**Marine Generator Set**

**3304B**

*Radiator Cooled*

**50 ekW (63 kVA) 50 Hz @ 1500 rpm**

---

**SPECIFICATIONS**

- **I-4, 4-Stroke-Cycle-Diesel**
  - Emissions: IMO compliant
  - Displacement: 7.0 L (425 cu. in.)
  - Bore: 121 mm (4.75 in.)
  - Stroke: 152 mm (6.0 in.)
  - Aspiration: Naturally Aspirated
  - Governor: Hydra-mechanical or PSG
  - Engine Weight, Net Dry (approx): 1225 kg (2700 lb)
  - Capacity for Liquids
    - Cooling System: (engine & radiator) 32 L (8.5 U.S. gal)
    - Lube Oil System (refill): 22 L (5.75 U.S. gal)
  - Oil Change Interval: 500 hr
  - Caterpillar DEO 10W30 or 15W40
  - Rotation (from flywheel end): Counterclockwise

---

**STANDARD EQUIPMENT**

- **Air Inlet System**
  - Regular duty single stage air cleaner, rain cap
- **Charging System**
  - 24V 35 Amp alternator
- **Cooling System**
  - Engine mounted radiator, blower fan, fan drive, fan guard, oil cooler, thermostat and housing, gear driven centrifugal jacket water pump
- **Exhaust System**
  - Watercooled manifold and turbocharger; dry flange 76 mm (3 in.)
- **Flywheel and Flywheel Housing**
  - SAE No. 1 (156 teeth)
- **Fuel System**
  - Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines
- **Generator and Attachments**
  - Brushless PM excited SR4 generator
- **Instruments**
  - RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter
- **Lube System**
  - Top-mounted crankcase breather, oil filter, LH oil level gauge
- **Mounting System**
  - Supports, narrow base
- **Starting System**
  - 24 Volt electric starting motor
- **General**
  - Caterpillar yellow paint, lifting eyes

---

**ACCESSORY EQUIPMENT**

- **Air Starting Motor**
- **Alarm Contactor** — Oil Pressure, Water Temperature
  - 24V 60 Amp Alternator
- **Auxiliary Drive Pulley**
- **Digital Tachometer**
- **Double Wall Fuel Lines and Drain**
- **12V Electric Gauges** — Oil Pressure, Water Temperature
- **24V or 32V Electric Gauges** — Oil Pressure, Water Temp.
- **Electric Shutoffs** — Oil Pressure, Water Temperature, Overspeed
- **12V Electric Starting Motor**
- **Ether Starting Aid**
- **Exhaust Elbow, Pipe, Flexible Fittings**
- **Extension Terminal Box**
- **High Capacity Radiator and Fan Drive**
- **Hydraulic Pump Drive**
- **Low Voltage Connections**
- **Magnetic Pickup**
- **Manual Shutoff Lever**
- **Manual Voltage Control**
- **Mechanical Overspeed Contactor**
- **Mechanical Tachometer Drive**
- **Paralleling Kit**
- **RFI Filter**
- **RH Oil Level Gauge**
- **Solenoid Shutoff** — 12V or 24V, ETR or ETS
- **Spare Parts Kit**
- **Terminal Strip Connections**

---

**PERFORMANCE DATA**

Naturally Aspirated

<table>
<thead>
<tr>
<th>DM4053-00</th>
<th>50 ekW (.8 pf) 63 kVA</th>
</tr>
</thead>
<tbody>
<tr>
<td>% load</td>
<td>ekW</td>
</tr>
<tr>
<td>100</td>
<td>52</td>
</tr>
<tr>
<td>76</td>
<td>40</td>
</tr>
<tr>
<td>52</td>
<td>27</td>
</tr>
<tr>
<td>23</td>
<td>12</td>
</tr>
</tbody>
</table>
3304B MARINE GENERATOR SET — 50 ekW (63 kVA)

