

DETROIT DIESEL



SERIES 60[®] Truck Power

Number of Cylinders	6 Inline	
Air System	Turbocharged Air-to-Air Charge Cooling	
Control	DDEC [®]	
Specifications	12.7L	14.0L
Bore and Stroke	5.12 in x 6.30 in (130 mm x 160 mm)	5.24 in x 6.62 in (133 mm x 168 mm)
Displacement	778 cu in (12.7 liters)	858 cu in (14.0 liters)
Compression Ratio	17.25:1	16.75:1
Dimensions: (approx.)		
Length	57 in (1448 mm)	57 in (1448 mm)
Width	34 in (864 mm)	34 in (914 mm)
Height	50 in (1273 mm)	50 in (1273 mm)
Weight (dry)	2640 lbs (1199 kg)	2640 lbs (1199 kg)



Ratings 380 - 515 Horsepower

Maximum HP @ RPM	Peak Torque @ RPM
12.7L	
390 HP @ 1800 RPM	1350FT-LB @ 1200 RPM
380 HP @ 1800 RPM	1350FT-LB @ 1200 RPM
380/390 HP @ 1800 RPM	1350FT-LB @ 1200 RPM
445 HP @ 1800 RPM	1450FT-LB @ 1200 RPM
435 HP @ 1800 RPM	1450FT-LB @ 1200 RPM
425 HP @ 1800 RPM	1450FT-LB @ 1200 RPM
425/445 HP @ 1800 RPM	1450FT-LB @ 1200 RPM
455 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
450 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
445 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
445/455 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
14.0L	
490 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
455 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
455/490 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
515 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
490 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
455 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
455/515 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
515 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
490 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
470 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
470/515 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
470 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
470/515 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
490 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
470 HP @ 1800 RPM	1650FT-LB @ 1200 RPM
470/490 HP @ 1800 RPM	1650FT-LB @ 1200 RPM

Series 60 Features

Cylinder Head

- Better air flow for improved performance

Camshaft / Overhead

- Optimized injector and valve events
- Ceramic intake, exhaust and injector rollers
- Better roller durability under adverse conditions

One Piece (Monotherm) Piston

- Reduced friction
- Closed oil gallery
- Improved ring cooling
- Higher compression ratio
- Lower ring / liner wear
- Reduced oil soot loading
- Better cold engine performance with higher C/R

EGR Cooler

- Tube in shell design for improved durability
- Improved efficiency
- Simpler stainless steel housing with less welding
- 10 lb. weight reduction

New Injector

- Improved end of injection quality and faster response time for better efficiency
- Reduced weight - 2.5 lbs.
- Stainless steel injector sleeve replaces copper tube

DDEC V - Detroit Diesel Electronic Controls

- Increased capability for future needs
- Improved reliability

Series 60 Continues To Provide Truckers With The Best Combination Of:

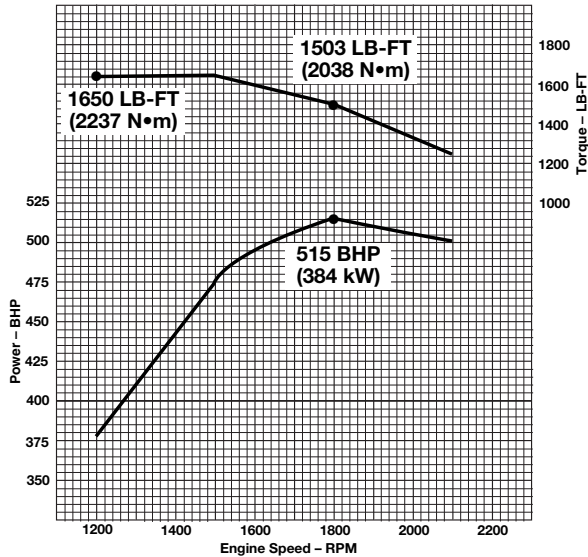
- | | |
|---------------------------------------|-----------------------------|
| ■ Performance | ■ Fuel Economy |
| ■ Reliability | ■ Low Cost Of Operation |
| ■ Proven Durability | ■ Driver Satisfaction |
| ■ High Residual Value | ■ Proven Electronics - DDEC |
| ■ Flexible Power Ratings | |
| ■ Excellent Parts And Service Support | |

