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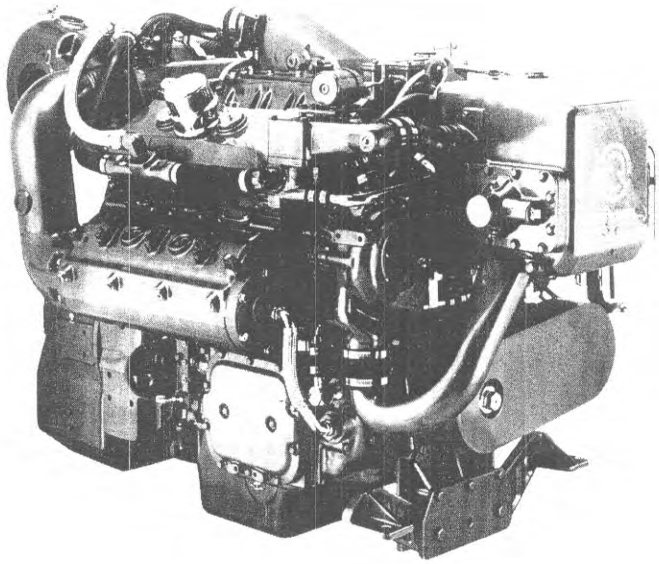
# DETROIT DIESEL

## 6V-92TA
## 450 BHP

## Marine Pleasure Craft



### General Specifications

| | |
|---|---|
| Basic Engine | 6V-92TA |
| Model—Port | 8062-3404 |
| Starboard | 8062-7404 |
| Description | Turbocharged-Aftercooled with Bypass Blower |
| Number of Cylinders | 6 |
| Bore and Stroke | 4.84 in x 5.00 in (123 mm x 127 mm) |
| Displacement | 552 cu in (9.05 liters) |
| Compression Ratio | 17.0 to 1 |
| Weight (dry) | 2770 lbs (1259 kg) |

### Rated Power Output—Maximum

| | |
|---|---|
| Gross Power | 450 BHP (336 kW) @ 2300 RPM |
| Net Power | 435 SHP (325 kW) @ 2300 RPM |

### Equipment Specifications

Air Inlet Housing—With manual or electrical shutdown

Aftercooler—Two-pass with precooled coolant supply

Alternator—24 volt, 75 amp

Cooling System—Cast expansion tank with raw water pump

Crankcase vapor collectors with silencers

Crankshaft Pulley—3 grooves, .50 inch wide

Engine Mounts—Resilient mounts for both engine and marine gear

Exhaust System—Fresh water-cooled manifolds and turbine housing

Flywheel Housing—SAE #2

Fuel System—Cam operated unit injectors with low pressure USCG type A external hoses, fuel filters and cooler

Governor—Variable speed

Lube Oil Filter—Full flow

Marine Gear—Available with Detroit Diesel-507-2 (1.51, 1.77, 1.98 reduction ratios)

Oil Pan—Cast, designed for 0°-15° inclination angle, rear sump

Starting Motor—24 volt

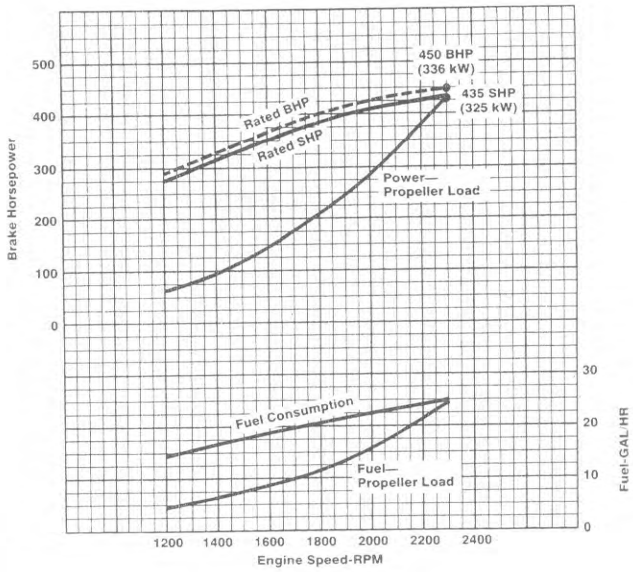
Rating conditions: ISO 3046, SAE J1349, SAE J1228
77°F (25°C) and 29.31 in. Hg. (99kPa) Barometer (Dry)

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

Photograph illustrates a typical marine engine

## Performance Curve

### Model 6V-92TA—Maximum




## Rating Explanation

RATED BHP Basic engine gross horsepower.

Rated SHP Net power available at the marine gear output flange.

PROPELLER LOAD indicates horsepower absorbed by a typical fixed pitch propeller.

POWER OUTPUT guaranteed within 5% at rated ambient conditions.

MARINE MAXIMUM The marine maximum rating applies to high performance boats where speed is of primary importance and overall load factors are low. Normal or continuous cruising RPM should be limited to 90% of rated engine RPM, and the use of full rated power should be limited to 10% (average) of operating time. This rating is normally reserved for privately-owned yachts in non-revenue applications with an average annual hour accumulation of 500 hrs.

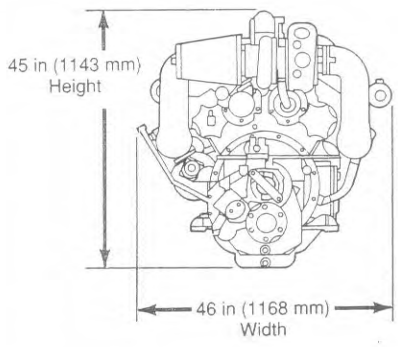
NOTE: Other boats; e.g., fire, police, with an overall duty cycle similar to maximum or intermittent-maximum may be applied at the appropriate rating.

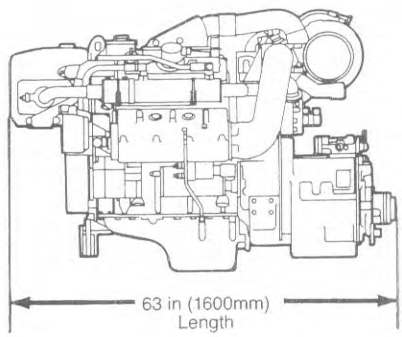
Consult your authorized Detroit Diesel Corporation representative for the rating that will apply to your vessel.

## Dimensional Drawing

Model 8062-3404
6V-92TA

Approximate dimensions shown.
For complete dimensional information, refer to installation drawing 2SA519.





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4SA301 9203 As technical advancements continue, specifications will change. Printed in U.S.A.