

GE  
Transportation  
Stationary Power

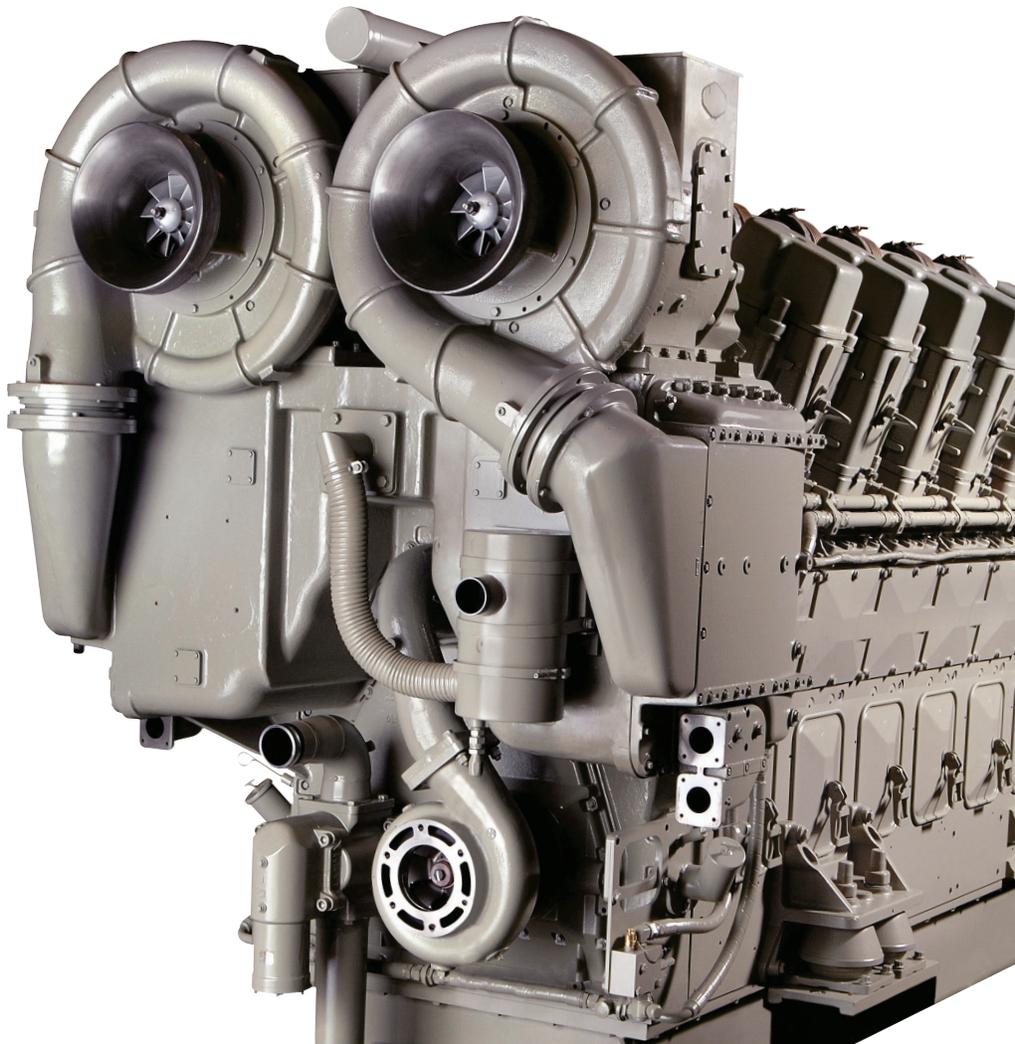
# Command performance

GE's new advanced V250 diesel engines

It's our best engine yet—the most technologically advanced, fuel-efficient, environmentally compatible diesel engine ever built by GE. In the new V250, we've combined key features of earlier engine designs with enhancements proven to deliver performance and operating advantages.

- Improved fuel management, a new combustion system design and refined cooling that together provide greater fuel savings while meeting the latest emissions requirements.
- A relatively large bore engine design with a narrow overall width and lighter weight, packing a lot of power into a compact footprint.
- Designed-in reliability and maintainability—every critical component engineered, manufactured and tested for dependability and with features that simplify maintenance.

A complete V250 gen set package can be provided in a fully enclosed or skid-mounted unenclosed configuration, based on each customer's unique operating requirements.



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# V250 engine specifications

Electronic Fuel Injected (EFI)		
Item	12V250	16V250
<b>Engine Data</b>		
Number of cylinders	12	16
Stroke cycle	4	4
Cylinder arrangement	45-degree V	45-degree V
Bore	250 mm (9.8 in)	250 mm (9.8 in)
Stroke	320 mm (12.6 in)	320 mm (12.6 in)
Compression ratio	16.8:1	16.8:1
Full Rated Speed	1050 rpm	1050 rpm
<b>Power Output at 1000 rpm</b>		
Continuous	2907 kWe	3876 kWe
Maximum	3197 kWe	4263 kWe
<b>Power Output at 900 rpm</b>		
Continuous	2617 kWe	3487 kWe
Maximum	2878 kWe	3837 kWe
<b>Engine Dimensions</b>		
Height w/shallow pan	2717mm (107 in)	2717 mm (107 in)
Length	4154 mm (164 in)	4988 mm (196 in)
Width	1708 mm (67 in)	1708 mm (67 in)
Dry Weight	19,563 kg (43,310 lbs)	23,491 kg (51,790 lbs)

## V250 engine components

### Advanced EFI

## Proven performance and operating advantages

Precise fuel control, increased pressure capability and refined timing for greater efficiency at varying speeds and loads

### Higher-efficiency turbocharger

Improved bearing strength, better rotor dynamics, a cooled housing and integrated packaging for higher performance and reliability

### Sturdy mainframe

High-strength, ductile-iron construction with improved ribbing in cross-bolt area

### Heavy-duty crankshaft

Forged steel, nitride-hardened, single-piece construction

### Improved power assembly

Refined flow path for enhanced combustion, better fuel efficiency and lower emissions  
Easy removal of cylinder head, liner, piston and connecting rod as a single assembly

### Segmented camshaft

Arranged in individual sections for easy inspection and maintenance

### To learn more:

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