VANGUARD®

BIG BLOCK™ V-TWIN ENGINES

33.0 - 40.0 GROSS HP* • 24,6 - 29,9 GROSS KW*



POWERING NEXT™

MAKE A POWER STATEMENT.

Vanguard® BIG BLOCK V-Twin Engines

POWER TO THE PEOPLE

> You demanded more power - and we delivered. In 2005, Vanguard pioneered the BIG BLOCK engine to answer customers' need for more power and performance for heavy-duty commercial applications. Today, we continue to listen to customers. Recent updates include: new designed cylinder heads and cooling components to improve operating temperatures and enhanced motor starter provides consistent, reliable power.

THE VERSATILE POWER SOURCE

> Whether powering mud boats, commercial mowers, concrete trowels or more, BIG BLOCK engines continue to prove themselves in an array of demanding applications.

POWER APPLICATION EXPERTS

> You don't just get an engine from Vanguard — you get world-class application and mechanical engineering, in-depth training and superior technical support. Plus, our Power Application Centers allow us to solve specific customer challenges or prove how new innovations will perform across markets.

UNPRECEDENTED 500-HOUR OIL CHANGE INTERVALS

> Our patented and exclusive Oil Guard™ System ensures your equipment stays operational, maximizing your profitability. This optional technology prolongs oil life while providing superior engine protection.
- 500-hour oil change interval for reduced downtime.
- Up to 60% savings on maintenance costs.
- Easy-fill cap and integrated oil filter make oil changes easier, cleaner and faster.
- High-capacity, 5-quart external oil reservoir keeps oil and engine cooler.
- The unique dry sump system ensures off-angle lubrication and minimizes thermal breakdown of oil.

ASSEMBLED IN THE U.S.A.

> Hand-assembled, meticulous craftsmanship. It's not a lost art. It's how we build each Vanguard BIG BLOCK engine right here in Auburn, Alabama. No short cuts. Just timeless American quality.

Vertical Shaft 993cc Engines
33.0 Gross HP* (24,6 Gross kW*) EFI/ETC
36.0 Gross HP* (26,8 Gross kW*)[2]
37.0 Gross HP* (27,6 Gross kW*) EFI/ETC
40.0 Gross HP* (29,9 Gross kW*) EFI/ETC
40.0 Gross HP* (29,9 Gross kW*) EFI – Marine[2]

Horizontal Shaft 993cc Engines
33.0 Gross HP* (24,6 Gross kW*)
33.0 Gross HP* (24,6 Gross kW*) EFI/ETC
35.0 Gross HP* (26,1 Gross kW*)
37.0 Gross HP* (27,6 Gross kW*) EFI/ETC
40.0 Gross HP* (29,9 Gross kW*) EFI/ETC
40.0 Gross HP* (29,9 Gross kW*) EFI – Marine[2]



Shown with optional Oil Guard System.

3 YEAR COMMERCIAL LIMITED WARRANTY[1]



KEY FEATURES	HIGHER DURABILITY	SUPERIOR AIR MANAGEMENT	REDUCED NOISE, VIBRATION & HARSHNESS
Heavy-Duty Cylinder & 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 & Static Guard		●	
Balanced Flywheel			●

[1]See vanguardpower.com for warranty details.

GET MORE POWER, USE LESS FUEL

EFI ELECTRONIC FUEL INJECTION

Adding electronic fuel injection (EFI) to our BIG BLOCK engines dramatically reduces fuel consumption compared to carbureted equivalents. And our engineers didn't just design Vanguard EFI to look good on paper; they made sure it delivers in real-world application environments.

CONSISTENT POWER

ETC ELECTRONIC THROTTLE CONTROL

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.

EXCEPTIONAL 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.

*All power levels are stated gross HP and gross kilowatts at 3,600 RPM per SAE J1940 as rated by Briggs & Stratton.
[1]ETC technology is available on the 40.0 Gross HP (29,9 Gross kW) V/S EFI engine.
[2]Not available for EMEA region.

GETTING THE JOB DONE

ENGINE TECHNICAL SPECIFICATIONS

3 YEAR COMMERCIAL LIMITED WARRANTY[1]



CARBURETED H/S



EFI H/S



CARBURETED V/S



EFI V/S

ENGINE	33.0, 35.0 Gross HP* (24,6, 26,1 Gross kW)*	33.0, 37.0, 40.0[2] Gross HP* (24,6, 27,6, 29,9 Gross kW)*	36.0 Gross HP* (26,8 Gross kW)*	33.0, 37.0, 40.0[3] Gross HP* (24,6, 27,6, 29,9 Gross kW)*
DISPLACEMENT cc/CID	993/60,60	993/60,60	993/60,60	993/60,60
BORE in/mm	3.37/85,5	3.37/85,5	3.37/85,5	3.37/85,5
STROKE in/mm	3.41/86,5	3.41/86,5	3.41/86,5	3.41/86,5
WEIGHT lbs/kg	125/56,7	125/56,7	125/56,7	125/56,7
LENGTH in/mm	14.92/379	14.92/379	23.66/601	22.09/601
WIDTH in/mm	19.53/496	19.53/496	20.24/514	20.24/514
HEIGHT in/mm	28.54/725	28.54/725	24.65/626	24.65/626
OIL CAPACITY oz/l	78/2,3	78/2,3	82/2,4	82/2,4
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 SYSTEM			●	●
KEY SWITCH	●	●		
OIL PRESSURE SWITCH	●	●	●	●
LOW-PROFILE	●	●	●	●
FLYWHEEL STUB SHAFT	●	●		
ENGINE-MOUNTED CHOKE AND/OR THROTTLE CONTROL	●	●		
TACH/HOUR METER WITH CHECK ENGINE LIGHT		●		●
DIRECT THROTTLE CONTROL[2]		●		●
LOW-IDLE SPEED CONTROL[2]		●		●

VANGUARD®

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*All power levels are stated gross HP and gross kilowatts at 3,600 RPM per SAE J1940 as rated by Briggs & Stratton.
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[2]For Marine application. Not available in EMEA region.
[3]ETC technology is available on the 33.0, 37.0 and 40.0 Gross HP (24,6, 27,6, 29,9 Gross kW) V/S EFI engines.

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