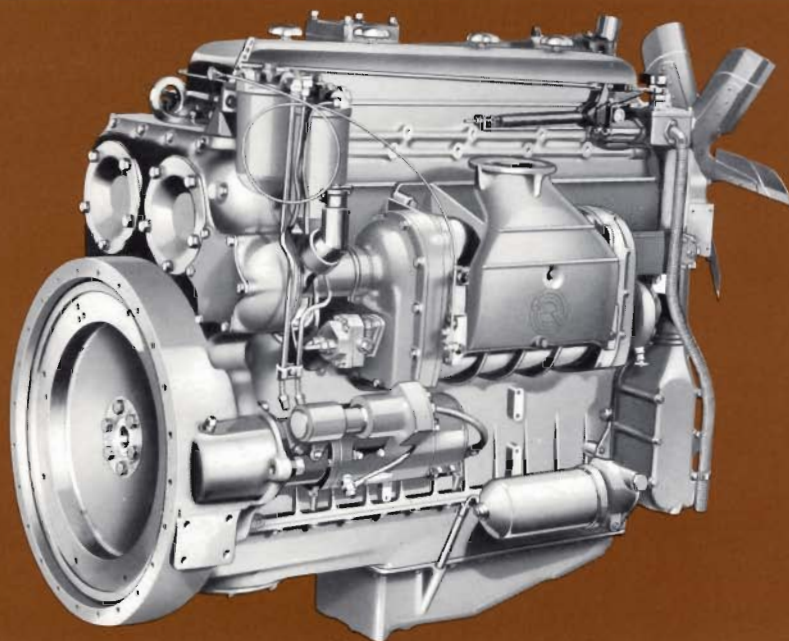


Detroit Diesel Engines

fan-to-flywheel models

3-71 4-71 6-71
113 hp 160 hp 238 hp



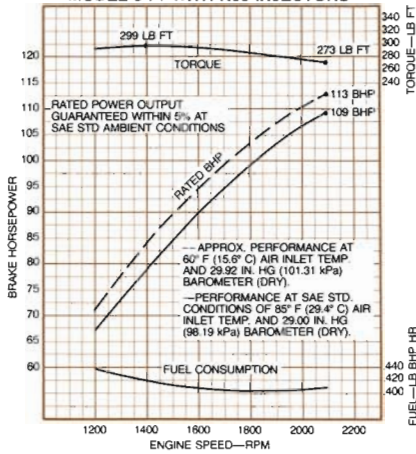
Typical 6-71
Fan-to-Flywheel Model

specifications

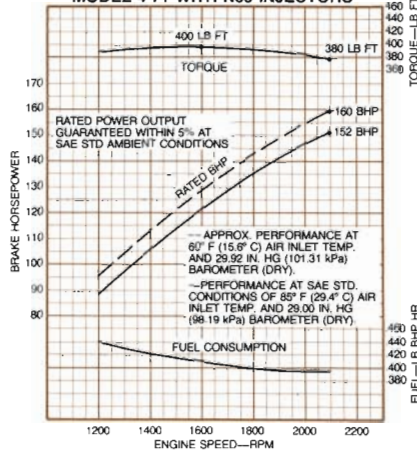
Basic Engine	3-71 N65 Injectors	4-71 N65 Injectors	6-71 N65 Injectors
Model	1033-5000, 1033-7000	1043-5000, 1043-7000	1063-5000, 1063-7000
Number of Cylinders	3	4	6
Bore and Stroke	4.25 in x 5 in (108 mm x 127 mm)	4.25 in x 5 in (108 mm x 127 mm)	4.25 in x 5 in (108 mm x 127 mm)
Displacement	213 cu in (3.49 litres)	284 cu in (4.66 litres)	426 cu in (6.99 litres)
Compression Ratio	18.7 to 1	18.7 to 1	18.7 to 1
Rated Gross Power:			
60°F (15.6°C) and 29.92 in Hg (101.31 kPa) Bar. (Dry)	113 BHP (84 kW) @ 2100 RPM	160 BHP (119 kW) @ 2100 RPM	238 BHP (178 kW) @ 2100 RPM
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	109 BHP (81 kW) @ 2100 RPM	152 BHP (113 kW) @ 2100 RPM	228 BHP (170 kW) @ 2100 RPM
Continuous Gross Power:			
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	82 BHP (61 kW) @ 1800 RPM	117 BHP (87 kW) @ 1800 RPM	175 BHP (131 kW) @ 1800 RPM
Torque:			
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	299 lb ft (405 N·m) @ 1400 RPM	400 lb ft (542 N·m) @ 1600 RPM	600 lb ft (813 N·m) @ 1600 RPM
Approximate Dimensions:			
Length	36 in (914 mm)	42 in (1067 mm)	54 in (1372 mm)
Width	29 in (737 mm)	29 in (737 mm)	29 in (737 mm)
Height	41 in (1041 mm)	42 in (1067 mm)	39 in (991 mm)
Net Weight (dry)	1525 lbs (692 kg)	1780 lbs (807 kg)	2190 lbs (993 kg)

For complete dimensional information, refer to installation drawing 2SA75 for Model 1033-5000, 2SA73 for Model 1033-7000, 2SA78 for Model 1043-5000, 2SA74 for Model 1043-7000, 2SA72 for Model 1063-5000, and 2SA71 for Model 1063-7000.

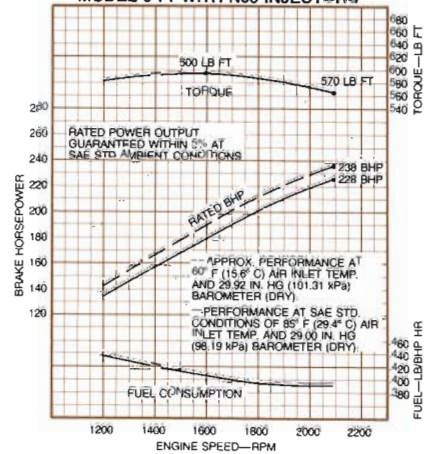
**BASIC ENGINE PERFORMANCE
MODEL 3-71 WITH N65 INJECTORS**



**BASIC ENGINE PERFORMANCE
MODEL 4-71 WITH N65 INJECTORS**



**BASIC ENGINE PERFORMANCE
MODEL 6-71 WITH N65 INJECTORS**



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 Box Drain Tubes**
- Air Inlet Housing**
- Alternator**—12 volt, 42 amp
- Cast Aluminum Rocker Covers**
- Crankshaft Pulley**
- Engine Mounts**
- Exhaust Manifold**
- Fan**—18 in (457 mm), 6-blade, suction, Models 1033-5000, 1033-7000, 1043-5000, 1043-7000; 22 in (559 mm), 6-blade, suction, Models 1063-5000, 1063-7000
- Flywheel**—SAE #1
- Flywheel Housing**—SAE #1
- Fuel Filters**—Spin-on

- Governor**—Variable speed with throttle controls
- Injectors**—Cam-operated, unit type, Clean Tip
- Instruments**—Ammeter, oil pressure and water temperature gauges, and starter switch
- Lube Oil Cooler**
- Lube Oil Filter**—Full flow
- Oil Pan**—Cast iron pan for 16° inclination angle, Models 1033-5000, 1033-7000, 1043-5000, 1043-7000; cast iron pan for 17° rear down or 8° front down inclination angle, Models 1063-5000 and 1063-7000
- Shutdown Controls**—Manual shutdown with 50 in (1270 mm) cable
- Starting Motor**—12 volt

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

Specifications subject to change without notice.



Detroit Diesel Allison
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