

Typical 8V-71
Fan-to-Flywheel Model

specifications

Basic Engine	8V-71 N65 Injectors	8V-71T N75 Injectors
Model	7083-7000	7083-7300
Description	Naturally Aspirated	Turbocharged
Number of Cylinders	8	8
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	568 cu in (9.32 litres)	568 cu in (9.32 litres)
Rated Gross Power:		
60°F (15.6°C) and 29.92 in Hg (101.31 kPa) Bar. (Dry)	318 BHP (237 kW) @ 2100 RPM	—
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	304 BHP (227 kW) @ 2100 RPM	350 BHP (261 kW) @ 2100 RPM
Continuous Gross Power:		
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	233 BHP (174 kW) @ 1800 RPM	—
Torque:		
SAE: 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Bar. (Dry)	800 lb ft (1085 N·m) @ 1600 RPM	965 lb ft (1308 N·m) @ 1600 RPM
Compression Ratio	18.7 to 1	17 to 1
Approximate Dimensions:		
Length	47 in (1194 mm)	50 in (1270 mm)
Width	39 in (991 mm)	40 in (1016 mm)
Height	51 in (1295 mm)	53 in (1346 mm)
Net Weight (dry)	2310 lbs (1048 kg)	2495 lbs (1132 kg)

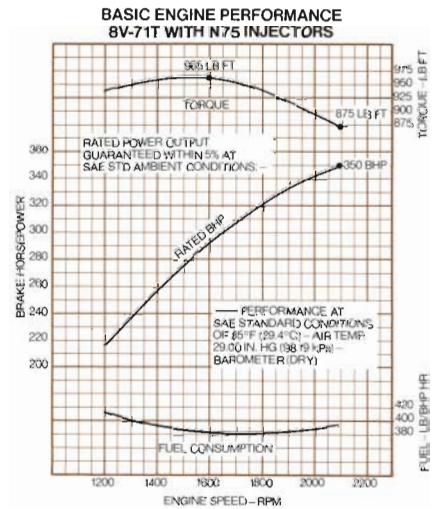
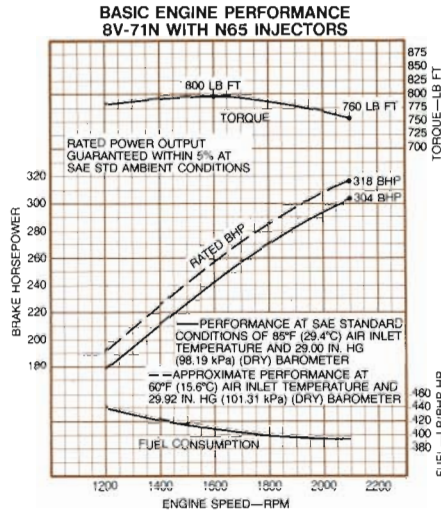
Rating Explanation

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—24 volt, 65 amp

Cast Aluminum Rocker Covers

Crankshaft Pulley

Engine Mounts

Exhaust Manifold

Fan—34 in (864 mm), 8 blade, suction

Flywheel—SAE #1

Flywheel Housing—SAE #1

Fuel Filters—Spin-on

Governor—Limiting speed

Injectors—Cam operated, unit type, Clean Tip

Instruments—Ammeter, water and oil temperature gauges, and starter switch

Lube Oil Cooler

Lube Oil Filter—Full-flow

Oil Pan—Stamped pan for 17° inclination angle, rear sump, Model 7083-7000; stamped pan for 20° inclination angle, rear sump, Model 7083-7300

Starting Motor—24 volt

Turbocharger—Model 7083-7300 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.



Detroit Diesel Allison
Division of General Motors Corporation

13400 West Outer Drive Detroit, Michigan 48228

In Canada: Diesel Division, General Motors of Canada Limited London Ontario