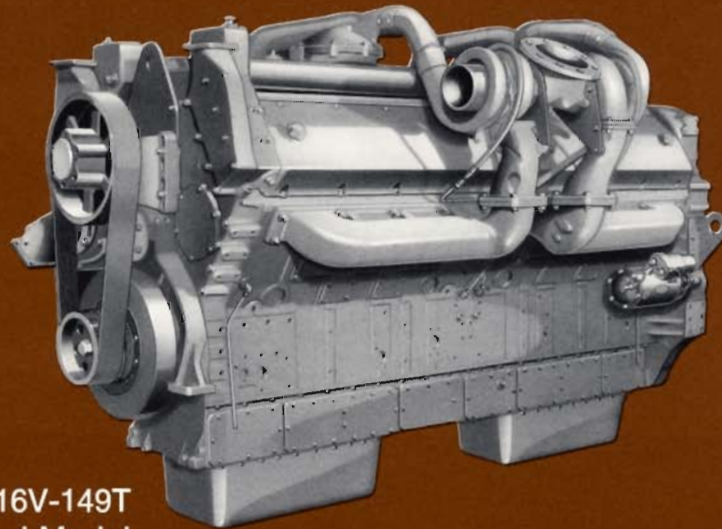


Detroit Diesel Engines

fan-to-flywheel
models

16V-149
1060 hp

16V-149T
1325 hp



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

specifications

Basic Engine	16V-149 130 Injectors	16V-149T 150 Injectors
Model	9163-7000	9163-7300
Description	Naturally Aspirated	Turbocharged
Engine Type	Two Cycle	Two Cycle
Number of Cylinders	16	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)	2389 cu in (39.18 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)	1060 BHP (791 kW) @ 1900 RPM	1325 BHP (988 kW) @ 1900 RPM
Continuous Power: SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar (Dry)	900 BHP (671 kW) @ 1800 RPM	— —
Torque: SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar (Dry)	3080 lb ft (4176 N·m) @ 1500 RPM	3880 lb ft (5261 N·m) @ 1400 RPM
Compression Ratio	17 to 1	17 to 1
Approximate Dimensions:		
Length	108 in (2743 mm)	109 in (2769 mm)
Width	54 in (1372 mm)	64 in (1626 mm)
Height	68 in (1727 mm)	72 in (1829 mm)
Net Weight (Mass) (dry)	10540 lbs (4781 kg)	10840 lbs (4917 kg)

For complete dimensional information, refer to installation drawing 2SA360 for Model 9163-7000 and 2SA359 for Model 9163-7300

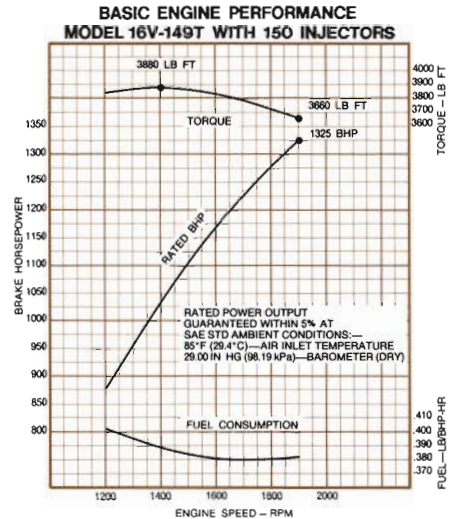
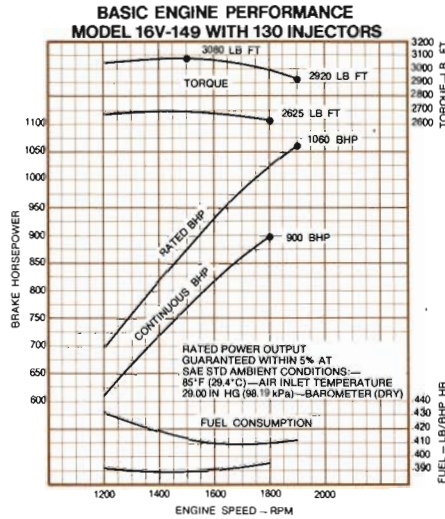
Rating Explanation

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

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.

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



standard equipment

Air Inlet Housing

Alternator—24 volt, 65 amp

Crankshaft Pulley—Poly-Vee

Engine Mounts—Front trunnion

Exhaust Manifold

Fan—52 in (1331 mm), 8 blades, suction, Model 9163-7000 only; Fan bracket and pulley assembly, Model 9163-7300 only

Flywheel—SAE #0

Flywheel Housing—SAE #0, dual starter pads

Fuel Filters

Governor—Variable speed

Injectors—Cam operated, unit type, clean tip

Lube Oil Cooler

Lube Oil Filter—Full flow

Oil Pan—Stamped lower pan for 15° inclination angle, dual sump

Starting Motor—Two (2) 24 volt

Turbocharger—Model 9163-7300 only

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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