

Typical 4-53T  
Truck Model



## specifications

Basic Engine	4-53TC California 5A60 Injectors	4-53T Federal 5A60 Injectors
Model	5047-5340	5047-5340
Engine Type	Two Cycle	Two Cycle
Number of Cylinders	4	4
Bore and Stroke	3.875 in x 4.5 in (98 mm x 114 mm)	3.875 in x 4.5 in (98 mm x 114 mm)
Displacement	212 cu in (3.48 litres)	212 cu in (3.48 litres)
Rated Gross Power:		
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Barometer (Dry)	170 BHP (127 kW) @ 2500 RPM	170 BHP (127 kW) @ 2500 RPM
Torque:		
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Barometer (Dry)	402 lb ft (545 N·m) @ 1800 RPM	402 lb ft (545 N·m) @ 1800 RPM
Compression Ratio	18.7 to 1	18.7 to 1
Approximate Dimensions:		
Length	40 in (1016 mm)	40 in (1016 mm)
Width	32 in (813 mm)	32 in (813 mm)
Height	37 in (940 mm)	37 in (940 mm)
Net Weight (dry)	1230 lbs (558 kg)	1230 lbs (558 kg)

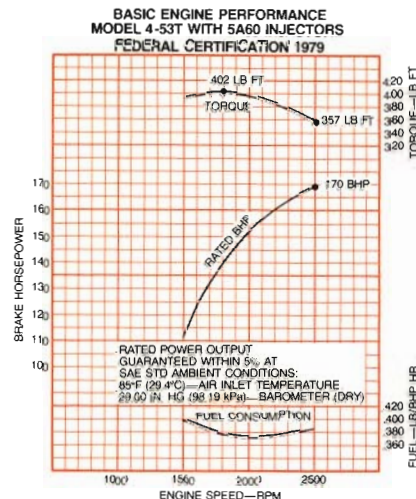
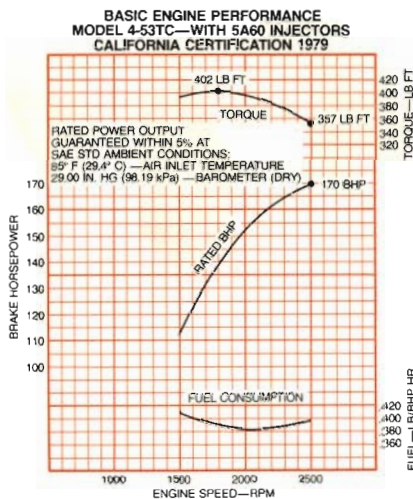
## Rating Explanation

**RATED BHP**—is the power rating for variable speed and load application where full power is required intermittently.

**FUEL CONSUMPTION CURVE** shows fuel used in pounds per brake horsepower hour.

THESE RATINGS do not include power requirements for accessory and standard equipment.

For complete engine specifications for your particular application, see your truck dealer or authorized Detroit Diesel Allison Representative.



## standard equipment

**Air Compressor**—7¼ CFM (.21 m<sup>3</sup>/min.)

**Air Inlet Housing**

**Crankshaft Pulley**

**Exhaust Manifold**

**FAN**—22 in (559 mm) 5-blade, suction

**Flywheel**—SAE #2

**Flywheel Housing**—SAE #2

**Fuel Filters**—Spin on

**Governor**—Limiting speed

**Injectors**—Cam operated, unit type, clean tip

**Lube Oil Cooler**

**Lube Oil Filter**—Full-flow

**Oil Pan and Oil Distribution System**—Stamped pan for 20° inclination angle

**Starting Motor**—12 volt

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

Specifications subject to change without notice.



**Detroit Diesel Allison**  
Division of General Motors Corporation

13400 West Outer Drive Detroit, Michigan 48228