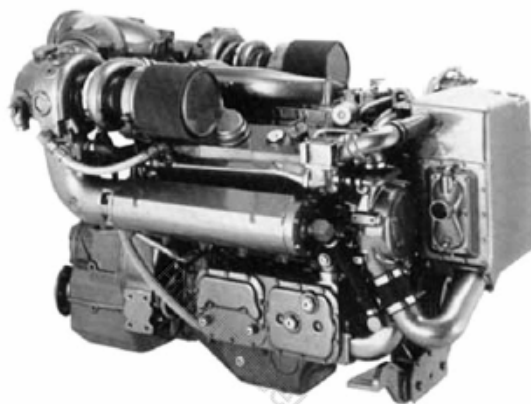


DETROIT DIESEL Series 92

**Marine Model
Pleasure Craft**

8V-92TA 735 BHP



General Specifications

Basic Engine	8V-92TA
Model—Port	8082-3400
Model—Starboard	8082-7400
Description	Turbocharged-Aftercooled with Bypass Blower
Number of Cylinders	8
Bore and Stroke	4.84 in x 5.00 in (123 mm x 127 mm)
Displacement	736 cu in (12.1 liters)
Compression Ratio	17.0 to 1
Weight (dry)	4200 lbs (1905 kg)

Rated Power Output—Maximum

Gross Power	735 BHP (548 kW) @ 2300 RPM
Net Power	720 SHP (537 kW) @ 2300 RPM

Equipment Specifications

Air Inlet Housing—With manual shutdown
Air Silencer—Two
Aftercooler—Two-pass with pre-cooled coolant supply
Alternator—24 volt, 65 amp, flange mounted
Cooling System—Low profile cast iron expansion tank and raw water pump
Crankshaft Pulley—3 grooves, .50 inch wide
Engine Mounts—Resilient mounts for both engine and marine gear
Exhaust System—Fresh water-cooled manifolds and twin turbine housings
Flywheel Housing—SAE #1
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—Detroit Diesel-5111 (1.50, 1.74, 2.04 reduction ratios)
Oil Pan—Cast iron, designed for 0°-15° inclination angle, rear sump
Starting Motor—24 volt

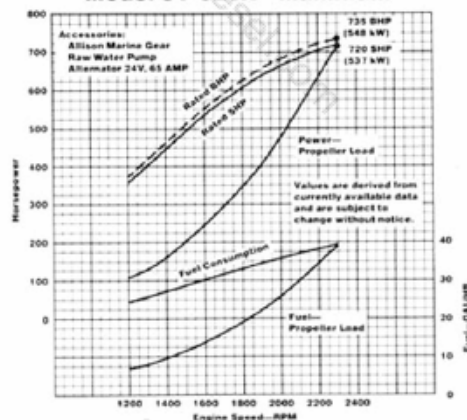
Rating conditions: ISO 3046, SAE J1349, SAE J1228
77°F (25°C) and 29.31 in. Hg. (99kPa) Barometer (Dry)

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 8V-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.

MARINE INTERMITTENT- MAXIMUM The intermittent-maximum rating is reserved for privately-owned yachts with long-range cruising capability and/or used in seasonal charter operation. Normal or continuous cruising RPM should be limited to 90% of the rated engine RPM and the use of full rated power should be limited to 10% (average) of operating time. All boats in this category are limited to a maximum of 1,000 hours per year.

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.

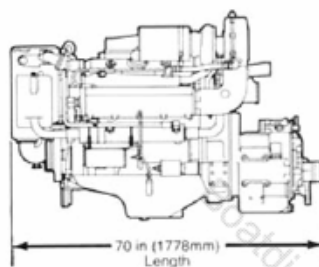
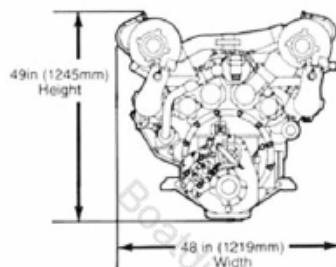
Consult your authorized Detroit Diesel Corporation representative for the rating that will apply to your vessel.

Dimensional Drawing

Model 8082-7400 and 3400
8V-92TA

Approximate dimensions shown.

For complete dimensional information,
refer to installation drawing 2SA520 and 2SA524.



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