MAKE A POWER STATEMENT

Vanguard® BIG BLOCK™
V-Twin Engines
25.0–40.0 GROSS HP*

MAKE A POWER STATEMENT
GET MORE POWER, USE LESS FUEL
Adding closed-loop 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.

VANGUARD EFI MEANS:
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 at 3,600 RPM except 33.0, 35.0 GROSS HP with EFI at 3,300 RPM. See Vanguard® Power®/Facebook for warranty details.
## ENGINE TECHNICAL SPECIFICATIONS

### CARBURETED H/S
- **Engine**: 25.0/27.0/29.0/31.0/33.0/35.0 Gross HP<sup>3</sup>
- **Displacement**: 896/54.68, 993/60.60
- **Bore**: 3.37 in.
- **Stroke**: 3.07, 3.41 in.
- **Weight**: 125 lbs.
- **Length**: 14.92/379.0 in./mm.
- **Width**: 19.53/496.0 in./mm.
- **Height**: 28.54/725.0 in./mm.
- **Oil Capacity**: 78 oz.
- **Valve Configuration**: Overhead Valve (OHV)
- **Cylinder**: Dura-Bore™ Cast Iron Cylinder Sleeve
- **Air Cleaner**: 5" Cyclonic Air Cleaner
- **Ignition**: Magnetron®
- **Lubrication**: Full-Pressure Lube

### EFI H/S
- **Engine**: 33.0/35.0/37.0/40.0 Gross HP<sup>3</sup>
- **Displacement**: 896/54.68, 993/60.60
- **Bore**: 3.37 in.
- **Stroke**: 3.41 in.
- **Weight**: 125 lbs.
- **Length**: 14.92/379.0 in./mm.
- **Width**: 19.53/496.0 in./mm.
- **Height**: 28.54/725.0 in./mm.
- **Oil Capacity**: 78 oz.
- **Valve Configuration**: Overhead Valve (OHV)
- **Cylinder**: Dura-Bore™ Cast Iron Cylinder Sleeve
- **Air Cleaner**: 5" Cyclonic Air Cleaner
- **Ignition**: ECM-Fired Transistor
- **Lubrication**: Full-Pressure Lube

### CARBURETED V/S
- **Engine**: 28.0/30.0/32.0/36.0 Gross HP<sup>3</sup>
- **Displacement**: 896/54.68, 993/60.60
- **Bore**: 3.37 in.
- **Stroke**: 3.41 in.
- **Weight**: 125 lbs.
- **Length**: 23.66/601.0 in./mm.
- **Width**: 20.24/514.0 in./mm.
- **Height**: 24.65/626.0 in./mm.
- **Oil Capacity**: 82 oz.
- **Valve Configuration**: Overhead Valve (OHV)
- **Cylinder**: Dura-Bore™ Cast Iron Cylinder Sleeve
- **Air Cleaner**: 5" Cyclonic Air Cleaner
- **Ignition**: Magnetron®
- **Lubrication**: Full-Pressure Lube

### EFI V/S
- **Engine**: 33.0/35.0/37.0/40.0 Gross HP<sup>3</sup>
- **Displacement**: 896/54.68, 993/60.60
- **Bore**: 3.37 in.
- **Stroke**: 3.41 in.
- **Weight**: 125 lbs.
- **Length**: 23.66/601.0 in./mm.
- **Width**: 20.24/514.0 in./mm.
- **Height**: 24.65/626.0 in./mm.
- **Oil Capacity**: 82 oz.
- **Valve Configuration**: Overhead Valve (OHV)
- **Cylinder**: Dura-Bore™ Cast Iron Cylinder Sleeve
- **Air Cleaner**: 5" Cyclonic Air Cleaner
- **Ignition**: ECM-Fired Transistor
- **Lubrication**: Full-Pressure Lube

### OPTIONS
- **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**: •

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1 See vanguardpower.com/service-support/warranty for warranty details.
2 For Marine Application.
3 All power levels are stated gross HP at 3,600 RPM per SAE J1940 as rated by Briggs & Stratton.