-sealing air cleaner for improved debris resistance and longer life
- Acoustically-engineered muffler for quiet operation and excellent tonal quality
- Less vibration for more user comfort and enhanced engine life
- Mechanical Governor

*Buyer protection package provides two-year limited consumer engine warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft#</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Ext. Starter Rope</th>
<th>Heavy Flywheel</th>
<th>Carburetor</th>
<th>5 Position Choke</th>
<th>Primer Carburetor</th>
<th>ReadyStart®</th>
<th>Oil Pump w/Filler</th>
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</table>

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

(3) Engine equipped with 12 volt Gear Drive Starter and .5 Amp DC Alternator

**See www.briggsandstratton.com for warranty details.**
PROFESSIONAL SERIES™
10.00 GROSS TORQUE™

223 CC
Bore 2.91 in. (73.91 mm)
Stroke 2.04 in. (51.80 mm)
Oil Capacity 18-20 fl. oz. (0.54-0.59 L)

FEATURES:
ReadyStart® starting system with no prime, no choke, no worries, just pull for power
Dual-sealing air cleaner for improved debris resistance and longer life
Acoustically-engineered muffler for quiet operation and excellent tonal quality
Less vibration for more user comfort and enhanced engine life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
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<th>5 Position Choke</th>
<th>Primer Carburetor</th>
<th>ReadyStart®</th>
<th>Oil Pump w/Filter</th>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(3) Engine equipped with 12 volt Gear Drive Starter and .5 Amp DC Alternator
(11) PTO Ball Bearing

**See www.briggsandstratton.com for warranty details.
INTEK™
10.5 GROSS HP†

344 CC
Bore 3.44 in. (87.38 mm)
Stroke 2.26 in. (57.40 mm)
Oil Capacity 48 fl. oz. (1.400 L)
Oil Capacity 44 fl. oz. without filter (1.30 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Float carburetor for consistent easy starting
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Patented linear balancing system provides smoother performance
Mechanical Governor

Buyer protection package provides two-year limited consumer engine warranty**

See www.briggsandstratton.com for warranty details.
INTEK™
11.5 GROSS HP†
344 CC
Bore 3.44 in. (87.38 mm)
Stroke 2.26 in. (57.40 mm)
Oil Capacity 48 fl. oz. (1.40 L)
Oil Capacity 44 fl. oz. without filter (1.30 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Float carburetor for consistent easy starting
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Patented linear balancing system provides smoother performance
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

(1) Engine equipped with 9 AMP DC Battery-less Alternator
(4) Engine equipped with 12 volt Gear Drive Starter and Dual Circuit Alternator (3 AMP DC - 14 Volts AC)
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid

**See www.briggsandstratton.com for warranty details.
**INTEK™**

**17.5 GROSS HP†**

**500 CC**

Bore 3.56 in. (90.50 mm)
Stroke 3.06 in. (77.80 mm)
Oil Capacity 48 fl. oz. (1.40 L)
Oil Capacity 44 fl. oz. without filter (1.30 L)

**FEATURES:**

Dura-Bore™ cast iron cylinder sleeve for extended life

Advanced Debris Management System with our largest dual seal, cartridge-style air filter that provides maximum protection and extends engine life

Float carburetor for consistent easy starting

Overhead valve design (OHV) for cooler operation and longer valve life

Mechanical Governor

**Buyer protection package provides two-year limited consumer engine warranty**

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**Table:**

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<th>MTT</th>
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<th>Length</th>
<th>Starter Position</th>
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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

(1) Engine equipped with 9 AMP DC Battery-less Alternator

(4) Engine equipped with 12 volt Gear Drive Starter and Dual Circuit Alternator (3 AMP DC - 14 Volts AC)

(5) Engine equipped with 12 volt Gear Drive Starter and 9 Amp DC Alternator

(14) Supress Afterfire Solenoid

Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.**
PROFESSIONAL SERIES™
17.5 GROSS HP†

500 CC
Bore 3.56 in. (90.50 mm)
Stroke 3.06 in. (77.80 mm)
Oil Capacity 48 fl. oz. (1.40 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Advanced Debris Management System with our largest dual seal, cartridge-style air filter that provides maximum protection and extends engine life
Float carburetor for consistent easy starting
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(5) Engine equipped with 12 volt Gear Drive Starter and 9 Amp DC Alternator
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid

**See www.briggsandstratton.com for warranty details.
**INTEK™**
**19.0 GROSS HP†**

**540 CC**
Bore 3.70 in. (94.00 mm)
Stroke 3.06 in. (77.80 mm)
Oil Capacity 48 fl. oz. (1.40 L)

**FEATURES:**
Full pressure lubrication with premium oil and fuel filters provide longer maintenance intervals and greater longevity
Advanced Debris Management System with our largest dual seal, cartridge-style air filter that provides maximum protection and extends engine life
Chrome plated exhaust valves reduce valve wear, providing longer life
Super-finished crank pin bearing reduces friction and heat to minimize wear under heavy load, for long life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
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<th>Drill &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter/Position</th>
<th>Controls</th>
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<th>Oil Pump with Filter</th>
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<th>ReadyStart</th>
<th>Ground Wire Terminal</th>
<th>Remote Stop</th>
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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(5) Engine equipped with 12 volt Gear Drive Starter and 9 Amp DC Alternator
(14) Supress Afterfire Solenoid
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.**
**PROFESSIONAL SERIES™**

**19.0 GROSS HP†**

**540 CC**
Bore 3.70 in. (94.00 mm)
Stroke 3.06 in. (77.80 mm)
Oil Capacity 48 fl. oz. (1.40 L)

**FEATURES:**

Full pressure lubrication with premium oil and fuel filters provide longer maintenance intervals and greater longevity
Advanced Debris Management System with our largest dual seal, cartridge-style air filter that provides maximum protection and extends engine life
AVS® Anti-Vibration System
Super-finished crank pin bearing reduces friction and heat to minimize wear under heavy load, for long life
Mechanical Governor

Buyer protection package provides two-year limited consumer engine warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(4) Engine equipped with 12 volt Gear Drive Starter and Dual Circuit Alternator (3 AMP DC - 14 Volts AC)
(5) Engine equipped with 12 volt Gear Drive Starter and 9 Amp DC Alternator
(14) Supress Afterfire Solenoid

**See www.briggsandstratton.com for warranty details.**
INTEK™
24.0 GROSS HP†
724 CC
Bore 3.12 in. (79.20 mm)
Stroke 2.89 in. (73.40 mm)
Oil Capacity 64 fl. oz. (1.90 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Advanced Debris Management System with our largest dual seal, cartridge-style air filter that provides maximum protection and extends engine life
Dynamically Balanced Crankshaft
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(4) Engine equipped with 12 volt Gear Drive Starter and Dual Circuit Alternator (3 AMP DC - 14 Volts AC)
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Suppress Afterfire Solenoid

**See www.briggsandstratton.com for warranty details.
**PROFESSIONAL SERIES™**
**24.0 GROSS HP†**

**724 CC**
Bore 3.12 in. (79.20 mm)
Stroke 2.89 in. (73.40 mm)
Oil Capacity 64 fl. oz. (1.90 L)

**FEATURES:**
Mechanical compression release for easy, reliable starting
Chrome plated exhaust valves reduce valve wear providing longer life
Premium high capacity air, oil and fuel filters provide longer maintenance intervals and more engine protection
Super-finished crank pin bearing for reduced friction and wear
Advanced Debris Management System with a dual seal, cartridge-style air filter provides maximum protection and extends engine life
Buyer protection package provides two-year limited consumer engine warranty**

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<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Cyclonic Air Filter</th>
<th>Controls</th>
<th>Oil Cooler</th>
<th>Fuel Pump with Filter</th>
<th>Choke-A-Matic</th>
<th>ReadyStart</th>
<th>Remote Choke</th>
<th>Ground Wire Terminal</th>
<th>EFM</th>
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<td>7/16-20</td>
<td>1/4-Str.</td>
<td>4-19/64</td>
<td>R</td>
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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid
(15) Static Cover Installed
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.**
PROFESSIONAL SERIES™
25.0 GROSS HP†