**DIMENSIONS***

<table>
<thead>
<tr>
<th></th>
<th>mm</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>2400.0</td>
<td>94.5</td>
</tr>
<tr>
<td>Length from front to rear face of block</td>
<td>1080.8</td>
<td>42.6</td>
</tr>
<tr>
<td>Length from rear face of block to back of generator</td>
<td>1131.9</td>
<td>44.6</td>
</tr>
<tr>
<td>Overall Height</td>
<td>1273.5</td>
<td>50.1</td>
</tr>
<tr>
<td>Height from crankshaft centerline to top of engine</td>
<td>803.5</td>
<td>31.6</td>
</tr>
<tr>
<td>Height from crankshaft centerline to bottom of rails</td>
<td>470.0</td>
<td>18.5</td>
</tr>
<tr>
<td>Overall Width</td>
<td>979.4</td>
<td>38.6</td>
</tr>
<tr>
<td>Width from crankshaft centerline to port side (left side)</td>
<td>436.6</td>
<td>17.2</td>
</tr>
<tr>
<td>Width from crankshaft centerline to starboard side (right side)</td>
<td>542.8</td>
<td>21.4</td>
</tr>
<tr>
<td>Customer mounting hole diameter</td>
<td>20.5</td>
<td>0.8</td>
</tr>
<tr>
<td>Width from crankshaft centerline to side</td>
<td>302.3</td>
<td>11.9</td>
</tr>
<tr>
<td>Length from rear face of block to mounting hole</td>
<td>678.5</td>
<td>26.7</td>
</tr>
<tr>
<td>Rear</td>
<td>445.5</td>
<td>17.5</td>
</tr>
</tbody>
</table>

**CATERPILLAR SR4 GENERATOR**

Type . . . . . . . . . . . . Brushless, revolving field, permanent magnet excited

Construction . . . . . Single bearing, close coupled
Three-phase . . . . . 12 wire, wye or delta connected
Insulation . . . . . Class F with tropicalization and anti-abrasion

Voltage Regulator . . . . . . Generator mounted, volts-per-hertz
Voltage Regulation . . . . ±1/2%
Voltage Gain . . . . . . . . . . . Adjustable

Generator Weight, Net (approx) 365 frame . . . . . . . . . . . . 381 kg (840 lb)

Space Heater
Voltages Available (adjustable +10%, -5%) 50 Hz — 190-380 volts

Meets or exceeds Marine Society requirements

**RATING CONDITIONS**

<table>
<thead>
<tr>
<th>Engine Performance Parameters</th>
<th>±3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td></td>
</tr>
<tr>
<td>Specific Fuel Consumption</td>
<td>±3%</td>
</tr>
<tr>
<td>Fuel Rate</td>
<td>±5%</td>
</tr>
</tbody>
</table>

**Ratings** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

**Fuel rates** are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers’ engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar’s control.

TMI Reference No.: DM4053-00 (6-15-01)
Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.

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**MARINE GENERATOR SET 3304B**  
**Radiator Cooled**  
**65 ekW (81 kVA) 60 Hz @ 1800 rpm**

**SPECIFICATIONS**

I-4, 4-Stroke-Cycle-Diesel  
Emissions ..................... IMO compliant  
Displacement ..................... 7.0 L (425 cu. in.)  
Bore ............................. 121 mm (4.75 in.)  
Stroke, ...................... 152 mm (6.0 in.)  
Aspiration .......................... Naturally Aspirated  
Governor ................. Hydra-mechanical or PSG  
Engine Weight, Net Dry (approx) ....1225 kg (2700 lb)  
Capacity for Liquids  
  Cooling System  
    (engine & radiator) ............ 32 L (8.5 U.S. gal)  
    Lube Oil System (refill) .......... 22 L (5.75 U.S. gal)  
Oil Change Interval .......................... 500 hr  
  Caterpillar DEO 10W30 or 15W40  
Rotation (from flywheel end) ...... Counterclockwise

**STANDARD EQUIPMENT**

Air Inlet System  
  Regular duty single stage air cleaner, rain cap

Charging System  
  24V 35 Amp alternator

Cooling System  
  Engine mounted radiator, blower fan, fan drive, fan guard, oil cooler, thermostat and housing, gear driven centrifugal jacket water pump

Exhaust System  
  Watercooled manifold and turbocharger; dry flange 76 mm (3 in.)

