

BRIGGS and STRATTON ENGINES

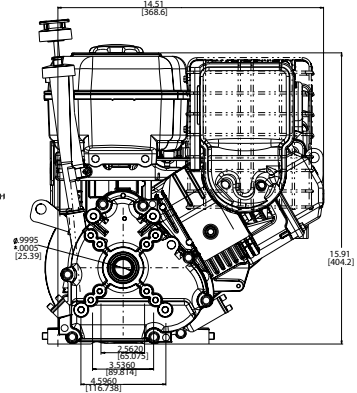
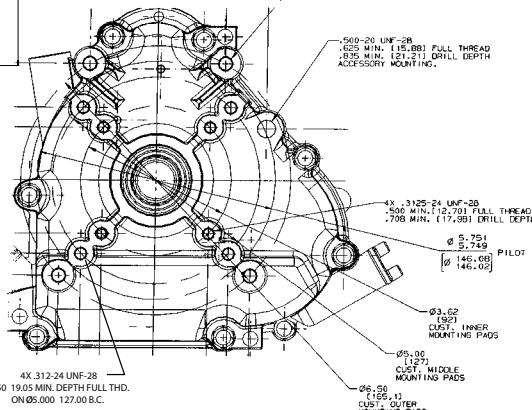
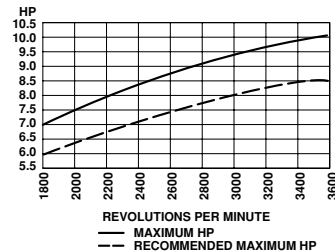
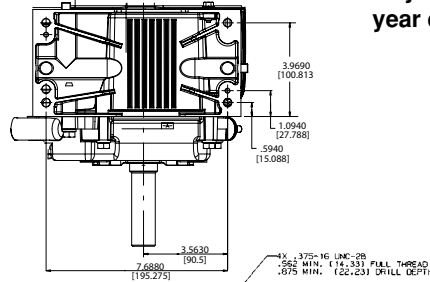
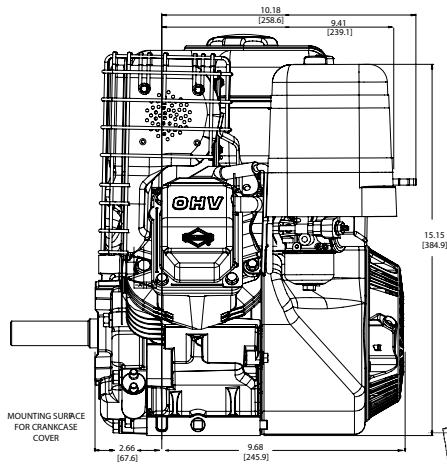
10 HP - Series 205400 INTEK™ I/C®

Displacement 18.6 cu. in. (305 cc)
Bore 3.12 in. (79 mm)
Stroke 2.43 in. (61 mm)
Oil Capacity 28 fl. oz. (0.82 l)



Features:

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner plated 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
- Buyer protection package provides two-year consumer engine warranty



To make the center line of crankshaft the same as 190000 and 250000 Model Series, order 695154 spacer kit.

Model Type	Shipping Weight	Crankshaft	Crankshaft (P.T.O.) Extension	Dimension	Starter Position Bolt-On/Changeable	Governor	Controls	Flange Mtg.	Manual Choke	Remote Stop Switch	Fuel Tank (Quarts)	Top Governor Speed	Notes
205432													
0035	52	695818	Threaded 1-14, 1" tapped length	3-21/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
0036	52	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	•
0038	63	694678	Tapered, tapped 5/16-24	4-11/32(c)	10:30	M	AG/R/MF	X	X	X	4	3750	•
205437													
0041	71	695369	1" dia., Keyway, tapped 3/8-24	2-29/32(c)	10:30	M	AG/R/MF	X	X	X	4	3600	• ?
205452													
0049	65	695817	6 to 1 gear reduction ccw rotation gear shaft, 1" dia Keyway	2-29/32(a)	10:30	M	AG/R/MF		X	X	4	3600	
205457													
0050	84	695817	6 to 1 gear reduction ccw rotation gear shaft, 1" dia Keyway	2-29/32(a)	10:30	M	AG/R/MF		X	X	4	3600	?

• Ball bearing PTO? Engine equipped with 12 Volt Gear Drive Starter and 10 Amp DC Alternator with Starter Panel Assembly.

BRIGGS and STRATTON ENGINES



RE-POWERING GUIDELINES

If replacing a Briggs & Stratton engine with a Briggs & Stratton engine, provide 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 horsepower and features of the original engine plus the expected work cycle be a guide 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.