724 CC
Bore 3.12 in. (79.20 mm)
Stroke 2.89 in. (73.40 mm)
Oil Capacity 64 fl. oz. (1.90 L)

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(4) Engine equipped with 12 volt Gear Drive Starter and Dual Circuit Alternator (3 AMP DC - 14 Volts AC)
(5) Engine equipped with 12 volt Gear Drive Starter and 9 Amp DC Alternator
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid
(15) Static Cover Installed

**See www.briggsandstratton.com for warranty details.
COMMERCIAL SERIES
24.0 GROSS HP†

724 CC
Bore 3.12 in. (79.20 mm)
Stroke 2.89 in. (73.40 mm)
Oil Capacity 64 fl. oz. (1.90 L)

**FEATURES:**
Mechanical compression release for easy, reliable starting
Chrome plated exhaust valves reduce valve wear providing longer life
Patented 5-Step Debris Management System for extended durability under heavy debris conditions
Super-finished crank pin bearing for reduced friction and wear
Buyer protection package provides two-year limited consumer engine warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid
(15) Static Cover Installed
Engines in bold type have promotional pricing

See www.briggsandstratton.com for warranty details.
COMMERCIAL SERIES
25.0 GROSS HP†

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Bore 3.12 in. (79.20 mm)
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| 0011-G1 | 796256 | 1-1/8 in. | 7/16-20 | 1/4-Str. | 4-19/64 | X | R | X | X | X | X | X | 3300 | 6,14,15 |

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
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(15) Static Cover Installed

**See www.briggsandstratton.com for warranty details.
PROFESSIONAL SERIES™
27.0 GROSS HP†

810 CC
Bore 3.30 in. (83.81 mm)
Stroke 2.90 in. (73.41 mm)
Oil Capacity 64 fl. oz. (1.90 L)

FEATURES:
Mechanical compression release for easy, reliable starting
Chrome plated exhaust valves reduce valve wear providing longer life
Premium high capacity air, oil and fuel filters provide longer maintenance intervals and more engine protection
Increased cylinder block structure for added strength and durability
Cooling fin inspection panels speed debris inspection and cleaning
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Buyer protection package provides two-year limited consumer and commercial engine warranty**

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(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid

**See www.briggsandstratton.com for warranty details.
COMMERCIAL SERIES
27.0 GROSS HP†

810 CC
Bore 3.30 in. (83.81 mm)
Stroke 2.90 in. (73.41 mm)
Oil Capacity 64 fl. oz. (1.90 L)

FEATURES:
Patented 5-Step Debris Management System for extended durability under heavy debris conditions
Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
Increased cylinder block structure for added strength and durability
Cooling fin inspection panels speed debris inspection and cleaning
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life

Buyer protection package provides two-year limited consumer and commercial engine warranty**

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(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid
(15) Static Cover Installed
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
PROFESSIONAL SERIES™
30.0 GROSS HP†

810 CC
Bore 3.30 in. (83.81 mm)
Stroke 2.90 in. (73.41 mm)
Oil Capacity 64 fl. oz. (1.90 L)

FEATURES:
Mechanical compression release for easy, reliable starting
Chrome plated exhaust valves reduce valve wear providing longer life
Premium high capacity air, oil and fuel filters provide longer maintenance intervals and more engine protection
Super-finished crank pin bearing for reduced friction and wear
Advanced Debris Management System with a dual seal, cartridge-style air filter provides maximum protection and extends engine life
Buyer protection package provides two-year limited consumer engine warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(2) Engine equipped with 12 volt Gear Drive Starter
(10) Gaseous Fuel (LP/NG)

**See www.briggsandstratton.com for warranty details.
**VANGUARD™ 16.0 GROSS HP†**

479 CC
Bore 2.68 in. (68 mm)
Stroke 2.60 in. (66 mm)
Oil Capacity 48 fl. oz. (1.4 L)

**FEATURES:**
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life

**Buyer protection package provides three-year commercial limited warranty**

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**MTT** | Crankshaft# | PT.O. Diameter | Drilled & Tapped | Keyway | Length | Starter Position | Cyclonic Air Filter | Controls | Oil Cooler | Fuel Pump, Integral | Oil Pump with Filter | Choke-A-Matic | ReadyStart® | Remote Choke | Ground Wire Terminal | RPM | Top Governor Speed | Notes
305772 | 3020 | 692159 | 1 in. | 7/16-20 | 1/4-Str. | 3-3/16 | 9:00 | R | X | X | X | X | 3600 | 305777 | 3032 | 692159 | 1 in. | 7/16-20 | 1/4-Str. | 3-3/16 | R | X | X | X | X | 3300 | 6,14

1All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(14) Supress Afterfire Solenoid

"See www.briggsandstratton.com for warranty details."
FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life
Buyer protection package provides three-year commercial limited warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(1) Engine equipped with 9 AMP DC Battery-less Alternator
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(7) Engine equipped with 12 Volt Solenoid Shift Starter and 16 AMP DC Alternator
(14) Suppress Afterfire Solenoid
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
**FEATURES:**
Dura-Bore™ cast iron cylinder sleeve for extended life
Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life

*Buyer protection package provides three-year commercial limited warranty*”

---

**Vanguard™**

**23.0 Gross HP†**

**627 CC**

Bore 2.97 in. (75.50 mm)
Stroke 2.76 in. (70.00 mm)
Oil Capacity 48 fl. oz. (1.40 L)

---

**FEATURES:**
Dura-Bore™ cast iron cylinder sleeve for extended life
Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life

*Buyer protection package provides three-year commercial limited warranty*”

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### Table: Specifications

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</table>

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator

(14) Supress Afterfire Solenoid

(15) Static Cover Installed

See www.briggsandstratton.com for warranty details.
VANGUARD™ 810
26.0 GROSS HP†

810 CC
Bore 3.30 in. (83.81 mm)
Stroke 2.90 in. (73.41 mm)
Oil Capacity 67 fl. oz. (1.90 L)

FEATURES:
- Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
- Increased cylinder block structure for added strength and durability
- Cooling fin inspection panels speed debris inspection and cleaning
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Buyer protection package provides three-year commercial limited warranty**

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<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Cyclonic Air Filter</th>
<th>Camshaft</th>
<th>Oil Cooler</th>
<th>Fuel Pump, Integral</th>
<th>Oil Pump with Filter</th>
<th>Choke-A-Matic</th>
<th>ReadyStart</th>
<th>Remote Choke</th>
<th>Ground Wire Terminal</th>
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</table>

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

(7) Engine equipped with 12 Volt Solenoid Shift Starter and 16 AMP DC Alternator
(15) Static Cover Installed
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
**VANGUARD™ 810 EFI**

**28.0 GROSS HP†**

**810 CC**

Bore 3.30 in. (83.81 mm)
Stroke 2.90 in. (73.41 mm)
Oil Capacity 67 fl. oz. (1.90 L)

**FEATURES:**

Electronic Fuel Injection
Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
Increased cylinder block structure for added strength and durability
Cooling fin inspection panels speed debris inspection and cleaning
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life

**Buyer protection package provides three-year commercial limited warranty**

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<th>Controls</th>
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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
Engine Is Without Muffler
(8) Engine equipped with 12 Volt Solenoid Shift Starter and 20 AMP DC Alternator
(15) Static Cover Installed
(16) EFI

Engines in bold type have promotional pricing

“See www.briggsandstratton.com for warranty details."
**VANGUARD™**

**32.0 GROSS HP†**

896 CC

Bore 3.37 in. (85.50 mm)
Stroke 3.07 in. (78.00 mm)
Oil Capacity 82 fl. oz. (2.40 L)

---

**FEATURES:**

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life

**Buyer protection package provides three-year commercial limited warranty**

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**MTT**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

