

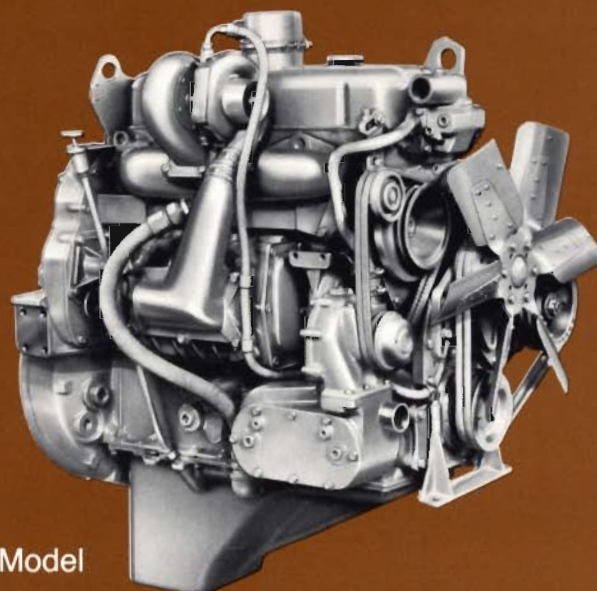
Detroit Diesel Engines

fan-to-flywheel models

3-53T
131 hp

4-53T
175 hp

6V-53T
233 hp

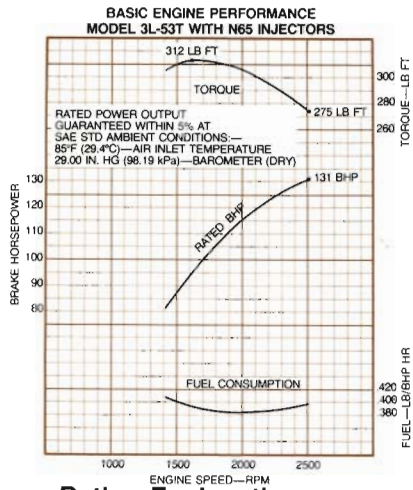


Typical 4-53T
Fan-to-Flywheel Model

specifications

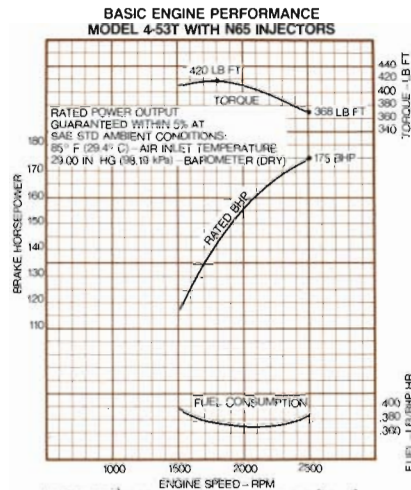
Basic Engine	3-53T N65 Injectors	4-53T N65 Injectors	6V-53T 5A55 Injectors
Model	5033-8300	5043-8301	5063-5300
Engine Type	Two Cycle	Two Cycle	Two Cycle
Number of Cylinders	3	4	6
Bore and Stroke	3.875 in x 4.5 in (98 mm x 114 mm)	3.875 in x 4.5 in (98 mm x 114 mm)	3.875 in x 4.5 in (98 mm x 114 mm)
Displacement	159 cu in (2.61 liters)	212 cu in (3.48 liters)	318 cu in (5.22 liters)
Compression Ratio	18.7 to 1	18.7 to 1	18.7 to 1
Rated Gross Power:			
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	131 BHP (98 kW) @ 2500 RPM	175 BHP (131 kW) @ 2500 RPM	233 BHP (174 kW) @ 2500 RPM
Torque:			
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	312 lb ft (423 N•m) @ 1600 RPM	420 lb ft (569 N•m) @ 1800 RPM	568 lb ft (770 N•m) @ 1800 RPM
Approximate Dimensions:			
Length	33 in (838 mm)	39 in (991 mm)	39 in (991 mm)
Width	29 in (737 mm)	30 in (762 mm)	37 in (940 mm)
Height	40 in (1016 mm)	39 in (991 mm)	41 in (1041 mm)
Approx Net Weight (dry)	1000 lbs (454 kg)	1260 lbs (572 kg)	1695 lbs (769 kg)

For complete dimensional information refer to the following installation drawings: 2SA 449
for Model 5033-8300, 2SA 444 for Model 5043-8301, 2SA 448 for Model 5063-5300

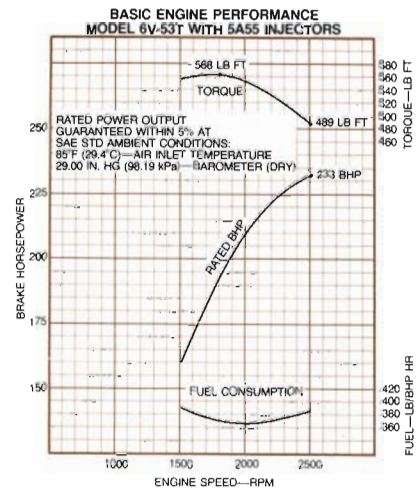


Rating Explanation

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



operating under a constant load and speed for long periods of time.
FUEL CONSUMPTION CURVE—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—12 volt, 42 amp

Crankshaft Pulley

Exhaust Manifold

Fan—22 in (559 mm), 5 blades, suction, Models 5033-8300 and 5043-8301; 22 in (559 mm), 6 blades, suction, Model 5063-5300

Flywheel—SAE #3, Models 5033-8300 and 5043-8301; SAE #2, Model 5063-5300

Flywheel Housing—SAE #3, Models 5033-8300 and 5043-8301; SAE #2, Model 5063-5300

Fuel Filters

Governor—Variable speed, Models 5033-8300 and 5043-8301; limiting speed, Model 5063-5300

Injectors—Cam operated, unit type, clean tip

Instruments—Water temperature gauge, oil pressure gauge, ammeter and starter switch, Model 5043-8301 only

Lube Oil Cooler

Lube Oil Filter

Oil Pan—Stamped steel pan for 30° rear or 20° front inclination angle, Model 5033-8300 only; stamped steel pan for 20° rear inclination angle, Model 5043-8301 only; stamped steel pan for 15° rear inclination angle, Model 5063-5300 only

PTO—Model 5043-8301 only

Starting Motor—12 volt

Turbocharger

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

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