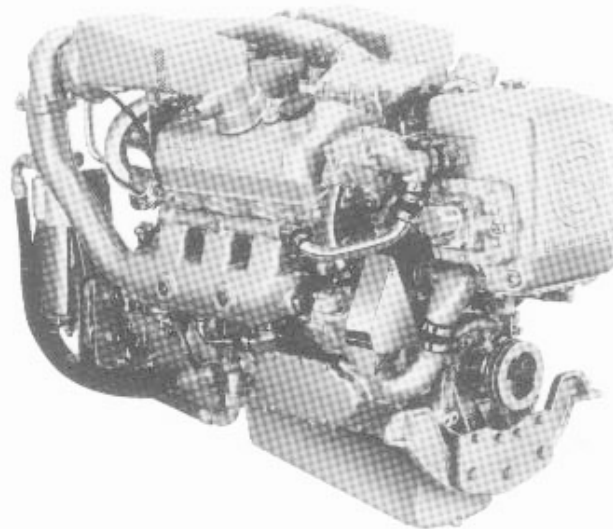


Detroit Diesel Engines

Marine Models

6V-53T
320 hp



Typical 6V-53T

General Specifications

Basic Engine	6V-53T
Model-Port	Starboard
Description	Turbocharged
Number of Cylinders	6
Bore and Stroke	3.875 in × 4.5 in (98 mm × 114 mm)
Displacement	318 cu in (5.22 liters)
Compression Ratio	17.5 to 1
Lube Oil System Capacity*	Low—11 qts (41.6 liters) High—14 qts (52.9 liters)
Coolant Capacity (engine only)	30 qts (113.4 liters)
Net Weight (dry)	2200 (998 kg)

Rated Power Output

Intermittent	
Injectors	5N65
Rated Gross Power	275 BHP (205 kW) @ 2800 RPM*
Rated Net Power	260 SHP (194 kW) @ 2800 RPM*
Maximum	
Injectors	N70
Rated Gross Power	320 BHP (239 kW) @ 2800 RPM†
Rated Net Power	306 SHP (228 kW) @ 2800 RPM†

*With standard oil pan.

†SAE: 77 °F (25.0 °C) and 29.31 in Hg (99 kPa) Barometer (Dry).

*85 °F (29.4 °C) and 29.00 in Hg (98.19 kPa) Barometer (Dry).

Equipment Specifications

Air Inlet Housing

Air Silencer

Alternator—14 volt, 75 amp, flange mounted

Crankshaft Pulley

Engine Mounts—Resilient mounts, front and rear, includes mounts for both engine and marine gear

Exhaust Manifold—Water cooled

Flywheel Housing—SAE #3

Fuel Cooler

Fuel Filters—Spin-on

Governor—Variable speed

Heat Exchanger

Injectors—Cam operated, unit type, clean tip

Lube Oil Cooler

Lube Oil Filter—Spin-on, full-flow

Marine Gear—Twin Disc MG 506, cooler and lines, flange assembly for marine gear

Oil Pan—Cast iron, designed for 0°-17° inclination angle, front sump

Raw Water Pump

Starting Motor—12 volt

Turbochargers—Two, high efficiency design

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

For complete coolant specifications, see publication 7SE298. For complete fuel and lubricating oil specifications, see publication 7SE270.

