

DETROIT DIESEL

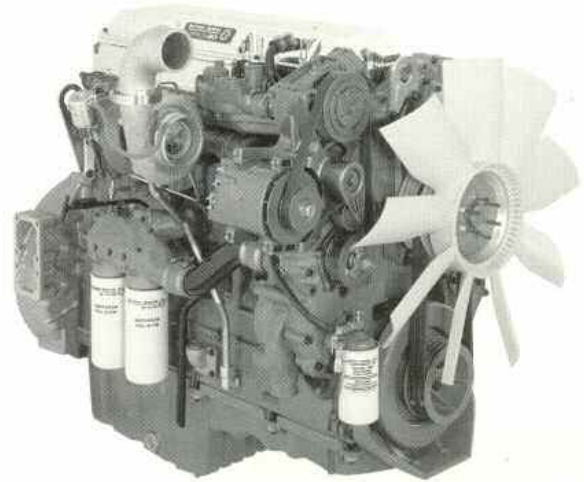


SERIES 60[®]
370-500 HP

Truck

Specifications

Number of Cylinders	6 Inline
Air System	Turbocharged Air-to-Air Charge Cooling
Control	DDEC [®]
Bore and Stroke	5.12 in x 6.30 in (130 mm x 160 mm)
Displacement	778 cu in (12.7 liters)
Compression Ratio	15.0 to 1
Weight (dry)	2610 lbs (1184 kg)



Ratings

Maximum HP @ RPM	Peak Torque @ RPM
370 HP @ 1800 RPM	1450FT-LB @ 1200 RPM
400 HP @ 1800 RPM	
430 HP @ 1800 RPM	
370/430 @ 1800 RPM CP	
370 HP @ 2100 RPM	1450FT-LB @ 1200 RPM
400 HP @ 2100 RPM	
430 HP @ 2100 RPM	
370/430 @ 2100 RPM CP	
370 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
400 HP @ 1800 RPM	
430 HP @ 1800 RPM	
370/430 @ 1800 RPM CP	
370 HP @ 2100 RPM	1550FT-LB @ 1200 RPM
400 HP @ 2100 RPM	
430 HP @ 2100 RPM	
370/430 @ 2100 RPM CP	
370 HP @ 1800 RPM	1550FT-LB @ 1200 RPM
430 HP @ 1800 RPM	
430/470 @ 1800 RPM CP	
370 HP @ 2100 RPM	1550FT-LB @ 1200 RPM
430 HP @ 2100 RPM	
430/470 @ 2100 RPM CP	
470 HP @ 2100 RPM	1550FT-LB @ 1200 RPM
500 HP @ 2100 RPM	
470/500 @ 2100 RPM CP	
430 HP @ 2100 RPM	1650FT-LB @ 1200 RPM
430/500 @ 2100 RPM CP	
430 HP @ 2100 RPM	1650FT-LB @ 1200 RPM
470 HP @ 2100 RPM	
500 HP @ 2100 RPM	
430/500 @ 2100 RPM CP	

Features

Overhead cam design for fast response, excellent performance with fewer parts to maintain.

4 valves per cylinder with short intake and exhaust ports for better air flow and increased performance.

Wastegated turbocharger combined with a pulse tuned exhaust manifold provides better acceleration at low and mid range engine speeds.

The only engine to break .300 brake specific fuel consumption.

One piece head features 8 bolts per cylinder creating over one million pounds of clamping force to the block.

Improved engine brake provides up to 425 braking horsepower.

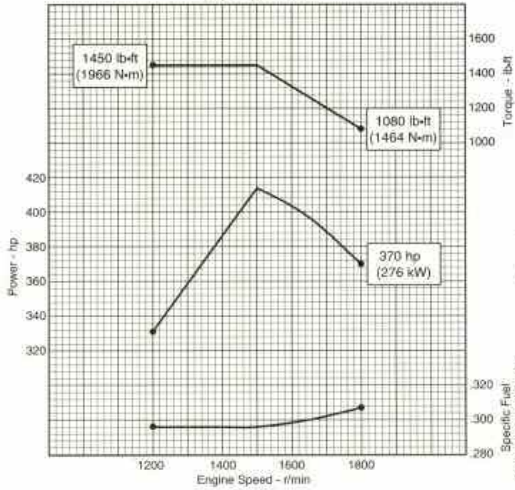
Detroit Diesel Electronic Controls (DDEC) is the most advanced engine management system available. This fourth generation system features state-of-the-art diagnostics for critical engine functions, clock, calendar, and data recorder.