Engine Is Without Muffler

(8) Engine equipped with 12 Volt Solenoid Shift Starter and 20 AMP DC Alternator

(14) Supress Afterfire Solenoid

---

**See www.briggsandstratton.com for warranty details.**
VANGUARD™
36.0 GROSS HP†

993 CC
Bore 3.37 in. (85.50 mm)
Stroke 3.41 in. (86.50 mm)
Oil Capacity 82 fl. oz. (2.40 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life
Buyer protection package provides three-year commercial limited warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(8) Engine equipped with 12 Volt Solenoid Shift Starter and 20 AMP DC Alternator
(14) Supress Afterfire Solenoid
(17) Engine equipped with 12 Volt Solenoid Shift Starter and 20/50 AMP DC Alternator

See www.briggsandstratton.com for warranty details.
VANGUARD™ EFI
37.0 GROSS HP†

993 CC
Bore 3.42 in. (85.50 mm)
Stroke 3.46 in. (86.50 mm)
Oil Capacity 82 fl. oz. (2.40 L)

FEATURES:
Electronic Fuel Injection
Dura-Bore™ cast iron cylinder sleeve for extended life
Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life

Buyer protection package provides three-year commercial limited warranty**

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<th>Oil Cooler</th>
<th>Fuel Pump Integral</th>
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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

*Engine Is Without Muffler

(8) Engine equipped with 12 Volt Solenoid Shift Starter and 20 AMP DC Alternator

(15) Static Cover Installed

(16) EFI

**See www.briggsandstratton.com for warranty details.
VANGUARD™
37.0 GROSS HP†

993 CC
Bore 3.42 in. (85.50 mm)
Stroke 3.46 in. (86.50 mm)
Oil Capacity 82 fl. oz. (2.40 L)

FEATURES:
Marine, weather resistant electrical connectors
Electronic Fuel Injection
Dura-Bore™ cast iron cylinder sleeve for extended life
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life

Buyer protection package provides three-year commercial limited warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(15) Static Cover Installed
(16) EFI
(17) Engine equipped with 12 Volt Solenoid Shift Starter and 20/50 AMP DC Alternator

**See www.briggsandstratton.com for warranty details.
**See www.briggsandstratton.com for warranty details.**

**XR PROFESSIONAL**

**5.50 GROSS TORQUE**

**127 CC**

Bore 2.44 in. (62.00 mm)
Stroke 1.65 in. (42.10 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

**FEATURES:**

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float carburetor for consistent easy starting
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Fuel Shut Off
- Mechanical Governor

Buyer protection package provides two-year limited consumer engine warranty**

---

**MTT**

<table>
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<tr>
<th>Crankshaft</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
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<th>Controls</th>
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<th>Accessory Mnt.</th>
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</table>

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

(11) PTO Ball Bearing

Engines in bold type have promotional pricing
**CR 7.50 GROSS TORQUE**

**163 CC**
Bore 2.68 in. (68.00 mm)
Stroke 1.77 in. (45.00 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

**FEATURES:**
Dura-Bore™ cast iron cylinder sleeve for extended life
Float carburetor for consistent easy starting
Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Fuel Shut Off
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>PTO Diameter</th>
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<th>Length</th>
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<th>Controls</th>
<th>Manual Choke</th>
<th>Flange Mtg</th>
<th>Accessory Mtg Bores</th>
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<th>Rocker Stop Switch</th>
<th>Key Stop Switch</th>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

(11) PTO Ball Bearing

**See www.briggsandstratton.com for warranty details.**
XR PROFESSIONAL
7.50 GROSS TORQUE*

163 CC
Bore 2.68 in. (68.00 mm)
Stroke 1.77 in. (45.00 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Float carburetor for consistent easy starting
Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Fuel Shut Off
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

(11) PTO Ball Bearing

**See www.briggsandstratton.com for warranty details.
8.00 GROSS TORQUE*

205 CC
Bore 2.69 in. (68.30 mm)
Stroke 2.20 in. (55.90 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

FEATURES:
Kool Bore™ aluminum alloy bore for cooler operation
Float carburetor for consistent easy starting
Maxi-Clean™ automotive type pleated paper air filter provides superior protection for long engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor

Buyer protection package provides two-year limited consumer engine warranty**

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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing

**See www.briggsandstratton.com for warranty details.
9.00 GROSS TORQUE*

205 CC
Bore 2.69 in (68.30 mm)
Stroke 2.20 in. (55.90 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Float carburetor for consistent easy starting
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing
(18) Engine equipped with 12 Volt Gear Drive Starter and 1.5 AMP DC Alternator
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
CR 9.50 GROSS TORQUE*

208 CC
Bore 2.68 in. (68.07 mm)
Stroke 2.20 in. (55.88 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Dual Ball Bearing
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.

**See www.briggsandstratton.com for warranty details.
XR PROFESSIONAL
9.50 GROSS TORQUE

208 CC
Bore 2.68 in. (68.07 mm)
Stroke 2.20 in. (55.88 mm)
Oil Capacity 18-20 fl. oz. (0.53-0.59 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Float carburetor for consistent easy starting
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
<th>Manual Choke</th>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(1) PTO Ball Bearing
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
**XR PROFESSIONAL**
**11.50 GROSS TORQUE**

**250 CC**
Bore 2.97 in. (75.40 mm)
Stroke 2.20 in. (55.90 mm)
Oil Capacity 26-28 fl. oz. (0.77-0.83 L)

**FEATURES:**
Kool Bore™ aluminum alloy bore for cooler operation
Float carburetor for consistent easy starting
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Gearbox</th>
<th>Manual Choke</th>
<th>Flange Mtg.</th>
<th>Accessory Mtg.</th>
<th>Ground Wire Terminal</th>
<th>Rocker Stop Switch</th>
<th>Key Stop Switch</th>
<th>Oil Guard</th>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing
(18) Engine equipped with 12 Volt Gear Drive Starter and 1.5 AMP DC Alternator
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.**

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**MTT**
**Crankshaft #**
**P.T.O. Diameter**
**Drilled & Tapped**
**Keyway**
**Length**
**Starter Position**
**Gearbox**
**Manual Choke**
**Flange Mtg.**
**Accessory Mtg.**
**Ground Wire Terminal**
**Rocker Stop Switch**
**Key Stop Switch**
**Oil Guard**
**Fuel Tank (Quarts)**
**Top Governor Speed**
**Notes**

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45
**XR PROFESSIONAL**

**14.50 GROSS TORQUE**

**306 CC**
Bore 3.22 in. (81.80 mm)
Stroke 2.28 in. (57.90 mm)
Oil Capacity 37 fl. oz. (1.09 L)

**FEATURES:**
Dura-Bore™ cast iron cylinder sleeve for extended life
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Dual Ball Bearing
Mechanical Governor

*Buyer protection package provides two-year limited consumer engine warranty*

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.*
(5) Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator
(11) PTO Ball Bearing
Engines in bold type have promotional pricing

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<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
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<th>Accessory Mnt Boss</th>
<th>Ground Wire Terminal</th>
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| 19N137 |              |                  |                  |        |        |                  |          |               |            |                   |                     |                 |               |           |                  |                   |       |
| 0052-F1 | 593084 | 1 in.           | 7/16-20          | 1/4-Str. | 3-31/64 | 10:00           | MF/R    | X             | X          | X                 | X                   | 3.2             | 3600          | 5,11      |                  |                   |       |
| 0053-F1 | 593662 | 3/4 in          | 3/8-24           | 3/16-Str. | 2-1/2   | 10:00           | MF/R    | X             | X          | X                 | X                   | 3.2             | 3600          | 5,11      |                  |                   |       |

*(See www.briggsandstratton.com for warranty details.)*
**14.50 GROSS TORQUE**

**305 CC**
Bore 3.12 in. (79.20 mm)
Stroke 2.44 in. (61.90 mm)
Oil Capacity 26-28 fl. oz. (0.77-0.83 L)

**FEATURES:**
Dura-Bore™ cast iron cylinder sleeve for extended life
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor

