

Typical 6V-71
Fan-to-Flywheel

specifications

Basic Engine

6V-71 N65 Injectors

6V-71T N75 Injectors

Model	7063-7000	7063-7300
Description	Naturally Aspirated	Turbocharged
Number of Cylinders	6	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)
Displacement	426 cu in (6.99 litres)	426 cu in (6.99 litres)
Rated Gross Power:		
60°F (15.6°C) and 29.92 in Hg (101.31 kPa) Bar. (dry)	238 BHP (178 kW) @ 2100 RPM	—
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (dry)	228 BHP (170 kW) @ 2100 RPM	262 BHP (195 kW) @ 2100 RPM
Continuous Gross Power:		
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (dry)	175 BHP (131 kW) @ 1800 RPM	—
Torque:		
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (dry)	600 lb ft (814 N·m) @ 1600 RPM	725 lb ft (983 N·m) @ 1600 RPM
Compression Ratio	18.7 to 1	17 to 1
Approximate Dimensions:		
Length	41 in (1041 mm)	41 in (1041 mm)
Width	39 in (991 mm)	40 in (1014 mm)
Height	48 in (1219 mm)	53 in (1346 mm)
Net Weight (dry)	2010 lbs (912 kg)	2080 lbs (944 kg)

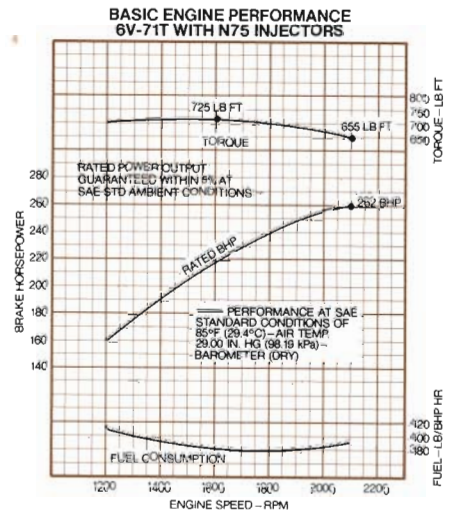
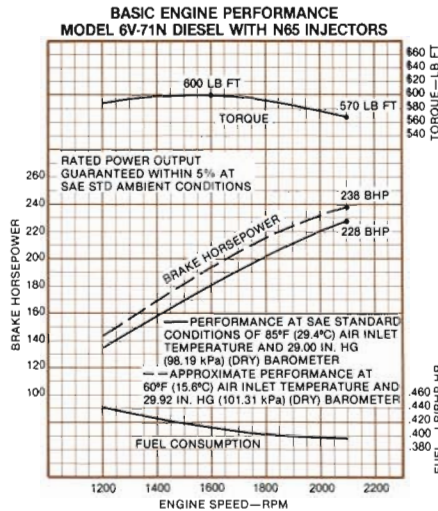
Rating Explanation

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.



standard equipment

Air Box Drain Tubes

Air Inlet Housing

Alternator—12 volt, 65 amp

Cast Aluminum Rocker Covers

Crankshaft Pulley

Engine Mounts

Exhaust Manifold

Fan—28 in (711 mm), 6 blade, suction, Model 7063-7000 only; fan bracket and pulley assembly only Model 7063-7300

Flywheel—SAE #1

Flywheel Housing—SAE #1

Fuel Filters—Spin-on

Governor—Limiting speed, Model 7063-7000; variable speed, Model 7063-7300

Injectors—Cam operated, unit type, Clean Tip

Instruments—Ammeter, water and oil temperature gauges, and starter switch, Model 7063-7000 only

Lube Oil Cooler

Lube Oil Filter—Full-flow

Oil Pan—Stamped pan for 20° inclination angle, rear sump

Starting Motor—12 volt

Turbocharger—Model 7063-7300 only

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

Specifications subject to change without notice.



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