

3-53 4-53 6V-53
101 hp 140 hp 216 hp

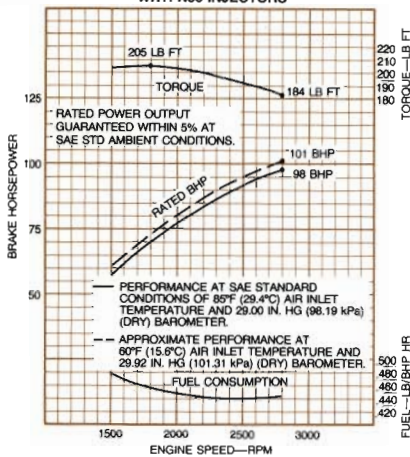


Typical 4-53
Fan-to-Flywheel Model

specifications

Basic Engine	3-53 N50 Injectors	4-53 N50 Injectors	6V-53 N50 Injectors
Model	5033-7000	5043-7000	5063-7000
Engine Type	Two Cycle	Two Cycle	Two Cycle
Number of Cylinders	3	4	6
Bore and Stroke	3.875 in. x 4.5 in. (98 mm x 114 mm)	3.875 in. x 4.5 in. (98 mm x 114 mm)	3.875 in. x 4.5 in. (98 mm x 114 mm)
Displacement	159 cu. in. (2.61 litres)	212 cu. in. (3.48 litres)	318 cu. in. (5.22 litres)
Compression Ratio	21 to 1	21 to 1	21 to 1
Rated Gross Power:			
60°F (15.6°C) and 29.92 in Hg 101.31 kPa Bar. (Dry)	101 BHP (75 kW) @ 2800 RPM	140 BHP (104 kW) @ 2800 RPM	216 BHP (161 kW) @ 2800 RPM
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	98 BHP (73 kW) @ 2800 RPM	136 BHP (101 kW) @ 2800 RPM	210 BHP (157 kW) @ 2800 RPM
Continuous Gross Power:			
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	70 BHP (52 kW) @ 2400 RPM	93 BHP (69 kW) @ 2400 RPM	140 BHP (104 kW) @ 2400 RPM
Torque:			
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 Pka) Bar. (Dry)	205 lb. ft. (278 N•m) @ 1800 RPM	282 lb. ft. 382 N•m) @ 1800 RPM	445 lb. ft. (603 N•m) @ 1500 RPM
Approximate Dimensions:			
Length	33 in. (838 mm)	39 in. (991 mm)	39 in. (991 mm)
Width	27 in. (686 mm)	27 in. (686 mm)	40 in. (1016 mm)
Height	35 in. (889 mm)	37 in. (940 mm)	37 in. (940 mm)
Approx. Net Weight (dry)	965 lbs. (438 kg)	1110 lbs. (503 kg)	1485 lbs. (674 kg)

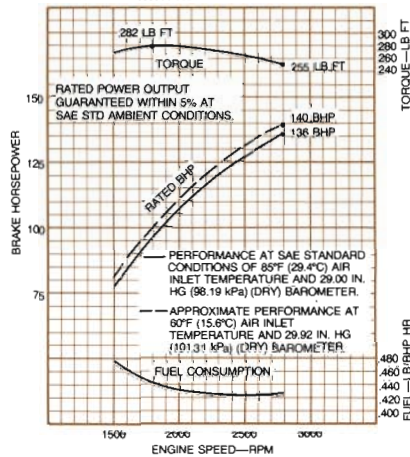
**BASIC ENGINE PERFORMANCE
MODEL 3-53
WITH N50 INJECTORS**



Rating Explanation

RATED BHP—Basic engine gross power.
CONTINUOUS BHP—Rated power for applications

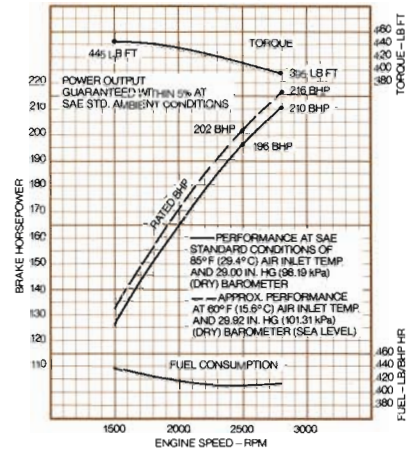
**BASIC ENGINE PERFORMANCE
MODEL 4-53
WITH N50 INJECTORS**



operating under a constant load and speed for long periods of time.

FUEL CONSUMPTION CURVE—fuel used in pounds per

**BASIC ENGINE PERFORMANCE
MODEL 6V-53
WITH N50 INJECTORS**



brake horsepower hour.

These ratings do not include power requirements for accessory and standard equipment.

standard equipment

Air Inlet Housing

Alternator—12 volt, 42 amp

Crankshaft Pulley

Exhaust Manifold

Fan—22", 5-blade, suction Models 5033-7000 & 5043-7000; 22", 6-blade, suction Model 5063-7000

Flywheel—SAE #4 Models 5033-7000 & 5043-7000; SAE #3 Model 5063-7000

Flywheel Housing—SAE #4 Models 5033-7000 & 5043-7000; SAE #3 Model 5063-7000

Fuel Filters

Governor—Variable speed with throttle controls

Injectors—Cam operated, unit type, clean tip

Lube Oil Cooler

Lube Oil Filter—Full flow

Oil Pan—Stamped for 10° inclination angle Model 5033-7000; stamped for 20° inclination angle Model 5043-7000; cast for 15° inclination angle Model 5063-7000

Starting Motor—12 volt

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

Specifications subject to change without notice.



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