**Buyer protection package provides two-year limited consumer engine warranty**

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<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
<th>Manual Choke</th>
<th>Flange Mnt.</th>
<th>Accessory Mnt.</th>
<th>Ground Wire Terminal</th>
<th>Rocker Stop Switch</th>
<th>Key Stop Switch</th>
<th>Oil Guard</th>
<th>Fuel Tank (Quarts)</th>
<th>Top Governor Speed</th>
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| 20S237|              |                  |                  |        |        |                  |          |               |             |                |                     |                   |         |           |                  |                   |       |
| 0042-F1 | 794717      | 1 in.            | 7/16-20          | 1/4-Str.| 3-21/32| 10:30           | MF/R     | X             | X           | X             |                     |                   | 3.2     | 3600      | 5,11              |                   |       |

| 20S252|              |                  |                  |        |        |                  |          |               |             |                |                     |                   |         |           |                  |                   |       |
| 0049-F1 | 794721      | 1 in.            | 6/1 CCW          | 1/4-Str.| 3-1/8  | 10:30           | MF/R     | X             |             |                |                     |                   | 3.2     | 3600      |                   |                   |       |

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.*

(5) Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator

(11) PTO Ball Bearing

“*See www.briggsandstratton.com for warranty details."
XR PROFESSIONAL
21.00 GROSS TORQUE*

420 CC
Bore 3.54 in. (66.00 mm)
Stroke 2.60 in. (61.90 mm)
Oil Capacity 37 fl. oz. (1.10 L)

FEATURES:
Dura-Bore™ cast iron cylinder sleeve for extended life
Dual ball bearing
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Overhead valve design (OHV) for cooler operation and longer valve life
Mechanical Governor
Buyer protection package provides two-year limited consumer engine warranty**

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<tr>
<th>MTT</th>
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<th>Keyway</th>
<th>Length</th>
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<td>1/4-Str.</td>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(2) Engine equipped with 12 Volt Gear Drive Starter
(5) Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator
(11) PTO Ball Bearing
(14) Supress Afterfire Solenoid
Engines in bold type have promotional pricing

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**See www.briggsandstratton.com for warranty details.
SNOW SERIES
7.50 GROSS TORQUE*

163 CC
Bore 2.68 in. (68.00 mm)
Stroke 1.77 in. (45.00 mm)
Oil Capacity 18-20 fl. oz. (0.54 - 0.59 L)

FEATURES:
Qualified to start down to -20° F
Specially-designed covers and recoil for protection in cold weather operations
Super Lo-Tone™ muffler option provides quieter operation
Oversized controls for easy starting and operation with gloves or mittens
Aluminized or coated mufflers resist corrosion for longer life and provide quiet operations
Electric starter option eliminates the need to pull a rope
Buyer protection package provides two-year limited consumer engine warranty**

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<td>3/16-Str.</td>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing
(21) Engine equipped with 110 Volt Gear Drive Starter

**See www.briggsandstratton.com for warranty details.
SNOW SERIES
9.00 GROSS TORQUE

205 CC
Bore 2.69 in. (68.30 mm)
Stroke 2.20 in. (55.90 mm)
Oil Capacity 18-20 fl. oz. (0.54-0.59 L)

FEATURES:
Qualified to start down to -20° F
Specially-designed covers and recoil for protection in cold weather operations
Super Lo-Tone™ muffler option provides quieter operation
Oversized controls for easy starting and operation with gloves or mittens
Aluminized or coated mufflers resist corrosion for longer life and provide quiet operations
Electric starter option eliminates the need to pull a rope

Buyer protection package provides two-year limited consumer engine warranty**

<table>
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<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
<th>Flange Mnt.</th>
<th>Manual Choke</th>
<th>Remote Choke</th>
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<th>Fuel Tank (Quarts)</th>
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</table>

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing
(21) Engine equipped with 110 Volt Gear Drive Starter

**See www.briggsandstratton.com for warranty details.
SNOW SERIES
9.50 GROSS TORQUE*

208 CC
Bore 2.68 in. (62.00 mm)
Stroke 2.20 in. (55.88 mm)
Oil Capacity 20-22 fl. oz. (0.59-0.65 L)

FEATURES:
Qualified to start down to -20° F
Specially-designed covers and recoil for protection in cold weather operations
Super Lo-Tone™ muffler option provides quieter operation
Oversized controls for easy starting and operation with gloves or mittens
Aluminized or coated mufflers resist corrosion for longer life and provide quiet operations
Electric starter option eliminates the need to pull a rope
Buyer protection package provides two-year limited consumer engine warranty**

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**See www.briggsandstratton.com for warranty details.

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<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Governor</th>
<th>Fuel Tank (Quarts)</th>
<th>Top Governor Speed</th>
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<td>591520</td>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing
(22) Engine equipped with 110 Volt Gear Drive Starter and 60W AC Only Alternator

**See www.briggsandstratton.com for warranty details.
PROFESSIONAL SERIES™ SNOW
11.50 GROSS TORQUE*

250 CC
Bore 2.97 in. (75.45 mm)
Stroke 2.20 in. (55.90 mm)
Oil Capacity 18-20 fl. oz. (0.54-0.59 L)

FEATURES:
Qualified to start down to -20° F
Specially-designed covers and recoil for protection in cold weather operations
Super Lo-Tone™ muffler option provides quieter operation
Oversized controls for easy starting and operation with gloves or mittens
Aluminized or coated mufflers resist corrosion for longer life and provide quiet operations
Electric starter option eliminates the need to pull a rope
Buyer protection package provides two-year limited consumer engine warranty**

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<th>MTT</th>
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<th>P.T.O. Diameter</th>
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<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
<th>Flange Mnt.</th>
<th>Manual Choke</th>
<th>Remote Choke</th>
<th>Remote Stop Switch</th>
<th>Oil Sensor</th>
<th>Fuel Tank (Quarts)</th>
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<td>MF</td>
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<td>3.2</td>
<td>3600</td>
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</tbody>
</table>

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton. (11) PTO Ball Bearing
(22) Engine equipped with 110 Volt Gear Drive Starter and 60W AC Only Alternator
(23) Engine equipped with 110 Volt Gear Drive Starter and 1.5 AMP DC Alternator
(24) Engine equipped with 110 Volt Gear Drive Starter and Dual Circuit Alternator (3 AMP DC - 60W AC)
(25) Engine equipped with 110 Volt Gear Drive Starter and 9 AMP DC Battery-less Alternator
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
PROFESSIONAL SERIES™ SNOW
14.50 GROSS TORQUE*

308 CC
Bore 3.12 in. (79.00 mm)
Stroke 2.43 in. (61.00 mm)
Oil Capacity 26-28 fl. oz. (0.77-0.83 L)

FEATURES:
Qualified to start down to -20° F
Specially-designed covers and recoil for protection in cold weather operations
Super Lo-Tone™ muffler option provides quieter operation
Oversized controls for easy starting and operation with gloves or mittens
Aluminized or coated mufflers resist corrosion for longer life and provide quiet operations
Electric starter option eliminates the need to pull a rope
Buyer protection package provides two-year limited consumer engine warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Gearbox</th>
<th>Flange Mtg.</th>
<th>Manual Choke</th>
<th>Remote Stop Switch</th>
<th>Oil Sensor</th>
<th>Fuel Tank (Quarts)</th>
<th>Top Governor Speed</th>
<th>Notes</th>
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<td>3/8-24</td>
<td>3/16-Str.</td>
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<td>3.2</td>
<td>3600</td>
<td>11,25</td>
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</table>

*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(1) PTO Ball Bearing
(25) Engine equipped with 110 Volt Gear Drive Starter and 9 AMP DC Battery-less Alternator
Engines in bold type have promotional pricing

See www.briggsandstratton.com for warranty details.
PROFESSIONAL SERIES™ SNOW
21.00 GROSS TORQUE

420 CC
Bore 3.54 in. (90.00 mm)
Stroke 2.60 in. (66.00 mm)
Oil Capacity 37 fl. oz. (1.09 L)

FEATURES:
Qualified to start down to -20° F
Specially-designed covers and recoil for protection in cold weather operations
Super Lo-Tone™ muffler option provides quieter operation
Oversized controls for easy starting and operation with gloves or mittens
Aluminized or coated mufflers resist corrosion for longer life and provide quiet operations
Electric starter option eliminates the need to pull a rope

