## Basic Engine

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### Specifications

- **Model**: 4-71, 6-71
- **Description**: Naturally Aspirated
- **Number of Cylinders**: 4, 6
- **Bore and Stroke**: 4.25 in x 5 in (108 mm x 127 mm), 4.25 in x 5 in (108 mm x 127 mm)
- **Displacement**: 284 cu in (4.66 liters), 426 cu in (6.99 liters)
- **Rated Gross Power**: 155 BHP (116 kW) at 2100 RPM, 230 BHP (172 kW) at 2100 RPM
- **Continuous Gross Power**: 121 BHP (90 kW) at 1800 RPM, 180 BHP (134 kW) at 1800 RPM
- **Torque**: 407 lb ft (552 N•m) at 1600 RPM, 609 lb ft (826 N•m) at 1600 RPM
- **Compression Ratio**: 18.7 to 1
- **Approximate Dimensions**: Length 42 in (1067 mm), 54 in (1372 mm), Width 29 in (737 mm), 29 in (737 mm), Height 42 in (1067 mm), 39 in (991 mm), Net Weight (Dry) 1780 lbs (807 kg), 2190 lbs (933 kg)

For complete dimensional information, refer to installation drawing 2SA78 for Model 1043-5000, 2SA74 for Model 1043-7000, 2SA72 for Model 1063-5000 and 2SA71 for Model 1063-7000.
Rating Explanation

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

CONTINUOUS BHP is the power rating for applications operating under a constant load and speed for long periods of time.

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

POWER OUTPUT guaranteed within 5% at standard ambient conditions.

This Rating does not include power requirements for accessory and standard equipment.

For complete engine specifications for your particular requirements, see your distributor or authorized Detroit Diesel Allison representative.

†Rating conditions of SAE: 77°F (25°C) and 29.31 in Hg (99 kPa) Barometer (Dry)

BASIC ENGINE PERFORMANCE

MODEL 4-71 WITH N65 INJECTORS

BASIC ENGINE PERFORMANCE

MODEL 6-71 WITH N65 INJECTORS

VALUES ARE DERIVED FROM CURRENTLY AVAILABLE DATA AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Air Inlet Housing
Alternator—12 volt, 42 amp
Crankshaft Pulley
Engine Mounts
Exhaust Manifold
Fan—18 in, 6 blades, suction type, 4-71 only; 22 in, 6 blades, suction type, 6-71 only
Flywheel—SAE #1
Flywheel Housing—SAE #1
Fuel Filters—Spin on
Governor—Variable speed, with throttle controls

Instruments—Ammeter, oil pressure and water temperature gauges, and starter switch
Lube Oil Cooler
Lube Oil Filters—Full flow
Oil Pan—Cast iron pan for 16° inclination angle, 4-71 only; stamped steel pan for 20° inclination angle, 6-71
Starting Motor—12 volt
Vibration Damper—Single, heavy, viscous

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