Flywheel and Flywheel Housing  
  SAE No. 1 (156 teeth)

Fuel System  
  Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines

Generator and Attachments  
  Brushless PM excited SR4 generator

Instruments  
  RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System  
  Top-mounted crankcase breather, oil filter, LH oil level gauge

Mounting System  
  Supports, narrow base

Starting System  
  24 Volt electric starting motor

General  
  Caterpillar yellow paint, lifting eyes

**ACCESSORY EQUIPMENT**

Air Starting Motor
Alarm Contactor — Oil Pressure, Water Temperature  
24V 60 Amp Alternator
Auxiliary Drive Pulley
Digital Tachometer
Double Wall Fuel Lines and Drain
12V Electric Gauges — Oil Pressure, Water Temperature  
24V or 32V Electric Gauges — Oil Pressure, Water Temp.
Electric Shutoffs — Oil Pressure, Water Temp., Overspeed  
12V Electric Starting Motor
Ether Starting Aid
Exhaust Elbow, Pipe, Flexible Fittings
Extension Terminal Box
High Capacity Radiator and Fan Drive
Hydraulic Pump Drive
Low Voltage Connections
Magnetic Pickup
Manual Shutoff Lever
Manual Voltage Control
Mechanical Overspeed Contactor
Mechanical Tachometer Drive
Paralleling Kit
RFI Filter
RH Oil Level Gauge
Solenoide Shutoff — 12V or 24V, ETR or ETS
Spare Parts Kit
Terminal Strip Connections

**PERFORMANCE DATA**

Naturally Aspirated

<table>
<thead>
<tr>
<th>% load</th>
<th>ekW</th>
<th>Lph</th>
<th>gph</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>69</td>
<td>24.9</td>
<td>6.6</td>
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<tr>
<td>76</td>
<td>53</td>
<td>17.2</td>
<td>4.5</td>
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<tr>
<td>53</td>
<td>36</td>
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<td>3.3</td>
</tr>
<tr>
<td>24</td>
<td>17</td>
<td>7.6</td>
<td>2.0</td>
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</table>
3304B MARINE GENERATOR SET — 65 ekW (81 kVA)

RATING CONDITIONS

<table>
<thead>
<tr>
<th>Engine Performance Parameters</th>
<th>±3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td></td>
</tr>
<tr>
<td>Specific Fuel Consumption</td>
<td>±3%</td>
</tr>
<tr>
<td>Fuel Rate</td>
<td>±5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ratings</th>
<th>are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel rates</td>
<td>are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).</td>
</tr>
</tbody>
</table>

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

DIMENSIONS*

<table>
<thead>
<tr>
<th>Overall Length</th>
<th>mm</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length from front to rear face of block</td>
<td>2400.0</td>
<td>94.5</td>
</tr>
<tr>
<td>Length from rear face of block to back of generator</td>
<td>1080.8</td>
<td>42.6</td>
</tr>
<tr>
<td>Overall Height</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height from crankshaft centerline to top of engine</td>
<td>1131.9</td>
<td>44.6</td>
</tr>
<tr>
<td>Height from crankshaft centerline to bottom of rails</td>
<td>803.5</td>
<td>31.6</td>
</tr>
<tr>
<td>Overall Width</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width from crankshaft centerline to port side (left side)</td>
<td>470.0</td>
<td>18.5</td>
</tr>
<tr>
<td>Width from crankshaft centerline to starboard side (right side)</td>
<td>436.6</td>
<td>17.2</td>
</tr>
<tr>
<td>Customer mounting hole diameter</td>
<td>542.8</td>
<td>21.4</td>
</tr>
<tr>
<td>Width from crankshaft centerline to side</td>
<td>479.4</td>
<td>18.6</td>
</tr>
<tr>
<td>Length from rear face of block to mounting hole</td>
<td>445.5</td>
<td>17.5</td>
</tr>
</tbody>
</table>