Buyer protection package provides two-year limited consumer engine warranty**

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<th>Controls</th>
<th>Flange Mnt.</th>
<th>Manual Choke</th>
<th>Remote Choke</th>
<th>Remote Stop Switch</th>
<th>Oil Sensor</th>
<th>Fuel Tank (Quarts)</th>
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<td>5.9</td>
<td>3600</td>
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*All power levels are stated gross torque at 2600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing
(22) Engine equipped with 110 Volt Gear Drive Starter and 60W AC Only Alternator
(25) Engine equipped with 110 Volt Gear Drive Starter and 9 AMP DC Battery-less Alternator

**See www.briggsandstratton.com for warranty details.
VANGUARD™
6.5 GROSS HP†

205 CC
Bore 2.68 in. (62.00 mm)
Stroke 2.20 in. (55.88 mm)
Oil Capacity 20-22 fl. oz. (0.59-0.65 L)

FEATURES:
High-mounted canister-style air cleaner has 22% more filter area than the competition
TransportGuard® fuel/ignition shut off system protects the engine from oil/fuel dilution during transport (205cc and 305cc models only)
Commercial-style carburetor includes additional fuel passages for reliable starting and smooth running operation at a wide range of loads
Metal fuel tank reduces emissions and is mounted directly to the engine block to enhance durability
Mechanical Governor

Buyer protection package provides three-year commercial limited warranty**

MTT | Crankshaft # | P.T.O. Diameter | Drilled & Tapped | Keyway | Length | Starter Position | Controls | Manual Choke | Remote Choke | Flange Mfg. | Oil Sensor | Fuel Tank (Quarts) | Key Control Panel | Top Governor Speed | Notes
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---
13L332
0008-F8 | 798547 | 1 in. | 3/8-24 | 1/4-Str. | 2-7/8 | 10:30 | MF/R | X | X | X | 3.4 | 3600 | 11
0036-F8 | 798532 | 3/4 in. | 5/16-24 | 3/16-Str. | 2-7/16 | 10:30 | MF/R | X | X | X | 3.4 | 3600 | 11
13L337
0113-F8 | 798532 | 3/4 in. | 5/16-24 | 3/16-Str. | 2-7/16 | 10:30 | FC | X | X | X | 3.4 | X | 3600 | 11,20
13L352
0049-F8 | 798549 | 3/4 in. | 6:1 CCW | 3/16-Str. | 1-13/16 | 10:30 | MF/R | X | X | X | 3.4 | 3600

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(11) PTO Ball Bearing
(20) Engine equipped with 12 Volt Gear Drive Starter and 20 AMP DC Alternator
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
VANGUARD™
10.0 GROSS HP†

305 CC
Bore 3.12 in. (79.25 mm)
Stroke 2.44 in. (61.98 mm)
Oil Capacity 28 fl. oz. (0.83 L)

FEATURES:
High-mounted canister-style air cleaner has 22% more filter area than the competition
TransportGuard® fuel/ignition shut off system protects the engine from oil/fuel dilution during transport (205cc and 305cc models only)
Commercial-style carburetor includes additional fuel passages for reliable starting and smooth running operation at a wide range of loads
Metal fuel tank reduces emissions and is mounted directly to the engine block to enhance durability
Mechanical Governor
Buyer protection package provides three-year commercial limited warranty**

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<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
<th>Manual Choke</th>
<th>Remote Choke</th>
<th>Flange Mtg.</th>
<th>Oil Sensor</th>
<th>Fuel Tank (Quarts)</th>
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<th>Top Governor Speed</th>
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<td>1/4-Str.</td>
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</table>

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(5) Engine equipped with 12 Volt Gear Drive Starter and 9 Amp DC Alternator
(11) PTO Ball Bearing
Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.
VANGUARD™
16.0 GROSS HP†

479 CC
Bore 2.68 in. (68.00 mm)
Stroke 2.60 in. (66.00 mm)
Oil Capacity 48 fl. oz. (1.42 L)

FEATURES:
Float carburetor for consistent easy starting
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life
**Buyer protection package provides three-year commercial limited warranty**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
<th>Remote Choke</th>
<th>Manual Choke</th>
<th>Cyclonic Air Filter</th>
<th>Filingg Mfg.</th>
<th>Oil Cooler</th>
<th>Oil Pump with Filter</th>
<th>Key Stop Switch</th>
<th>Fuel Tank (Quarts)</th>
<th>Muffler</th>
<th>Torqe Governor Speed</th>
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</table>

1 All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(11) PTO Ball Bearing
(14) Supress Afterfire Solenoid
(26) Engine with out air cleaner

**See www.briggsandstratton.com for warranty details.**
**VANGUARD™**
18.0 GROSS HP†

570 CC
Bore 2.83 in. (72.00 mm)
Stroke 2.76 in. (70.00 mm)
Oil Capacity 48 fl. oz. (1.42 L)

**FEATURES:**
- Float carburetor for consistent easy starting
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Buyer protection package provides three-year commercial limited warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(11) PTO Ball Bearing
(14) Supress Afterfire Solenoid
(19) Engine equipped with 12 Volt Gear Drive Starter and 20/50 AMP DC Alternator

**See www.briggsandstratton.com for warranty details.**
VANGUARD™
21.0 GROSS HP†

627 CC
Bore 2.97 in. (75.50 mm)
Stroke 2.76 in. (70.00 mm)
Oil Capacity 48 fl. oz. (1.42 L)

FEATURES:
Float carburetor for consistent easy starting
Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
Overhead valve design (OHV) for cooler operation and longer valve life
Buyer protection package provides three-year commercial limited warranty**

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<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Starter Position</th>
<th>Controls</th>
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<th>Manual Choke</th>
<th>Cylinder Air Filter</th>
<th>Flange Mnt.</th>
<th>Oil Cooler</th>
<th>Oil Pump</th>
<th>Oil Pump with Filter</th>
<th>Oil Pump with Filter</th>
<th>Key Stop Switch</th>
<th>Fuel Tank (Quarts)</th>
<th>Fuel Tank (Quarts)</th>
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<th>Top Governor Speed</th>
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</table>

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator
(11) PTO Ball Bearing
(14) Supress Afterfire Solenoid
(15) Static Cover Installed
(19) Engine equipped with 12 Volt Gear Drive Starter and 20/50 AMP DC Alternator

**See www briggsandstratton com for warranty details.
**See www.briggsandstratton.com for warranty details.**

**VANGUARD™**

**23.0 GROSS HP†**

627 CC

Bore 2.97 in. (75.50 mm)

Stroke 2.76 in. (70.00 mm)

Oil Capacity 48 fl. oz. (1.42 L)

**FEATURES:**

Float carburetor for consistent easy starting

Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life

Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life

Overhead valve design (OHV) for cooler operation and longer valve life

*Buyer protection package provides three-year commercial limited warranty***

---

**MTT** | **Crankshaft #** | **P.T.O. Diameter** | **Drilled & Tapped** | **Keyway** | **Length** | **Starter Position** | **Remote Choke** | **Manual Choke** | **Cyclo Oil Filter** | **Fuel Pump** | **Oil Pump** | **Key Stop Switch** | **Fuel Tank (Quarts)** | **Muffler** | **Top Governor Speed** | **Notes** |
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
386447 | | | | | | | | | | | | | | | | | | |
0050-F1 | 843807 | 1 in. | 3/8-24 | 1/4-Str. | 3 | 9:00 | MF | X | X | X | X | X | X | 9 | 3600 | 6,11 |
3020-G1 | 843807 | 1 in. | 3/8-24 | 1/4-Str. | 3 | 12:00 | MF/R | X | X | X | X | X | X | X | -- | X | 3600 | 11,14,19 |
3021-G1 | 843812 | 1-1/8 in. | 7/16-20 | 1/4-Str. | 3 | 9:00 | R | X | X | X | X | X | X | X | -- | -- | 4000 | 11,19 |
3047-G1 | 843812 | 1-1/8 in. | 7/16-20 | 1/4-Str. | 3 | 9:00 | MF/R | X | X | X | X | X | X | X | -- | -- | 3600 | 6,11,14 |
3048-G1 | 843814 | 1-1/8 in. | 7/16-20 | 1/4-Str. | 4 | 9:00 | MF/R | X | X | X | X | X | X | X | -- | -- | 3600 | 6,11,14 |
3065-G1 | 843807 | 1 in. | 3/8-24 | 1/4-Str. | 3 | 9:00 | MF/R | X | X | X | X | X | X | X | -- | -- | 3600 | 6,11,14 |
3077-G1 | 843808 | 1 in. | Threaded 1-14 | 3-1/4 | 9:00 | MF/R | X | X | X | X | X | X | X | -- | -- | 3600 | 6,11 |
3078-G1 | 843810 | 2-1/4 Taper | 5/16-24 | ---- | 3-21/64 | 9:00 | AG | X | X | X | X | X | X | -- | -- | 3750 | 6,11 |
3079-G1 | 843807 | 1 in. | 3/8-24 | 1/4-Str. | 3 | 9:00 | MF/R | X | X | X | X | X | X | X | -- | -- | 3600 | 6,11,14 |
3201-G1 | 843807 | 1 in. | 3/8-24 | 1/4-Str. | 3 | R | X | X | X | X | X | X | X | -- | -- | 3600 | 6,11,14 |

