General Specifications

Basic Engine: 8V-92TA
Model—Port: 8082-7403
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): 5000 lbs (2268 kg)

Rated Power Output—Maximum

Injectors: 9E80
Gross Power: 365 BHP (272 kW) @ 1800 RPM
Net Power: 350 SHP (261 kW) @ 1800 RPM

Equipment Specifications

Air Inlet Housing—With manual shutdown
Aftercooler—Two-pass jacket coolant supply
Alternator—24 volt, 65 amp, flange mounted
Cooling System—Keel cool with cast iron expansion tank
Crankshaft Pulley—3 grooves, 50 inch wide (available w/o FPTO)
Exhaust System—Fresh water-cooled manifolds and 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—Twin Disc MG-514 (3.4.5, 5.16 & 6:1 reduction ratios)
Oil Pan—Cast iron, designed for 0°-12.5° 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 (99 kPa) 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—Continuous**

**Rating Explanation**

RATED BHP Basic engine gross horsepower.
RATED SHP Net power available at the marine gear output flange.
PROPELLER LOAD indicates power absorbed by a typical fixed pitch propeller.

MARINE CONTINUOUS The marine continuous rating applies to medium or low speed boats (normally of the displacement type) which operate up to 24 hours a day, 365 days a year, at high load factors. Typical examples include tugs, towboats, offshore supply boats, fishing trawlers and draggers.

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

**Dimensional Drawing**

Model 8082-7403
8V-92TA

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