

Typical 8V-71  
Truck Model

## specifications

### Basic Engine

### 8V-71 7E65 Injectors

Model	7087-7040
Engine Type	Two Cycle
Number of Cylinders	8
Bore and Stroke	4.25 in x 5 in (108 mm x 127 mm)
Displacement	568 cu in (9.32 litres)
Rated Gross Power:	
60°F (15.6°C) and 29.92 in Hg (101.31 kPa) Barometer (Dry)	318 BHP (237 kW) @ 2100 RPM
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Barometer (Dry)	304 BHP (227 kW) @ 2100 RPM
Torque:	
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Barometer (Dry)	818 lb ft (1109 N•m) @ 1400 RPM
Compression Ratio	18.7 to 1
Approximate Dimensions:	
Length	47 in (1194 mm)
Width	38 in (965 mm)
Height	48 in (1219 mm)
Net Weight (dry)	2345 lbs (1064 kg)

## Rating Explanation

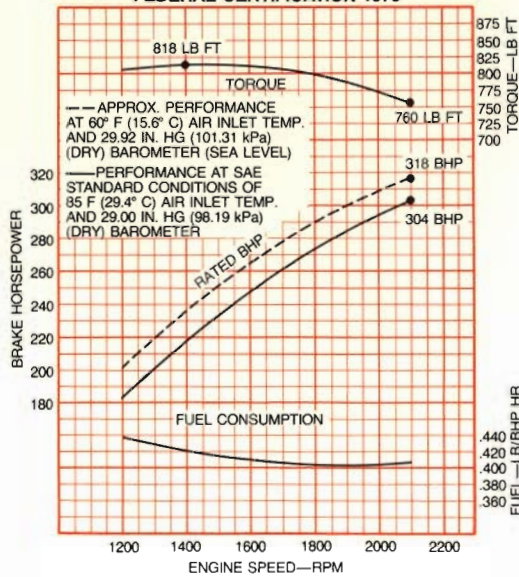
**RATED BHP**—is the power rating for variable speed and load application where full power is required intermittently.

**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.

**BASIC ENGINE PERFORMANCE  
MODEL 8V-71N WITH 7E65 INJECTORS  
FEDERAL CERTIFICATION 1979**



## standard equipment

**Air Box Drain Tubes**

**Air Compressor**—12 CFM (.34 m<sup>3</sup>/min.)

**Air Inlet Housing**

**Alternator**—12 volt, 65 amp

**Cast Aluminum Rocker Covers**

**Crankshaft Pulley**

**Engine Mounts**—Front trunnion

**Exhaust Manifold**—End outlet

**Fan**—28 in (711 mm), 6 blades, suction

**Flywheel**—SAE #1

**Flywheel Housing**—SAE #1

**Fuel Filters**—Spin on

**Governor**—Limiting speed

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

**Lube Oil Cooler**

**Lube Oil Filter**—Full flow

**Oil Pan**—Stamped for 17° inclination angle, rear sump

**Starting Motor**—12 volt, high output

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

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