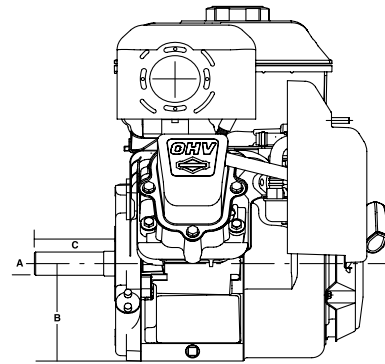
- **Vanguard™ OHV** (overhead valve) engines are maximum performance, cast iron cylinder sleeve engines - select for continuous heavy duty applications.
- **Industrial Plus™ and I/C®** (Industrial/Commercial) engines are cast iron cylinder sleeve, side valve engines - select for medium duty commercial, industrial and rental use.
- **Standard** engines are aluminum cylinder bore, side valve engines - select for general consumer use.

2. Safety Points

For many safe hours of operation, it is important to maintain the original engine's same horsepower, starter type and position, fuel tank location, fuel line routing, muffler location, exhaust direction and muffler accessories (i.e., deflector, spark arrestor, etc.). Reinstall all guards, shields and safety devices. Replace missing, worn or damaged parts.

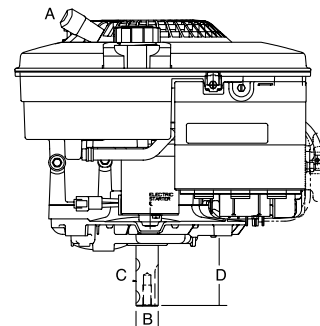
3. Horizontal Crankshaft Engines

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



4. Vertical Crankshaft Engines

- Compare overall engine size for possible mounting interference
- Match starter type and starter grip position "A"
- Match crankshaft's
 - Diameter "B"
 - Keyway type "C"
 - Length "D" (distance from mounting face of sump - not oil seal - to end of crankshaft)
- Match mounting base dimensions and bolt holes spacing



WARNING

Briggs & Stratton does not approve or authorize the use of these engines on 3-wheel All Terrain Vehicles (ATVs), motor bikes, fun/recreational go-karts, aircraft products or vehicles intended for use in competitive events. Use of these engines in such applications could result in property damage, serious injury (including paralysis), or even death.

BRIGGS and STRATTON ENGINES

YOUR KEY TO THE WORLD'S FINEST ENGINES

This chart explains the unique Briggs & Stratton numerical model designation system. It is possible to determine 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

<u>A</u>	<u>FIRST DIGIT AFTER DISPLACEMENT</u> <u>B</u>	<u>SECOND DIGIT AFTER DISPLACEMENT</u> <u>C</u>	<u>THIRD DIGIT AFTER DISPLACEMENT</u> <u>D</u>	<u>FOURTH DIGIT AFTER DISPLACEMENT</u> <u>E</u>
<u>CUBIC INCH DISPLACEMENT</u>	<u>BASIC DESIGN SERIES</u>	<u>CRANKSHAFT ORIENTATION</u>	<u>PTO BEARING, REDUCTION GEAR, AUXILIARY DRIVE, LUBRICATION?</u>	<u>TYPE OF STARTER</u>
?5	0	0 to 4 – Horizontal Shaft	0 – Plain Bearing/DU Non-Flange Mount	0 – Without Starter
?6	1	5 to 9 – Vertical Shaft		1 – Rope Starter
?8	2		1 – Plain Bearing Flange Mounting	2 – Rewind Starter
?9	3	A to G – Horizontal Shaft		3 – Electric Starter Only
10	4	H to Z – Vertical Shaft	2 – Sleeve Bearing Flange Mounting Splash Lube	110 or 230 Volt Gear Drive
11	5		3 – Ball Bearing Flange Mounting Splash Lube	4 – Electric Starter/110 or 230 Volt Gear Drive with Alternator
12	6		4 – Ball Bearing Flange Mounting Pressure Lubrication	5 – Electric Starter Only
13	7		5 – Plain Bearing Gear Reduction (6 to 1) CCW Rotation Flange Mounting	12 or 24 Volt Gear Drive
16	8		6 – Ball Bearing Gear Reduction (2 to 1) CCW Rotation	6 – Alternator Only
18	9		7 – Plain Bearing Pressure Lubrication	7 – Electric Starter
19	A to Z		8 – Plain Bearing Auxiliary Drive (PTO) Perpendicular to Crankshaft	12 or 24 Volt Gear Drive with Alternator and Inverter
20			9 – Plain Bearing Auxiliary Drive Parallel to Crankshaft	
21			A – Plain Bearing Pressure Lubrication Without Oil Filter	
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EXAMPLE – To identify Model 303447:

<u>30</u>	<u>3</u>	<u>4</u>	<u>4</u>	<u>7</u>
30 Cubic Inch	Design Series 3	Horizontal Shaft	Ball Bearing Flange Mounting Pressure Lubrication	Electric Starter 12 or 24 Volt Gear Drive with Alternator

TYPE 1234-01 The type number identifies the engines mechanical parts, color of paint, decals, governed speed, Original Equipment Manufacturer.

CODE 01061201 The code is the manufacturing date and is read as follows:

<u>YEAR</u>	<u>MONTH</u>	<u>DAY</u>	<u>ASSEMBLY LINE AND MANUFACTURING PLANT</u>
01	06	12	01