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

(6) Engine equipped with 12 Volt Gear Drive Starter and 16 AMP DC Alternator

(11) PTO Ball Bearing

(14) Supress Afterfire Solenoid

(19) Engine equipped with 12 Volt Gear Drive Starter and 20/50 AMP DC Alternator

Engines in bold type have promotional pricing

**See www.briggsandstratton.com for warranty details.**
**VAN GUARD™**

**31.0 GROSS HP†**

**896 CC**

Bore 3.37 in. (85.50 mm)

Stroke 3.07 in. (78.00 mm)

Oil Capacity 79 fl. oz. (2.34 L)

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FEATURES:

Advanced Debris Management System allows the engine to run cleaner and cooler, which enhances durability and performance

Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems

Industrial grade solenoid shift starter assures quick, reliable starts

Full-pressure oil lubrication system with spin-on filter works to keep oil cleaner, which reduces maintenance and extends engine life

Buyer protection package provides three-year commercial limited warranty**

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<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Crankpins</th>
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<th>Manual Choke</th>
<th>Cyclonic Air Filter</th>
<th>Flange Mount</th>
<th>Oil Cooler</th>
<th>Fuel Pump</th>
<th>Oil Pump with Filter</th>
<th>Key Stop Switch</th>
<th>Fuel Tank (Quarts)</th>
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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

(8) Engine equipped with 12 Volt Solenoid Shift Starter and 20 AMP DC Alternator

(14) Suppress Afterfire Solenoid

(15) Static Cover Installed

**See www.briggsandstratton.com for warranty details.**
VANGUARD™
35.0 GROSS HP†

993 CC
Bore 3.37 in. (85.50 mm)
Stroke 3.41 in. (86.50 mm)
Oil Capacity 79 fl. oz. (2.34 L)

FEATURES:
Advanced Debris Management System allows
the engine to run cleaner and cooler, which
enhances durability and performance
Cyclonic air filter provides ultimate debris
protection and lasts 2X longer than panel-style air
cleaner systems
Industrial grade solenoid shift starter assures
quick, reliable starts
Full-pressure oil lubrication system with spin-on
filter works to keep oil cleaner, which reduces
maintenance and extends engine life
Buyer protection package provides three-year
commercial limited warranty**

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†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(8) Engine equipped with 12 Volt Solenoid Shift Starter and 20 AMP DC Alternator
(14) Supress Afterfire Solenoid
(15) Static Cover Installed
(17) Engine equipped with 12 Volt Solenoid Shift Starter and 20/50 AMP DC Alternator

**See www.briggsandstratton.com for warranty details.
**VANGUARD™ EFI**

**37.0 GROSS HP†**

**993 CC**

Bore 3.42 in. (86.87 mm)  
Stroke 3.46 in. (87.88 mm)  
Oil Capacity 79 fl. oz. (2.34 L)

---

**FEATURES:**

Electronic Fuel Injection  
Advanced Debris Management System allows the engine to run cleaner and cooler, which enhances durability and performance.  
Foam pre-cleaner traps large debris before it can clog the filter element and rob the engine of needed air.  
Industrial grade solenoid shift starter assures quick, reliable starts.  
Full-pressure oil lubrication system with spin-on filter works to keep oil cleaner, which reduces maintenance and extends engine life.  
**Buyer protection package provides three-year commercial limited warranty**

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**MTT**

<table>
<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Cover(s)</th>
<th>Remote Choke</th>
<th>Manual Choke</th>
<th>Cyclonic Air Filter</th>
<th>Flange Mtg.</th>
<th>Oil Cooler</th>
<th>Fuel Pump</th>
<th>Oil Pump with Filter</th>
<th>Key Stop Switch</th>
<th>Fuel Tank (Quarts)</th>
<th>Muffler</th>
<th>Top Governor Speed</th>
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<td>3600</td>
<td>8,15,16,27</td>
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</table>

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.

(8) Engine equipped with 12 Volt Solenoid Shift Starter and 20 AMP DC Alternator  
(15) Static Cover Installed  
(16) EFI  
(27) Engine equipped with Tach, Hour Meter and MIL  
Engine is without muffler

---

*See www.briggsandstratton.com for warranty details.*
**VANGUARD™ EFI**

37.0 GROSS HP†

**993 CC**
Bore 3.42 in. (86.87 mm)
Stroke 3.46 in. (87.88 mm)
Oil Capacity 79 fl. oz. (2.34 L)

**FEATURES:**
Electronic Fuel Injection
Marine, weather resistant electrical connectors
Advanced Debris Management System allows the engine to run cleaner and cooler, which enhances durability and performance
Foam pre-cleaner traps large debris before it can clog the filter element and rob the engine of needed air
Industrial grade solenoid shift starter assures quick, reliable starts
Full-pressure oil lubrication system with spin-on filter works to keep oil cleaner, which reduces maintenance and extends engine life
Buyer protection package provides three-year commercial limited warranty**

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<thead>
<tr>
<th>MTT</th>
<th>Crankshaft #</th>
<th>P.T.O. Diameter</th>
<th>Drilled &amp; Tapped</th>
<th>Keyway</th>
<th>Length</th>
<th>Controls</th>
<th>Remote Choke</th>
<th>Manual Choke</th>
<th>Cyclonic Air Filter</th>
<th>Flange Mnt.</th>
<th>Oil Cooler</th>
<th>Fuel Pump</th>
<th>Oil Pump with Filter</th>
<th>Key Stop Switch</th>
<th>Fuel Tank (Quarts)</th>
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</table>

†All power levels are stated gross horsepower at 3600 RPM per SAE J1940 as rated by Briggs & Stratton.
(15) Static Cover Installed
(16) EFI
(17) Engine equipped with 12 Volt Solenoid Shift Starter and 20/50 AMP DC Alternator
Engine is without muffler

**See www.briggsandstratton.com for warranty details.**
The California Air Resources Board, U.S. EPA, and Briggs & Stratton (B&S) are pleased to explain the emissions control system warranty on your 2015-2017 engine/equipment. In California, new small off-road engines and large spark ignited engines less than or equal to 1.0 liter must be designed, built, and equipped to meet the State’s stringent anti-smog standards. B&S must warrant the emissions control system on your engine/equipment for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your engine/equipment. Your exhaust emissions control system may include parts such as the carburetor or fuel injection system, ignition system, and catalytic converter. Also included may be hoses, belts, connectors, sensors, and other emissions-related assemblies. Your evaporative emission control system may include parts such as: carburetors, fuel tanks, fuel lines, fuel caps, valves, canisters, filters, vapor hoses, clamps, connectors, and other associated components.

Where a warrantable condition exists, B&S will repair your engine/equipment at no cost to you including diagnosis, parts, and labor.

Manufacturer’s Warranty Coverage:
Small off-road engines and large spark ignited engines less than or equal to 1.0 liter, and any related emissions components of the equipment, are warranted for two years, or for the time period listed in the respective engine or product warranty statement, whichever is greater. If any emissions-related part on your B&S engine/equipment is defective, the part will be repaired or replaced by B&S.

