**General Specifications**

<table>
<thead>
<tr>
<th>Basic Engine</th>
<th>16V-92TA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>8162-7400</td>
</tr>
<tr>
<td>Description</td>
<td>Turbocharged-Aftercooled</td>
</tr>
<tr>
<td></td>
<td>with Bypass Blower</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>16</td>
</tr>
<tr>
<td>Bore and Stroke</td>
<td>4.84 in x 5.00 in (123 mm x 127 mm)</td>
</tr>
<tr>
<td>Displacement</td>
<td>1472 cu in (24.1 liters)</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>17.0 to 1</td>
</tr>
<tr>
<td>Weight (dry)</td>
<td>5970 lbs (2714 kg)</td>
</tr>
</tbody>
</table>

**Rated Power Output—Maximum**

| Gross Power    | 1400 BHP (1044 KW) @ 2300 RPM |
| Net Power      | 1350 SHP (1007 KW) @ 2300 RPM  |

**Rated Power Output—Intermittent-Maximum**

| Gross Power    | 1300 BHP (969 KW) @ 2300 RPM |
| Net Power      | 1254 SHP (935 KW) @ 2300 RPM  |

**Equipment Specifications**

- **Aftercooler**—Two-pass, thermostatically control with precooled coolant supply (Boostcooler)
- **Air Inlet Housing**—With manual shutdown
- **Alternator**—24 volt, 65 amp
- **Crankcase vapor collectors with silencers**
- **Crankshaft Pulley**—5 Grooves, 50 inch wide
- **Exhaust Manifold**—Fresh water-cooled manifolds and twin turbine houings
- **Flywheel Housing**—Aluminum SAE #1
- **Fuel System**—Cam operated unit injectors with low pressure USCG type A external hoses, fuel filters and cooler
- **Heat Exchanger**—Plate and frame include 2 raw water pumps & piping
- **Lube Oil Filter**—Dual full flow, spin on
- **Marine Gear**—Available with Detroit Diesel-272EV (1.18, 1.50, 1.74, 2.04) reduction ratios
- **Oil Pan**—Reinforced aluminum 20° rear sump
- **Resilient Adjustable Engine Mounts & Marine Transmission Cradles**
- **Starting Motors**—Two 24 volt
- **Vibration Damper**—Viscous torsional damper

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

Photograph illustrates a typical marine engine

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

Model 16V-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 8162-7400
16V-92TA

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

54 in (1372 mm)
Height

49 in (1245 mm)
Width

104 in (2641 mm)
Length

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4SA307 9402 As technical advancements continue, specifications will change. Printed in U.S.A.