CATERPILLAR SR4 GENERATOR

Type ........ Brushless, revolving field, permanent magnet excited
Construction .... Single bearing, close coupled
Three-phase . . 12 wire, wye or delta connected
Insulation....... Class F with tropicalization and anti-abrasion
Voltage Regulator ........ Generator mounted, volts-per-hertz
Voltage Regulation.................. ±1/2%
Voltage Gain......................... Adjustable
Generator Weight, Net (approx) 365 frame.................. 381 kg (840 lb)
Space Heater
Voltages Available (adjustable +10%, -5%)
60 Hz — 220-440 volts
Meets or exceeds Marine Society requirements

*Illustrations and dimensions from drawing: 128-3807.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers’ engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar’s control.

The International System of Units (SI) is used in this publication.

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Marine Generator Set 3304B

50 ekW (63 kVA) 50 Hz @ 1500 rpm

SPECIFICATIONS

I-4, 4-Stroke-Cycle-Diesel

Emissions .................................. IMO compliant
Displacement .............................. 7.0 L (425 cu. in.)
Bore ........................................ 121 mm (4.75 in.)
Stroke ...................................... 152 mm (6.0 in.)
Aspiration ................................. Naturally Aspirated
Governor ................................. Hydra-mechanical or PSG
Engine Weight, Net Dry (approx)
Heat Exchanger Cooled ............... 1177 kg (2595 lb)
Keel Cooled ............................... 1154 kg (2545 lb)
Capacity for Liquids
Cooling System (engine only) . . . . 13 L (3.5 U.S. gal)
Lube Oil System (refill) ............... 22 L (5.7 U.S. gal)
Oil Change Interval ...................... 500 hr
Caterpillar DEO 10W30 or 15W40
Rotation (from flywheel end) ........... Counterclockwise

STANDARD EQUIPMENT

Air Inlet System
Regular duty single stage air cleaner, rain cap

Charging System
24V 35 Amp alternator

Cooling System
Gear driven self priming centrifugal auxiliary water pump with rubber impeller (heat exchanger engines), gear driven centrifugal jacket water pump, oil cooler, engine mounted heat exchanger with removable tube bundle and replaceable copper-nickel tubes (heat exchanger engines), expansion tank, thermostat and housing

Exhaust System
Watercooled manifold and turbocharger, dry flange 76 mm (3 in.)

Flywheel and Flywheel Housing
SAE No. 1 (156 teeth)

Fuel System
Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines

Generator and Attachments
Brushless PM excited SR4 generator

Instruments
RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System
Top-mounted crankcase breather, oil filter, LH oil level gauge, oil pan

Mounting System
Supports

Starting System
24 Volt electric starting motor

General
Caterpillar yellow paint, lifting eyes

ACCESSORY EQUIPMENT

Air Starting Motor

Alarm Contactor — Oil Pressure, Water Temperature
12V 51 Amp, 24V 35 Amp or 60 Amp Alternator

Auxiliary Drive Pulley

Digital Tachometer

Double Wall Fuel Lines and Drain

12V Electric Gauges — Oil Pressure, Water Temperature
24V or 32V Electric Gauges — Oil Pressure, Water Temp.