Owner’s Warranty Responsibilities:
- As the engine/equipment owner, you are responsible for the performance of the required maintenance listed in your Operator's Manual. B&S recommends that you retain all receipts covering maintenance on your engine/equipment, but B&S cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.
- As the engine/equipment owner, you should however be aware that B&S may deny you warranty coverage if your engine/equipment or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.
- You are responsible for presenting your engine/equipment to a B&S distribution center, servicing dealer, or other equivalent entity, as applicable, as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact B&S at 1-800-444-7774 (in USA) or BRIGGSandSTRATTON.COM.

The following are specific provisions relative to your Emissions Control Warranty Coverage. It is in addition to the B&S engine warranty for non-regulated engines found in the Operator’s Manual.

1. Warranted Emissions Parts
Under this warranty extends only to the parts listed below (the emissions control systems parts) to the extent these parts were present on the B&S engine and/or B&S supplied fuel system.

- Fuel Metering System
  - Cold start enrichment system (soft choke)
  - Carburetor or fuel injection system
- Ignition System
  - Electronic control unit
- Fuel pump module
- Fuel line, fuel line fittings, clamps
  - Fuel tank, cap and tether
- Carbon canister

- Air Induction System
  - Air cleaner
  - Intake manifold
  - Purge and vent line
- Ignition System
  - Spark plug(s)
- Magnetron ignition system
- Catalyst System
  - Catalytic converter
  - Exhaust manifold
- Air injection system or pulse valve
- Miscellaneous Items Used in Above Systems
  - Vacuum, temperature, position, time sensitive valves and switches
  - Connectors and assemblies

2. Length of Coverage
Coverage is for a period of two years from the date of original purchase, or for the time period listed in the respective engine or product warranty statement, whichever is greater. B&S warrants the original purchaser and each subsequent purchaser that the engine is designed, built, and equipped so as to conform with all applicable regulations adopted by the Air Resources Board; that it is free from defects in material and workmanship that could cause the failure of a warranted part; and that it is identical in all material respects to the engine described in the manufacturer’s application for certification. The warranty period begins on the date the engine is originally purchased.

The warranty on emissions-related parts is as follows:
- Any warranted part that is not scheduled for replacement as required maintenance in the Operator’s Manual supplied, is warranted for the warranty period stated above. If any such part fails during the period of warranty coverage, the part will be repaired or replaced by B&S at no charge to the owner. Any such part repaired or replaced under the warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled only for regular inspection in the Operator’s Manual supplied, is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled for replacement as required maintenance in the Operator’s Manual supplied, is warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part will be repaired or replaced by B&S at no charge to the owner. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
- Add-on or modified parts that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add-on or modified parts by the owner will be grounds for disallowing a warranty claim. The manufacturer will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

3. Consequential Coverage
Coverage shall extend to the failure of any engine components caused by the failure of any warranted emissions parts.

4. Claims and Coverage Exclusions
Warranty claims shall be filed according to the provisions of the B&S engine warranty policy. Warranty coverage does not apply to failures of emissions parts that are not original equipment B&S parts or to parts that fail due to abuse, neglect, or improper maintenance as set forth in the B&S engine warranty policy. B&S is not liable for warranty coverage of failures of emissions parts caused by the use of add-on or modified parts.

Briggs & Stratton Emissions Control Warranty Provisions

For Briggs & Stratton Engine Models with “F” Trim Designation
(Model-Type-Trim Representation xxxxxx xxxx Fx)

Look For Relevant Emissions Durability Period and Air Index Information On Your Small Off-Road Engine Emissions Label

Extended:
Engines at or less than 80 cc displacement are certified to be emissions compliant for 500 hours of actual engine running time. Engines greater than 80 cc displacement are certified to be emissions compliant for 500 hours of actual engine running time. Therefore, the Emissions Durability Period of an engine with an Intermediate rating would equate to 10 to 12 years.

Briggs & Stratton engines are certified to meet the United States Environmental Protection Agency (USEPA) Phase 2 or Phase 3 emissions standards. The Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emissions requirements.

For engines at or less than 80 cc displacement:
- Category C = 50 hours, Category B = 125 hours, Category A = 300 hours
- For engines greater than 80 cc displacement and less than 225 cc displacement:
  - Category C = 125 hours, Category B = 250 hours, Category A = 500 hours
  - For engines of 225 cc or more displacement:
    - Category C = 250 hours, Category B = 500 hours, Category A = 1000 hours

Engines that are certified to meet the California Air Resources Board (CARB) small off-road Emissions Standard must display information regarding the Emissions Durability Period and the Air Index. Briggs & Stratton makes this information available to the consumer on our emissions labels. The engine emissions label will indicate certification information.

The Emissions Durability Period describes the number of hours of actual running time for which the engine is certified to be emissions compliant, assuming proper maintenance in accordance with the Operator’s Manual. The following categories are used:

- Moderate:
  Engines at or less than 80 cc displacement are certified to be emissions compliant for 50 hours of actual engine running time. Engines greater than 80 cc displacement are certified to be emissions compliant for 125 hours of actual engine running time.

- Intermediate:
  Engines at or less than 80 cc displacement are certified to be emissions compliant for 125 hours of actual engine running time. Engines greater than 80 cc displacement are certified to be emissions compliant for 250 hours of actual engine running time.
California, U.S. EPA, and Briggs & Stratton Corporation Emissions Control Warranty Statement

Your Warranty Rights And Obligations

For Briggs & Stratton Engine Models with “B” or “G” Trim Designation

(Model-Type-Trim Representation xxxxx xxxx Bx or xxxxx xxxx Gx)

The California Air Resources Board, U.S. EPA, and Briggs & Stratton (B&S) are pleased to explain the emissions control system warranty on your 2015-2017 engine. In California, new small off-road engines and large spark ignited engines less than or equal to 1.0 liter must be designed, built, and equipped to meet the State’s stringent anti-smog standards. B&S must warrant the emissions control system on your engine for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your engine.

Your exhaust emissions control system may include parts such as the carburetor or fuel injection system, ignition system, and catalytic converter. Also included may be hoses, belts, connectors, sensors, and other emissions-related assemblies.

Where a warrantable condition exists, B&S will repair your engine at no cost to you including diagnosis, parts, and labor.

Manufacturer’s Warranty Coverage:

Small off-road engines and large spark ignited engines less than or equal to 1.0 liter, are warranted for two years, or for the time period listed in the respective engine or product warranty statement, whichever is greater. If any emissions-related part on your B&S engine is defective, the part will be repaired or replaced by B&S.

Category C = 250 hours, Category B = 500 hours, Category A = 1000 hours

Owner’s Warranty Responsibilities:

• As the engine owner, you are responsible for the performance of the required maintenance listed in your Operator’s Manual. B&S recommends that you retain all receipts covering maintenance on your engine, but B&S cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.
• As the engine owner, you should however be aware that B&S may deny you warranty coverage if your engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.
• You are responsible for presenting your engine to a B&S distribution center, servicing dealer, or other equivalent entity, as applicable, as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact B&S at 1-800-444-7774 (in USA) or BRIGGSANDSTRATTON.com.

Briggs & Stratton Emissions Control Warranty Provisions

The warranty on emissions-related parts is as follows:

• Any warranted part that is not scheduled for replacement as required maintenance in the Operator’s Manual supplied, is warranted for the warranty period stated above. If any such part fails during the period of warranty coverage, the part will be repaired or replaced by B&S at no charge to the owner. Any such part repaired or replaced under the warranty will be warranted for the remaining warranty period.
• Any warranted part that is scheduled only for regular inspection in the Operator’s Manual supplied, is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
• Any warranted part that is scheduled for replacement as required maintenance in the Operators’s Manual supplied, is warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part will be repaired or replaced by B&S at no charge to the owner. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
• Add-on or modified parts that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add-on or modified parts by the owner will be grounds for disallowing a warranty claim. The manufacturer will not be liable to warranty failures of warranted parts caused by the use of a non-exempted add-on or modified part.

3. Consequential Coverage

Coverage shall extend to the failure of any engine components caused by the failure of any warranted emissions parts.

