

# VANGUARD®



## Vanguard® Small Block V-Twin Engines

13.0–23.0 GROSS HP\*

**MAKE A POWER STATEMENT**



BRIGGS & STRATTON  
CORPORATION



# The Small Solution to Your Biggest Challenges.

## Small Block V-Twin Engines

You asked for a light, compact engine tough enough for the most grueling commercial applications. Vanguard power application experts responded with our Small Block V-Twin engine lineup. Available with a horizontal or vertical shaft, these powerhouses are engineered with an array of advanced technologies and integrated components. They're ready when you are to tackle your toughest jobs.

### LOW PROFILE

- > Dual-Clean air cleaner gives you superior air filtering while fitting in a smaller space.

### EASY STARTING

- > Featuring our Magnetron® Electronic Ignition for quick, dependable starting with no maintenance required.

### PROUDLY MADE IN THE U.S.A.

- > Hand-assembled, meticulous craftsmanship. It's not a lost art. It's how we build each Small Block V-Twin engine right here in Statesboro, Georgia. No shortcuts. Just timeless American quality.

**13.0, 16.0 GROSS HP<sup>1</sup> H/S**  
**16.0 GROSS HP<sup>1</sup> V/S**  
479cc H/S

**18.0 GROSS HP<sup>1</sup>**  
570cc

**21.0, 23.0 GROSS HP<sup>1</sup>**  
627cc H/S



<sup>1</sup>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
Oil Cooler	●		
High-Efficiency Head Design	●		
Dual-Bore Cast Iron Cylinder Sleeve	●		
Low-Profile Dual-Clean Air Cleaner	●	●	
Poly-Core Blower Housing		●	
Lightweight Piston & Ring Package	●		●
Dynamically Balanced Crankshaft	●		●
Cooler, Cleaner Technology	●		●

## RELIABLE STARTING AND RESPONSIVE POWER WHEN YOU NEED THEM MOST



There's no time for hard-to-start engines. Vanguard Small Block engines with EFI fire up fast and provide instant performance you can rely on. With improved power and load pickup, stale fuel resistance and altitude compensation, Vanguard commercial engines with EFI consistently deliver in the clutch.

## KNOWLEDGE IS POWER

### POWER CODES

All Vanguard engines come with an easily accessible Power Code QR code. Just scan it with your mobile device to instantly get troubleshooting information for your specific engine, including:

- Engine-model-specific operator's manuals
- Illustrated parts list
- Maintenance instructions and schedules
- Dealer locator
- In-field support



<sup>1</sup>See [vanguardpower.com/service-support/warranty](http://vanguardpower.com/service-support/warranty) for warranty details.

## GETTING THE JOB DONE

# ENGINE TECHNICAL SPECIFICATIONS



ENGINE	13.0/16.0 Gross HP <sup>2</sup> H/S	16.0 Gross HP <sup>2</sup> V/S	18.0 Gross HP <sup>2</sup>	21.0/23.0 Gross HP <sup>2</sup>
DISPLACEMENT cc/CID	479/29.23	479/29.23	570/34.78	627/38.26
BORE in.	2.68	2.68	2.83	2.97
STROKE in.	2.60	2.60	2.76	2.76
WEIGHT lbs.	72	72	74	77
LENGTH in./mm.	10.98/278.9	10.98/278.9	12.52/318.0	12.52/318.0
WIDTH in./mm.	16.14/410.0	16.14/410.0	16.14/410.0	16.02/407.0
HEIGHT in./mm.	17.24/437.9	17.24/437.9	17.24/437.9	17.68/449.0
OIL CAPACITY oz.	48	48	48	48
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	Low Profile Dual-Clean™ Air Cleaner	Low Profile Dual-Clean™ Air Cleaner	Low Profile Dual-Clean™ Air Cleaner	Low Profile Dual-Clean™ Air Cleaner
IGNITION	Magnetron*	Magnetron*	Magnetron*	Magnetron*
LUBRICATION	Full-Pressure Lube	Full-Pressure Lube	Full-Pressure Lube	Full-Pressure Lube

## OPTIONS

SOLENOID SHIFT, HEAVY-DUTY INERTIA DRIVE & REWIND ROPE STARTERS	●	●	●	●
KEY SWITCH & STARTER SOLENOIDS	●	●	●	●
OIL PRESSURE SWITCH	●	●	●	●
FLYWHEEL STUB SHAFT	●	●	●	●
CYCLONIC AIR CLEANERS	●	●	●	●
HIGH, LOW & SIDE MOUNT MUFFLERS	●	●	●	●
CARB COMPLIANT EVAP PURGE PORTS	●	●	●	●
RECOIL STARTER	●	●	●	●

### VANGUARD 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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