

VANGUARD®



Vanguard® Small Block V-Twin Engines

16.0 - 23.0 GROSS HP*

MAKE A POWER STATEMENT



The Small Solution to Your Biggest Challenges.

Small Block V-Twin Engines

You asked for a light, compact engine tough enough for the most gruelling 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 all while fitting in a smaller space.

EASY STARTING

- > Featuring our Magnetron Electronic Ignition for quick, dependable starts 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.

16.0 GROSS HP* H/S

16.0 GROSS HP* V/S

479cc

18.0 GROSS HP* H/S

18.0 GROSS HP* V/S

570cc

23.0 GROSS HP* H/S

23.0 GROSS HP* V/S

23.0 GROSS HP* H/S EFI/ETC

627cc



*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.

Vanguard ETC technology reacts instantaneously to any applied load from its environment to ensure consistent engine speed and maintain power when the application demands it.

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



*See vanguardpower.com for warranty details.
 *Feature available on select Vanguard 23.0 HP and 23.0 HP EFI/ETC engines.
 Optional feature on the Vanguard 18.0 HP.

GETTING THE JOB DONE ENGINE TECHNICAL SPECIFICATIONS



ENGINE	16.0 Gross HP* H/S	16.0 Gross HP* V/S	18.0 Gross HP* H/S
DISPLACEMENT cc/CID	479/29.23	479/29.23	570/34.78
BORE in.	2.68	2.68	2.83
STROKE in.	2.60	2.60	2.76
WEIGHT lbs.	72	72	74
LENGTH in./mm.	10.98/278.9	10.98/278.9	12.52/318.0
WIDTH in./mm.	16.14/410.0	16.14/410.0	16.14/410.0
HEIGHT in./mm.	17.24/437.9	17.24/437.9	17.24/437.9
OIL CAPACITY oz.	48	48	48
VALVE CONFIGURATION	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
AIR CLEANER	Low Profile Dual-Clean™ Air Cleaner	Low Profile Dual-Clean Air Cleaner	Low Profile Dual-Clean Air Cleaner
IGNITION	Magnetron	Magnetron	Magnetron
LUBRICATION	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	•	•	•

* All power levels are stated gross HP at 3,600 RPM per SAE J1940 as rated by Briggs & Stratton.
** See www.vanguardpower.com for warranty details.



ENGINE	18.0 Gross HP* V/S	23.0 Gross HP* V/S	23.0 Gross HP* H/S	23.0 Gross HP* EFI/ETC H/S
DISPLACEMENT cc/CID	570/34.78	627/38.26	627/38.26	627/38.26
BORE in.	2.83	2.97	2.97	2.97
STROKE in.	2.76	2.76	2.76	2.76
WEIGHT lbs.	74	77	77	77
LENGTH in./mm.	12.52/318.0	12.52/318.0	12.52/318.0	12.52/318.0
WIDTH in./mm.	16.14/410.0	16.02/407.0	16.02/407.0	16.02/407.0
HEIGHT in./mm.	17.24/437.9	17.68/449.0	17.68/449.0	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			
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

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* All power levels are stated gross HP at 3,600 RPM per SAE J1940 as rated by Briggs & Stratton.
† Low mount muffler not available.

VANGUARD

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WWW.VANGUARDPOWER.COM