Reliability, Performance & Fuel Economy Leader

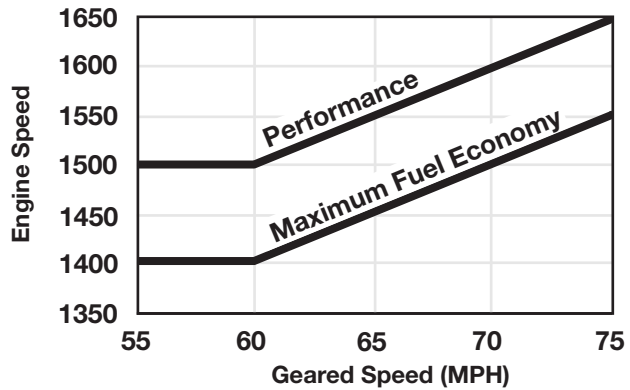
Photograph illustrates a typical truck engine
Rating conditions of SAE: 77°F (25°C) and 29.31 in Hg (99 kPa) Barometer (Dry)

For a complete listing of standard and optional equipment, consult your distributor or authorized Detroit Diesel Corporation representative.

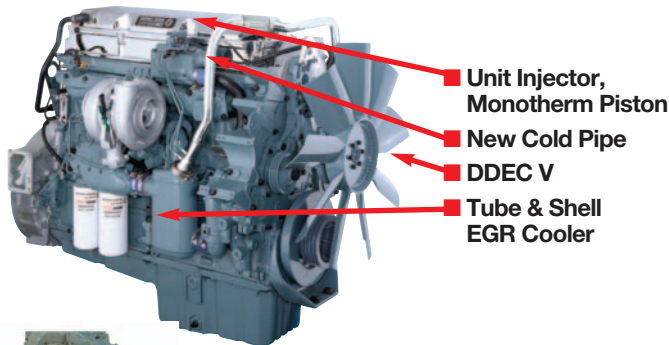
Series 60 - 515 HP



380-515 HP Gearing Recommendation Chart



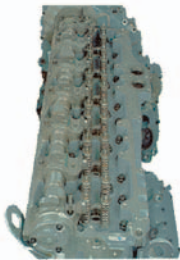
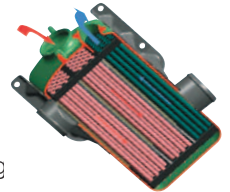
What's New - It's Simple



- Unit Injector, Monotherm Piston
- New Cold Pipe
- DDEC V
- Tube & Shell EGR Cooler



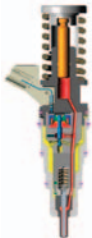
- EGR Cooler
 - Tube In Shell Design For Improved Durability
 - Improved Efficiency
 - Simpler Stainless Steel Housing With Less Welding
 - 10 Lb. Weight Reduction



- Cylinder Head
 - Better Air Flow For Improved Performance
- Camshaft / Overhead
 - Optimized Injector And Valve Events
 - Ceramic Intake, Exhaust and Injector Rollers For Better Roller Durability Under Adverse Conditions

■ New Fuel Injector

- Improved End Of Injection Quality And Faster Response Time For Better Efficiency
- Reduced Weight - 2.5 Lbs.
- Stainless Steel Injector Sleeve Replaces Copper Tube



- One Piece (Monotherm) Piston
 - Reduced Friction For Improved Performance
 - Closed Oil Gallery For Improved Ring Cooling And Longer Life
 - Higher Compression Ratio For Better Cold Weather Starting



- Electronic Controls - DDEC V
 - Increased Capability For Future Needs Power
 - Improved Reliability

DETROIT DIESEL

A DaimlerChrysler Company



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