

VANGUARD™

COMMERCIAL POWER

BRIGGS & STRATTON



TRUST THE POWER™

Vanguard™
BIG BLOCK™ V-Twin Engines
25.0 - 37.0 GROSS HP*

Performance That Lives Up to Its Name.

BIG BLOCK™ V-Twin Engines

In your business, downtime is not an option. That's why we engineered our lineup of Vanguard™ BIG BLOCK™ V-Twin engines to handle the most challenging applications with dependable engine power, performance and reliability. Around the clock, it's performance you can count on.

INNOVATIVE

- > We listened and fulfilled an unmet need to deliver a new level of power and performance for heavy-duty commercial applications.

PROVEN

- > From mud boats to commercial mowers, to concrete trowels and more, BIG BLOCK™ engines continue to prove themselves in a diverse and demanding set of applications.

TRUSTED

- > The industries we serve have come to trust the BIG BLOCK™ name and know we deliver on power and service. Every time.

33.0, 35.0 GROSS HP*

35.0, 37.0 GROSS HP* WITH EFI

993cc H/S

25.0, 27.0, 29.0, 31.0 GROSS HP*

33.0 GROSS HP* WITH EFI

896cc H/S

36.0 GROSS HP*

35.0, 37.0 GROSS HP* WITH EFI

993cc V/S

28.0, 30.0, 32.0 GROSS HP*

33.0 GROSS HP* WITH EFI

896cc V/S



*All power levels are stated gross HP at 3,600 RPM per SAE J1940 as rated by Briggs & Stratton.



KEY FEATURES	HIGHER DURABILITY	SUPERIOR AIR MANAGEMENT	REDUCED NOISE, VIBRATION & HARSHNESS
Heavy-Duty Cylinder and Sump	●		
High-Efficiency Head Design	●		
Forged Connecting Rods	●		
High-Capacity Oil Pump	●		
Cast Aluminum Valve Covers	●		●
Dynamically-Balanced Crankshaft	●		●
Automotive Material Pistons	●		
Cyclonic Air Cleaner	●	●	
Metal Rotating Screen		●	
Controls Inspection Panel		●	
High-Flow Blower Housing and Static Guard		●	
Balanced Flywheel			●

FUEL YOUR PRODUCTIVITY USING LESS FUEL.



By adding closed-loop EFI, our BIG BLOCK™ engines deliver easier starting and fuel savings of up to 25% over carbureted equivalents. That means you can do more with every tank of gas. EFI should not be a one-size fits all solution. We designed our Vanguard EFI systems to prioritize the benefits of electronic fuel injection to maximize productivity where it matters most in each application and environment. It's EFI done right.

VANGUARD EFI MEANS

UP TO 25% FUEL SAVINGS[†]

as fuel is delivered more efficiently

NO CHOKE, NO HASSLE STARTING

regardless of temperature and pressure

MORE POWER

to get more done

LOAD PICKUP

with on-demand power

ALTITUDE COMPENSATION

for worry-free performance at all altitudes

STALE FUEL RESISTANCE

so your engine is ready when you are

[†] Closed-loop EFI system fuel savings may vary based on cutting conditions and other factors.

GETTING THE JOB DONE.

ENGINE TECHNICAL SPECIFICATIONS

* All power levels are stated gross HP at 3,600 RPM per SAE J1940 as rated by Briggs & Stratton.
 † Closed-loop EFI system fuel savings may vary based on cutting conditions and other factors.



CARBURETED H/S

EFI H/S

CARBURETED V/S

EFI V/S

ENGINE	25.0/27.0/29.0/31.0/ 33.0/35.0 Gross HP*	33.0/35.0/37.0 Gross HP*	28.0/30.0/32.0/ 36.0 Gross HP*	33.0/35.0/37.0 Gross HP*
DISPLACEMENT cc/CID	896/54.68, 993/60.60	896/54.68, 993/60.60	896/54.68, 993/60.60	896/54.68, 993/60.60
BORE in.	3.37	3.37	3.37	3.37
STROKE in.	3.07, 3.41	3.41	3.07, 3.41	3.07, 3.41
WEIGHT lbs.	125	125	125	125
LENGTH in./mm.	14.92/379.0	14.92/379.0	23.66/601.0	23.66/601.0
WIDTH in./mm.	19.53/496.0	19.53/496.0	20.24/514.0	20.24/514.0
HEIGHT in./mm.	28.54/725.0	28.54/725.0	24.65/626.0	24.65/626.0
OIL CAPACITY oz.	78	78	82	82
VALVE CONFIGURATION	Overhead Valve (OHV)	Overhead Valve (OHV)	Overhead Valve (OHV)	Overhead Valve (OHV)
CYLINDER	Dura-Bore™ Cast Iron Cylinder Sleeve	Dura-Bore™ Cast Iron Cylinder Sleeve	Dura-Bore™ Cast Iron Cylinder Sleeve	Dura-Bore™ Cast Iron Cylinder Sleeve
AIR CLEANER	5" Cyclonic Air Cleaner	5" Cyclonic Air Cleaner	5" Cyclonic Air Cleaner	5" Cyclonic Air Cleaner
IGNITION	Magnetron®	ECM-Fired Transistor	Magnetron®	ECM-Fired Transistor
LUBRICATION	Full Pressure Lube	Full Pressure Lube	Full Pressure Lube	Full Pressure Lube

OPTIONS

OIL GUARD	●	●	●	●
KEY SWITCH	●	●	●	●
OIL PRESSURE SWITCH	●	●	●	●
LOW PROFILE AND CYCLONIC AIR CLEANERS	●	●	●	●
FLYWHEEL STUB SHAFT	●	●	●	●
ENGINE MOUNTED CHOKE AND THROTTLE CONTROL	●	●	●	●
TACH/HOUR METER WITH CHECK ENGINE LIGHT		●		●
DIRECT THROTTLE CONTROL		●		●
LOW IDLE SPEED CONTROL		●		●

BRIGGS & STRATTON COMMERCIAL POWER

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Briggs & Stratton has a policy of continuous product improvement and reserves the right to modify its specifications at any time and without prior notice.
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See www.vanguardengines.com/service-support/warranty for warranty details.