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

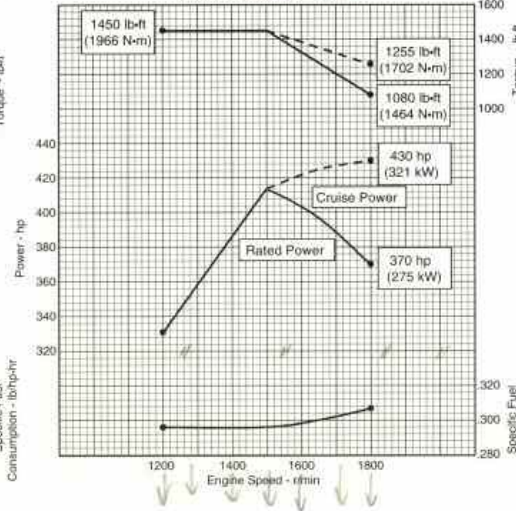
For a complete listing of standard and optional equipment, consult your distributor or authorized Detroit Diesel Corporation representative.

Performance Curves

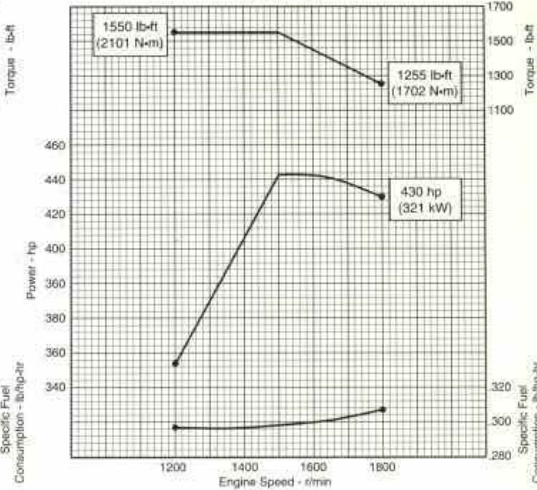
370 HP



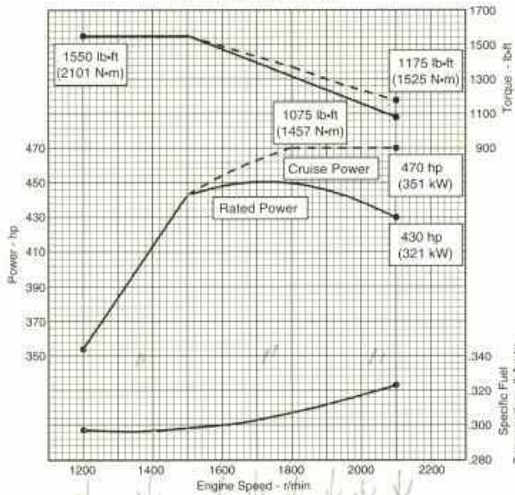
370/430 HP



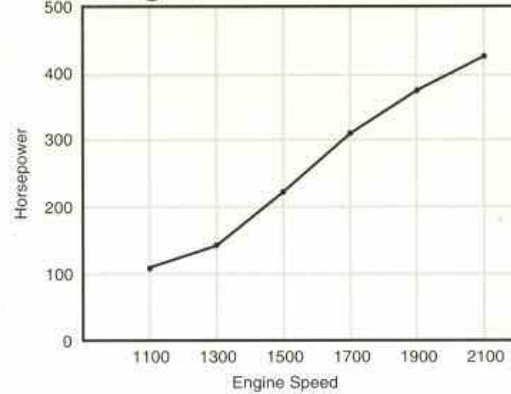
430 HP



430/470 HP



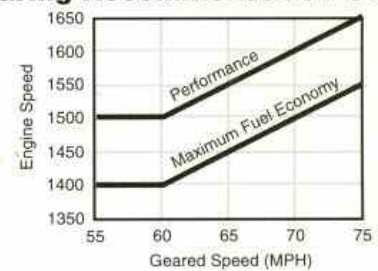
S60 370-500 HP Engine Brake Performance



Gearing Recommendations

Detroit Diesel recommends that on-highway 80,000 lb. applications select gearing that will result in an engine speed of 1450-1550 rpm at 65 mph. Selecting drivetrain components that satisfy these recommendations will provide an optimum balance between performance and fuel economy. Please use the chart as a guideline.

Gearing Recommendation Chart



Series 60 Engine 24 Hour Hot Line Phone 1-800-445-1980

DETROIT DIESEL
CORPORATION



13400 Outer Drive, West / Detroit, Michigan 48239-4001
Telephone 313-592-5000
www.detroitdiesel.com