4. Claims and Coverage Exclusions

Warranty claims shall be filed according to the provisions of the B&S engine warranty policy. Warranty coverage does not apply to failures of emissions parts that are not original equipment B&S parts or to parts that fail due to abuse, neglect, or improper maintenance as set forth in the B&S engine warranty policy. B&S is not liable for warranty coverage of failures of emissions parts caused by the use of add-on or modified parts.

Look For Relevant Emissions Durability Period and Air Index Information

On Your Small Off-Road Engine Emissions Label

Engines that are certified to meet the California Air Resources Board (CARB) small off-road Emissions Standard must display information regarding the Emissions Durability Period and the Air Index. Briggs & Stratton makes this information available to the consumer on our emissions labels. The engine emissions label will indicate certification information.

The Emissions Durability Period describes the number of hours of actual running time for which the engine is certified to be emissions compliant, assuming proper maintenance in accordance with the Operator’s Manual. The following categories are used:

Moderate:

Engines at or less than 80 cc displacement are certified to be emissions compliant for 50 hours of actual engine running time. Engines greater than 80 cc displacement are certified to be emissions compliant for 125 hours of actual engine running time.

Intermediate:

Engines at or less than 80 cc displacement are certified to be emissions compliant for 125 hours of actual engine running time. Engines greater than 80 cc displacement are certified to be emissions compliant for 250 hours of actual engine running time.

Extended:

Engines at or less than 80 cc displacement are certified to be emissions compliant for 300 hours of actual engine running time. Engines greater than 80 cc displacement are certified to be emissions compliant for 500 hours of actual engine running time.

For example, a typical walk-behind lawn mower is used 20 to 25 hours per year. Therefore, the Emissions Durability Period of an engine with an Intermediate rating would equate to 10 to 12 years.
U.S. EPA, and Briggs & Stratton Corporation Emissions Control Warranty Statement
Your Warranty Rights And Obligations
For Briggs & Stratton Engine Models with “U” Trim Designation
(Model-Type-Trim Representation xxxxxx xxxx Jx)

The U.S. EPA, and Briggs & Stratton (B&S) are pleased to explain the emissions control system warranty on your Model Year 2015-2017 engine. In the U.S, new small off-road engines and large spark ignited engines less than or equal to 1.0 liter must be designed, built, and equipped to meet stringent anti-smog standards. B&S must warrant the emissions control system on your engine for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your engine.

Your exhaust emissions control system may include parts such as the carburetor or fuel injection system, ignition system, and catalytic converter. Also included may be hoses, belts, connectors, sensors, and other emissions-related assemblies. Where a warrantable condition exists, B&S will repair your engine at no cost to you including diagnosis, parts, and labor.

Manufacturers Warranty Coverage:
Small off-road engines and large spark ignited engines less than or equal to 1.0 liter, are warranted for two years, or for the time period listed in the respective engine or product warranty statement, whichever is greater. If any emissions-related part on your B&S engine is defective, the part will be repaired or replaced by B&S.

Coverage under this warranty extends only to the parts listed below (the emissions control systems parts) to the extent these parts were present on the B&S engine.

a. Fuel Metering System
   • Cold start enrichment system (soft choke)
   • Carburetor or fuel injection system
   • Oxygen sensor
   • Electronic control unit
   • Fuel pump module

b. Air Induction System
   • Air cleaner
   • Intake manifold

c. Ignition System
   • Spark plug(s)
   • Magneto ignition system

d. Catalyst System
   • Catalytic converter
   • Exhaust manifold
   • Air injection system or pulse valve

e. Miscellaneous Items Used in Above Systems
   • Vacuum, temperature, position, time sensitive valves and switches
   • Connectors and assemblies

Coverage for new small off-road engines and large spark ignited engines less than or equal to 1.0 liter, is warranted for two years, or for the time period listed in the respective engine or product warranty statement, whichever is greater. If any emissions-related part on your B&S engine is defective, the part will be repaired or replaced by B&S.

Owner’s Warranty Responsibilities:
- As the engine owner, you are responsible for the performance of the required maintenance listed in your Operator’s Manual. B&S recommends that you retain all receipts covering maintenance on your engine, but B&S cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.
- As the engine owner, you should however be aware that B&S may deny you warranty coverage if your engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.
- You are responsible for presenting your engine to a B&S distribution center, servicing dealer, or other equivalent entity, as applicable, as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact B&S at 1-800-444-7774 (in USA) or BRIGGSandSTRATTON.com.

The warranty on emissions-related parts is as follows:
- Any warranted part that is not scheduled for replacement as required maintenance in the Operator’s Manual supplied, is warranted for the warranty period stated above. If any such part fails during the warranty period, the part will be replaced or repaired by B&S at no charge to the owner. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled only for regular inspection in the Operator’s Manual supplied, is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled for replacement as required maintenance in the Operator’s Manual supplied, is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled for replacement as required maintenance in the Operator’s Manual supplied, is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
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- Add-on or modified parts that are not exempted by the U.S. EPA may not be used. The use of any non-exempted add-on or modified parts by the owner will be grounds for disallowing a warranty claim. The manufacturer will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

3. Consequential Coverage
Coverage shall extend to the failure of any engine components caused by the failure of any warranted emissions parts.

4. Claims and Coverage Exclusions
Warranty claims shall be filed according to the provisions of the B&S engine warranty policy. Warranty coverage does not apply to failures of emissions parts that are not original equipment B&S parts or to parts that fail due to abuse, neglect, or improper maintenance as set forth in the B&S engine warranty policy. B&S is not liable for warranty coverage of failures of emissions parts caused by the use of add-on or modified parts.

Look For Relevant Emissions Durability Period and Air Index Information
On Your Small Off-Road Engine Emissions Label

Briggs & Stratton engines are certified to meet the United States Environmental Protection Agency’s (USEPA) Phase 3 emissions standards. The Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emissions requirements.

For engines at or less than 80 cc displacement:
Category C = 50 hours, Category B = 125 hours, Category A = 300 hours

For engines greater than 80 cc displacement and less than 225 cc displacement:
Category C = 125 hours, Category B = 250 hours, Category A = 500 hours

For engines of 225 cc or more displacement:
Category C = 250 hours, Category B = 500 hours, Category A = 1000 hours

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THE POWER WITHIN: ENVIRONMENTAL STEWARDSHIP

For over 107 years, Briggs & Stratton has been built on dedication, hard work, and a vision for turning possibilities into reality. From designing the first lightweight, aluminum engine that transformed the lawn and garden industry to becoming the world’s largest producer of gasoline engines for outdoor power equipment, we focused on creating better and more innovative products. Today, we are building on this legacy through our strong commitment to sustainability both in our products and people. This is seen through our drive to improve the efficiency of our operations, reducing our environmental impacts globally, strengthening the communities that we serve and valuing the employees who fuel our success.

Consider this:

- Briggs & Stratton® engines manufactured in 2012 will emit up to 75 percent less exhaust emissions than those sold in 1995. In addition, since 2005, evaporative emissions have been reduced by 73 percent.

- In 2007, we signed a pledge with the Department of Energy to reduce our energy intensity by 25 percent over 10 years. In just 5 years, we have cut energy use by 135 million kilowatt hours, a 9 percent reduction in our energy intensity.

- In 2011, we recycled over 40,000 tons of materials from our facilities, and sent less than 12 percent of our byproducts to landfill.

- Over five years, from 2006 to 2011, we implemented a number of water conservation projects that reduced consumption by our U.S. facilities by 22%.

- In 2011, we completed one of the first life cycle assessments in our industry to determine the full environmental impact throughout all stages of a lawn mower’s life cycle.

- We partner with organizations such as the American Red Cross and Haiti Partners to deliver power products to aid in relief efforts for communities impacted by natural disasters.

- Winner of a Top Workplace Award in 2011 and 2012 from the Milwaukee Journal Sentinel, evidence of the investment we make in our employees, our greatest asset.


These are only a few examples that demonstrate our commitment to sustainability. An engaged workforce, committed leadership and dedicated resources will fuel our future sustainability efforts and our vision to become a global leader in supplying innovative power solutions. At Briggs & Stratton, that’s our commitment to you.

To learn more, please visit www.basco.com/sustainability