



VANGUARD®

**EFI & ETC
FOR TURF
& UTILITY**

TECHNOLOGY & INNOVATION



TRUST VANGUARD POWER.™

EFI DONE RIGHT.

EFI should not be a one-size fits all solution. The Vanguard® EFI systems were designed to prioritize the benefits of electronic fuel injection to maximize productivity where it matters most, in each application and environment to ensure top engine performance. It's our way of making sure EFI is done the right way.



HOW IT WORKS

Vanguard EFI technology utilizes the Engine Control Module (ECM) to tune every single operating point unique to the engine. It takes in all of the signals from the engine sensors to make cycle-by-cycle decisions on how much fuel and spark to provide the engine and when.



POWER TO PERFORM.

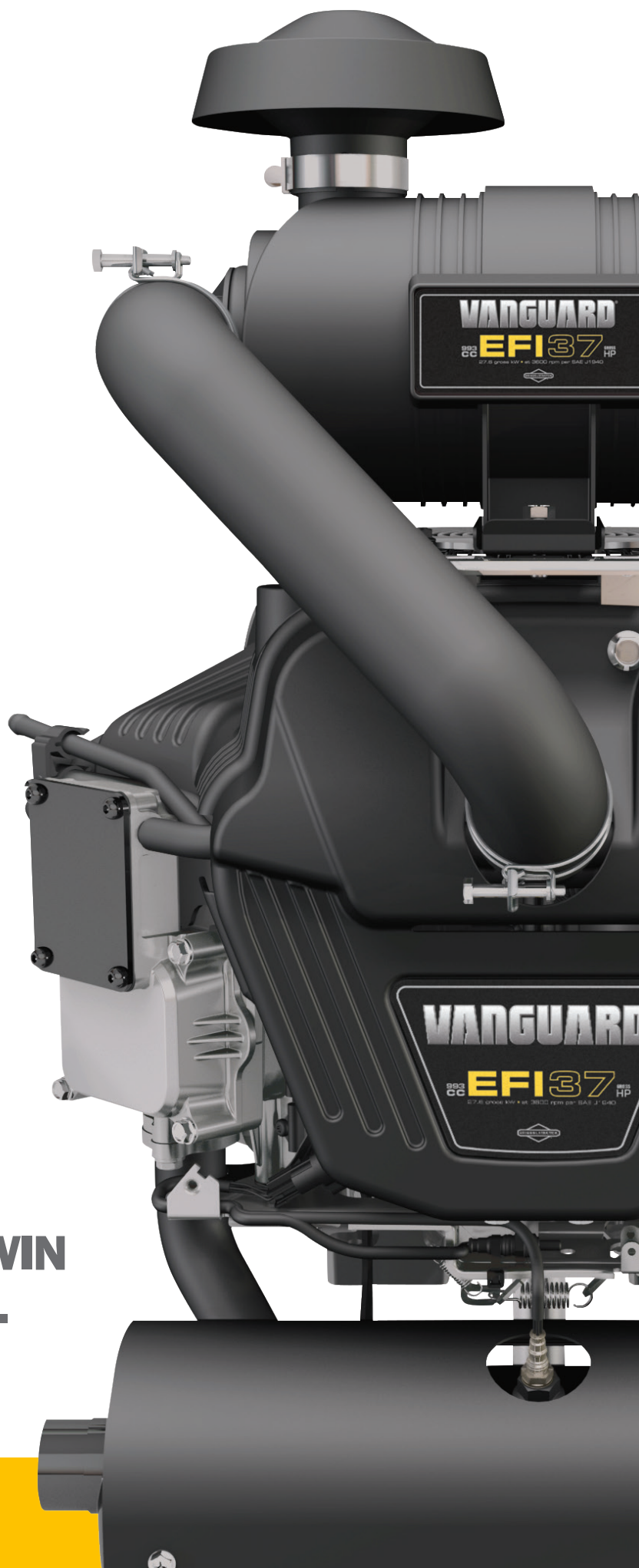


HOW IT WORKS

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

The flywheel speed sensor detects any change in RPM and sends a signal to the throttle body, ensuring consistent engine speed - which means consistent power and when the application demands it.

BOTH ADD UP TO A BIG WIN FOR YOUR BOTTOM LINE.



ENGINE TECHNICAL SPECIFICATIONS

AVAILABLE ON



**810cc V-TWIN
ENGINES**



**SMALL BLOCK
V-TWIN ENGINE**



**BIG BLOCK™
V-TWIN ENGINES**

POWER LEVEL GROSS HP* (GROSS KW)*	26.0 (19,4) 28.0 (20,9)	23.0 (17,2)	33.0 (24,6) 35.0 (26,1) 37.0 (27,6) 40.0 (29,9) [†]
SHAFT	Vertical	Horizontal	Vertical Horizontal

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

[†]ETC technology is available on the 40.0 Gross HP V/S EFI engine.

EFI IN ALL THE RIGHT PLACES



**BIG BLOCK and
810cc EFI Commercial Turf**



**BIG BLOCK
EFI Construction**



**Small Block
EFI Fire/Rescue**

FUEL SAVINGS	•	•	
LOAD GOVERNANCE	•		•
INCREASED POWER	•	•	
STARTABILITY	•	•	•
ALTITUDE COMPENSATION	•	•	•
THROTTLE RESPONSE	•	•	

VANGUARD®

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