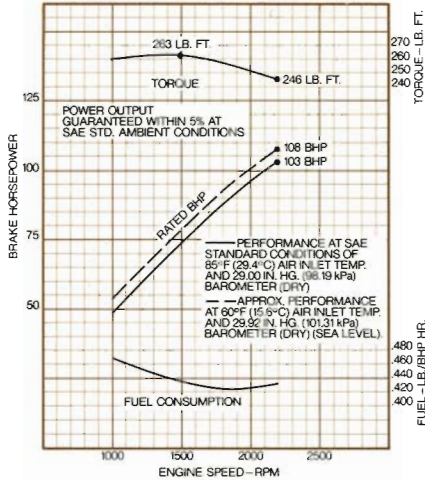


Typical 4-53
Fan-to-Flywheel Model

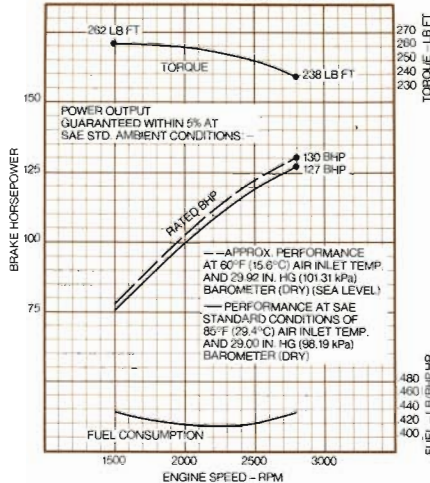
specifications

Basic Engine	4-53 (2 Valve) S45 Injectors	4-53 (4 Valve) S45 Injectors	4-53 (4 Valve) N45 Injectors
Model	5043-5101, 5043-7101	5043-5201, 5043-7201	5043-7000
Engine Type	Two Cycle	Two Cycle	Two Cycle
Number of Cylinders	4	4	4
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	212 cu in (3.48 litres)	212 cu in (3.48 litres)	212 cu in (3.48 litres)
Rated Gross Power: 60°F (15.6°C) and Sea Level—approx. SAE: 85°F (29.4°C) and 500 ft (152.4 m)	108 BHP (81 kW) @ 2200 RPM 103 BHP (77 kW) @ 2200 RPM	130 BHP (97 kW) @ 2800 RPM 127 BHP (95 kW) @ 2800 RPM	130 BHP (97 kW) @ 2800 RPM 127 BHP (95 kW) @ 2800 RPM
Continuous Gross Power: SAE: 85°F (29.4°C) and 500 ft (152.4 m)	87 BHP (65 kW) @ 2200 RPM	87 BHP (65 kW) @ 2200 RPM	93 BHP (69 kW) @ 2400 RPM
Torque: SAE: 85°F (29.4°C) and 500 ft (152.4 m)	263 lb ft (357 N·m) @ 1500 RPM	262 lb ft (355 N·m) @ 1500 RPM	270 lb ft (366 N·m) @ 1800 RPM
Compression Ratio	17 to 1	17 to 1	21 to 1
Approximate Dimensions:			
Length	39 in (991 mm)	39 in (991 mm)	39 in (991 mm)
Width	27 in (686 mm)	27 in (686 mm)	27 in (686 mm)
Height	37 in (940 mm)	37 in (940 mm)	37 in (940 mm)
Net Weight (dry)	1110 lbs (503 kg)	1110 lbs (503 kg)	1110 lbs (503 kg)

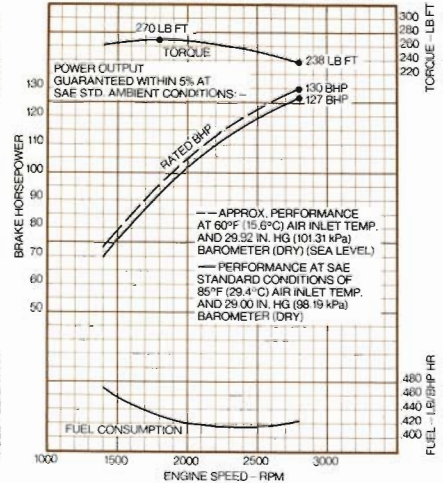
**BASIC ENGINE PERFORMANCE
4-53 (2 VALVE) WITH S45 INJECTORS**



**BASIC ENGINE PERFORMANCE
4-53 (4 VALVE) WITH S45 INJECTORS**



**BASIC ENGINE PERFORMANCE
4-53 (4 VALVE) WITH N45 INJECTORS**



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.

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

For complete engine specifications for your particular application, see your authorized Detroit Diesel Allison representative.

standard equipment

Air Inlet Housing—Manual shutdown with 50 in (1270 mm) cable

Alternator—12 volt, 42 amp.

Crankshaft Pulley—5.38 in. (137 mm) diameter

Exhaust Manifold—Vertical center outlet, with flange

Fan—22 in (559 mm), 5-blade, suction

Flywheel—SAE #4

Flywheel Housing—SAE #4

Governor—Variable speed with throttle controls

Injectors—Cam-operated, Unit-type

Lube Oil Filter—Full-flow

Oil Pan and Oil Distribution System—Stamped oil pan for 20° inclination

Starting Motor—12 volt

For complete specifications and a listing of standard and optional equipment, consult your authorized Detroit Diesel Allison Distributor or Dealer.

Specifications subject to change without notice.



Detroit Diesel Allison
Division of General Motors Corporation

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