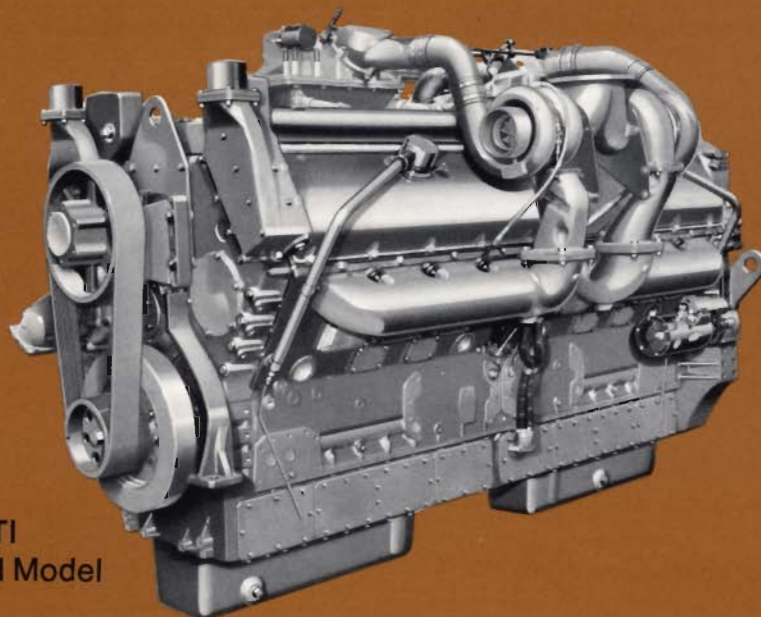


Detroit Diesel Engines

fan-to-flywheel
models

12V-149TI
1200 hp

16V-149TI
1600 hp



Typical 16V-149TI
Fan-to -Flywheel Model

specifications

| Basic Engine | 12V-149TI with 180 Injectors | 16V-149TI with 180 Injectors |
|--|--|--|
| Model | 9123-7301 | 9163-7301 |
| Description | Turbocharged, Intercooled | Turbocharged, Intercooled |
| Engine Type | Two Cycle | Two Cycle |
| Number of Cylinders | 12 | 16 |
| Bore and Stroke | 5.75 in. x 5.75 in. (146 mm x 146 mm) | 5.75 in. x 5.75 in. (146 mm x 146 mm) |
| Two Cycle Displacement (Every Downstroke a Powerstroke) | 1792 cu. in. (29.39 litres) | 2389 cu. in. (39.18 litres) |
| Rated Power: | | |
| SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry) | 1200 BHP @ 1900 RPM 895 kW @ 1900 RPM | 1600 BHP @ 1900 RPM 1194 kW @ 1900 RPM |
| Torque: | | |
| SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry) | 3445 lb. ft. @ 1600 RPM 4671 N·m @ 1600 RPM | 4595 lb. ft. @ 1600 RPM 6230 N·m @ 1600 RPM |
| Compression Ratio | 16 to 1 | 16 to 1 |
| Approximate Dimensions: | | |
| Length | 91 in. (2311 mm) | 104 in. (2642 mm) |
| Width | 64 in. (1626 mm) | 64 in. (1626 mm) |
| Height | 69 in. (1753 mm) | 66 in. (1676 mm) |
| Net Weight (Mass) (dry) | 8600 lbs. (3901 kg) | 10,860 lbs. (4926 kg) |

For complete dimensional information, refer to installation drawing 2SA374 for Model 9123-7301 and 2SA375 for Model 9163-7301.

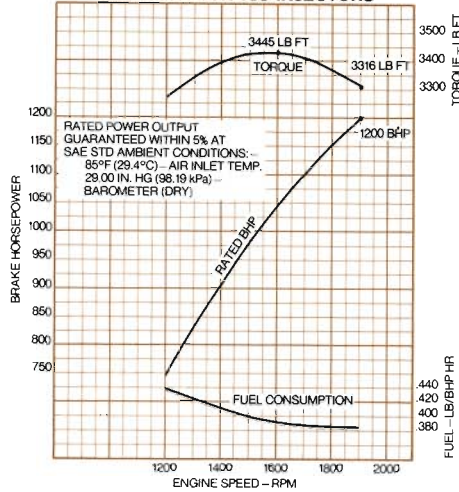
Rating Explanation

RATED BHP is the power rating for variable speed and load applications where full power is required intermittently. Performance may be derated to improve fuel economy and extend engine life.

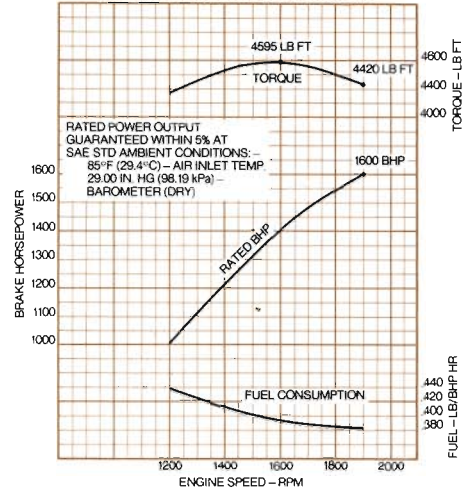
FUEL CONSUMPTION CURVE shows fuel used in pounds per brake horsepower hour.

THESE RATINGS are based on the use of standard option 180 cu. mm. injectors and do not include power losses for accessory and standard equipment.

**BASIC ENGINE PERFORMANCE
12V-149TI WITH 180 INJECTORS**



**BASIC ENGINE PERFORMANCE
16V-149TI WITH 180 INJECTORS**



standard equipment

Alternator—24 v, 65 amp

Crankshaft Pulley

Engine Mounts—Trunnion mounts

Exhaust Manifold

Fan—52", 8-blade, suction (Model 9123-7301)
Fan bracket and pulley assembly only (Model 9163-7301)

Flywheel—SAE #0

Flywheel Housing—SAE #0

Fuel Filters

Governor—Variable speed

Injectors—Cam Operated, Unit Type, Needle Valve

Intercooler

Lube Oil Cooler

Lube Oil Filters—Full flow, dual can

Oil Pan and Distribution System—Dual sump, for 15° inclination angle

Starting Motors—Two 24-volt

Turbocharger

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

Specifications subject to change without notice.



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