Electric Shutoffs — Oil Pressure, Water Temperature, Overspeed

12V Electric Starting Motor

Ether Starting Aid

Exhaust Elbow, Pipe, Flexible Fittings

Extension Terminal Box

Hydraulic Pump Drive and Adapter

Low Voltage Connections

Magnetic Pickup

Manual Shutoff Lever

Manual Voltage Control

Mechanical Tachometer Drive

Mechanical Overspeed Contactor

Paralleling Kit

RFI Filter

RH Oil Level Gauge

Solenoid Shutoff — 12V or 24V, ETR or ETS

Spare Parts Kit

Terminal Strip Connections

PERFORMANCE DATA

Naturally Aspirated

TM1975-01

<table>
<thead>
<tr>
<th>% load</th>
<th>ekW</th>
<th>Lph</th>
<th>gph</th>
</tr>
</thead>
<tbody>
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<td>100</td>
<td>50</td>
<td>16.1</td>
<td>4.3</td>
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<tr>
<td>70</td>
<td>35</td>
<td>11.4</td>
<td>3.0</td>
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<tr>
<td>50</td>
<td>25</td>
<td>8.8</td>
<td>2.3</td>
</tr>
<tr>
<td>20</td>
<td>10</td>
<td>5.2</td>
<td>1.4</td>
</tr>
</tbody>
</table>
3304B MARINE GENERATOR SET — 50 ekW (63 kVA)

RATING CONDITIONS

Engine Performance Parameters
Power ........................................... +3%
Specific Fuel Consumption ............... +3%
Fuel Rate ....................................... +5%

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

DIMENSIONS*

<table>
<thead>
<tr>
<th>Dimension Description</th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>2007.1 (79.0)</td>
<td>2007.1 (79.0)</td>
</tr>
<tr>
<td>Length from front to rear face of block</td>
<td>1932.4 (76.1)</td>
<td>1932.4 (76.1)</td>
</tr>
<tr>
<td>Length from rear face of block to back of generator</td>
<td>1020.5 (40.2)</td>
<td>1020.5 (40.2)</td>
</tr>
<tr>
<td>Overall Height</td>
<td>1145.2 (45.1)</td>
<td>1145.2 (45.1)</td>
</tr>
<tr>
<td>Height from crankshaft centerline to top of engine</td>
<td>827.7 (32.6)</td>
<td>827.7 (32.6)</td>
</tr>
<tr>
<td>Height from crankshaft centerline to bottom of rails</td>
<td>317.5 (12.5)</td>
<td>317.5 (12.5)</td>
</tr>
<tr>
<td>Overall Width</td>
<td>917.7 (36.1)</td>
<td>917.7 (36.1)</td>
</tr>
<tr>
<td>Width from crankshaft centerline to port side (left side)</td>
<td>374.9 (14.8)</td>
<td>374.9 (14.8)</td>
</tr>
<tr>
<td>Width from crankshaft centerline to starboard side (right side)</td>
<td>542.8 (21.4)</td>
<td>542.8 (21.4)</td>
</tr>
<tr>
<td>Customer mounting hole diameter</td>
<td>17.5 (0.7)</td>
<td>22.5 (0.9)</td>
</tr>
<tr>
<td>Width from crankshaft centerline to side</td>
<td>285.8 (11.3)</td>
<td>285.8 (11.3)</td>
</tr>
<tr>
<td>Length from rear face of block to mounting holes</td>
<td>407.1 (16.0)</td>
<td>483.3 (19.0)</td>
</tr>
</tbody>
</table>

*Illustrations and dimensions from drawing: 118-7826.

CATERPILLAR SR4 GENERATOR

Type ...... Brushless, revolving field, permanent magnet excited
Construction ...... Single bearing, close coupled
Three-phase ...... 12 wire, wye or delta connected
Insulation ........ Class F with tropicalization and anti-abrasion
Voltage Regulator ....... Generator mounted, volts-per-hertz
Voltage Regulation ........... ±1/2%
Voltage Gain .................... Adjustable
Generator Weight, Net (approx) 365 frame .................. 381 kg (840 lb)
Space Heater
Voltagess Available (adjustable +10%, -5%)
50 Hz — 190-380 volts
Meets or exceeds Marine Society requirements

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers’ engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar’s control.

