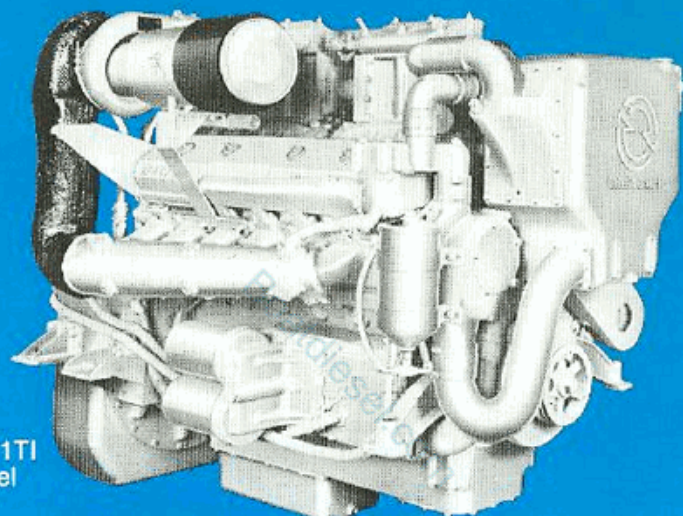


# Detroit Diesel Engines

marine models

12V-71TI

675 hp



Typical 12V-71TI  
Marine Model

## specifications

### Basic Engine

Model	7122-3300
Port	7122-7300
Starboard	
Engine Type	Two Cycle
Number of Cylinders	12
Bore and Stroke	4.25 in x 5 in (108 mm x 127 mm)
Displacement	568 cu in (9.32 litres)
Rated Gross Power:	
SAE: 85°F (29.4°C) and	675 BHP (504 kW)
29.00 in Hg (98.18 kPa) Bar. (Dry)	@ 2300 RPM
Rated Net Power:	
SAE: 85°F (29.4°C) and	650 SHP (485 kW)
29.00 in Hg (98.18 kPa) Bar. (Dry)	@ 2300 RPM
Compression Ratio	17 to 1
Net Weight (dry)	5200 lbs (2359 kg)

### Rating Explanation

**RATED BHP**—Basic engine gross power

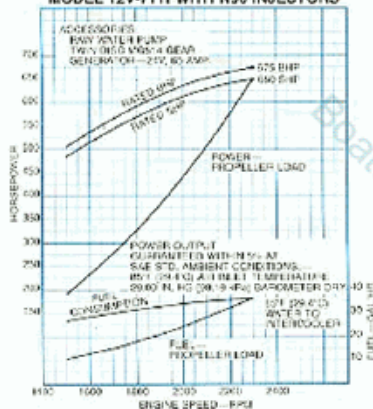
**RATED SHP**—Net power available at the marine gear output shaft.

**PROPELLER LOAD**—Indicates horsepower absorbed by a typical propeller and the corresponding fuel con-

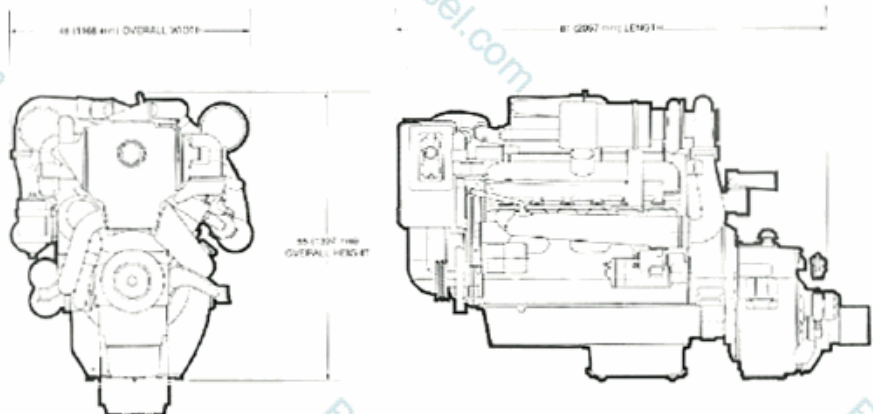
sumption throughout the speed range.

**MARINE ENGINE RATING**—The use of the ratings i.e.: maximum, intermittent and continuous; varies with type of vessel in which the engine is installed. See your Detroit Diesel distributor for the rating that will apply to your vessel.

ENGINE PERFORMANCE  
MODEL 12V-71TI WITH N90 INJECTORS



## principal dimensions



For complete dimensional information, refer to installation drawing 25A367.

## standard equipment

**Air Box Drain Tubes**

**Air Inlet Housing**

**Air Silencers**

**Alternator**—24 v, 65 amp

**Cast Aluminum Rocker Covers**

**Crankshaft Pulley**

**Engine Mounts**—Includes mounts for engine and marine gear

**Exhaust Manifold**—Water-cooled

**Flywheel Housing**—SAE #1

**Governor**—Variable Speed, includes throttle controls

**Heat Exchanger**—Includes raw water pump and piping

**Instruments**—Includes ammeter, Hour-meter, tachometer, water temperature gauge, and oil pressure gauges for engine and marine gear

**Lube Oil Filter**—Full-flow filter

**Marine Gear**—Twin Disc hydraulic reverse and reduction gear, 2 to 1 ratio

**Oil pan and Distribution System**—Stamped oil pan for 15° inclination angle, rear sump

**Starting Motor**—24 volt

**Water Filter**—Fresh water filter with 30-gallon (113.6 litres) capacity

For a complete 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: General Motors, General Motors of Canada Limited, London Ontario