

Detroit Diesel Engines

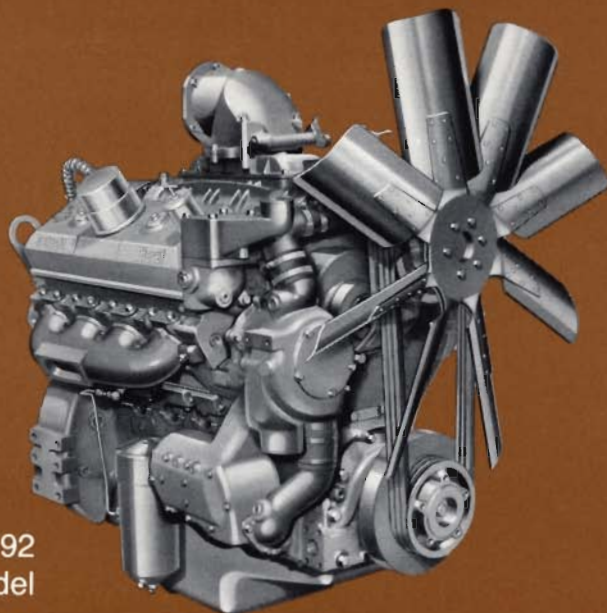
Fan-to-flywheel models

8V-92

368 hp

8V-92T

430 hp



Typical 8V-92
Fan-to-Flywheel Model

specifications

Basic Engine	8V-92 9280 Injectors	8V-92T 9290 Injectors
Model	8083-7000	8083-7300
Engine Type	Two Cycle	Two Cycle
Number of Cylinders	8	8
Bore and Stroke	4.84 in x 5 in (123 mm x 127 mm)	4.84 in x 5 in (123 mm x 127 mm)
Displacement	736 cu in (12.07 litres)	736 cu in (12.07 litres)
Rated Gross Power: 60°F (15.6°C) and 29.92 in Hg (101.31 kPa) Bar. (Dry) SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	368 BHP (275 kW) @ 2100 RPM 360 BHP (269 kW) @ 2100 RPM	— 430 BHP (321 kW) @ 2100 RPM
Continuous Gross Power: SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	300 BHP (224 kW) @ 1800 RPM	—
Torque: SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	983 lb ft (1333 N·m) @ 1400 RPM	1186 lb ft (1608 N·m) @ 1400 RPM
Compression Ratio	19 to 1	17 to 1
Approximate Dimensions:		
Length	48 in (1219 mm)	48 in (1219 mm)
Width	39 in (991 mm)	39 in (991 mm)
Height	51 in (1295 mm)	52 in (1321 mm)
Net Weight (dry)	2345 lbs (1064 kg)	2395 lbs (1086 kg)

For complete dimensional information, refer to installation drawing 2SA394 for Model 8083-7000 and 2SA414 for Model 8083-7300.

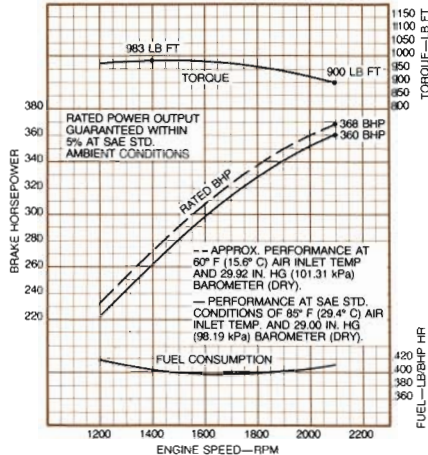
Rating Explanation

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

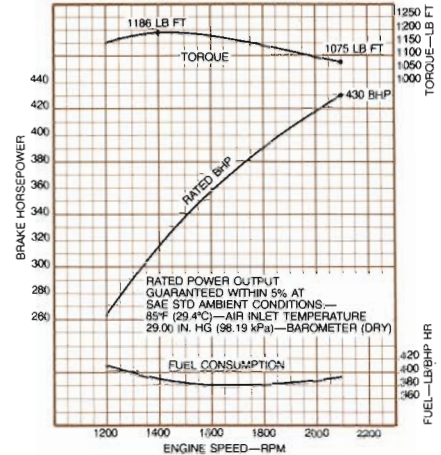
FUEL CONSUMPTION CURVE shows fuel used in pounds per brake horsepower hour.

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

**BASIC ENGINE PERFORMANCE
MODEL 8V-92 WITH 9280 INJECTORS**



**BASIC ENGINE PERFORMANCE
MODEL 8V-92T WITH 9290 INJECTORS**



standard equipment

Air Box Drain Tubes

Air Inlet Housing

Alternator—24V, 65 amp

Cast Aluminum Rocker Covers

Crankshaft Pulley

Engine Mounts

Exhaust Manifold

Fan—34 in (864 mm), 8 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 pan for 17° inclination angle, rear sump

Starting Motor—24 volt

Turbocharger—Model 8083-7300 only

Vibration Damper—Thick, heavy, viscous

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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