TMI Reference No.: TM1975-01 (6-18-01)
Materials and specifications are subject to change without notice.

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Marine Generator Set
3304B

65 ekW (81 kVA) 60 Hz @ 1800 rpm

SPECIFICATIONS

I-4, 4-Stroke-Cycle-Diesel

- Emissions: IMO compliant
- Displacement: 7.0 L (425 cu. in.)
- Bore: 121 mm (4.75 in.)
- Stroke: 152 mm (6.0 in.)
- Aspiration: Naturally Aspirated
- Governor: Hydra-mechanical or PSG

Engine Weight, Net Dry (approx)
- Heat Exchanger Cooled: 1177 kg (2595 lb)
- Keel Cooled: 1154 kg (2545 lb)

Capacity for Liquids
- Cooling System (engine only): 13 L (3.5 U.S. gal)
- Lube Oil System (refill): 22 L (5.7 U.S. gal)

Oil Change Interval: 500 hr
- Caterpillar DEO 10W30 or 15W40

Rotation (from flywheel end): Counterclockwise

ACCESSORY EQUIPMENT

Air Starting Motor
- Alarm Contactor — Oil Pressure, Water Temperature
- 12V 51 Amp, 24V 35 Amp or 60 Amp Alternator

Auxiliary Drive Pulley

Digital Tachometer

Double Wall Fuel Lines and Drain
- 12V Electric Gauges — Oil Pressure, Water Temperature
- 24V or 32V Electric Gauges — Oil Pressure, Water Temp.

Electric Shutoffs — Oil Pressure, Water Temperature, Overspeed
- 12V Electric Starting Motor

Ether Starting Aid

Exhaust Elbow, Pipe, Flexible Fittings

Extension Terminal Box

Hydraulic Pump Drive and Adapter

Low Voltage Connections

Magnetic Pickup

Manual Shutoff Lever

Manual Voltage Control

Mechanical Tachometer Drive

Mechanical Overspeed Contactor

Paralleling Kit

RFI Filter

RH Oil Level Gauge

Solenoid Shutoff — 12V or 24V, ETR or ETS

Spare Parts Kit

Terminal Strip Connections

PERFORMANCE DATA

Naturally Aspirated

<table>
<thead>
<tr>
<th>% load</th>
<th>ekW</th>
<th>Lph</th>
<th>gph</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>65</td>
<td>22.7</td>
<td>6.0</td>
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<tr>
<td>77</td>
<td>50</td>
<td>16.5</td>
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<tr>
<td>54</td>
<td>35</td>
<td>12.3</td>
<td>3.2</td>
</tr>
<tr>
<td>39</td>
<td>25</td>
<td>9.8</td>
<td>2.6</td>
</tr>
</tbody>
</table>

Shown with Accessory Equipment
3304B MARINE GENERATOR SET — 65 ekW (81 kVA)

**Engine Performance Parameters**
- Power: +3%
- Specific Fuel Consumption: +3%
- Fuel Rate: ±5%

**Ratings** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

**Fuel rates** are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

**CATERPILLAR SR4 GENERATOR**

- **Type**: Brushless, revolving field, permanent magnet excited
- **Construction**: Single bearing, close coupled
- **Insulation**: Class F with tropicalization and anti-abrasion
- **Voltage Regulator**: Generator mounted, volts-per-hertz
- **Voltage Gain**: Adjustable
- **Generator Weight, Net (approx)**: 381 kg (840 lb)
- **Space Heater**
- **Voltages Available (adjustable +10%, -5%)**
  - 60 Hz — 220-440 volts
- **Meets or exceeds Marine Society requirements**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>mm</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>2007.1</td>
<td>79.0</td>
</tr>
<tr>
<td>Length from front to rear face of block</td>
<td>986.6</td>
<td>38.8</td>
</tr>
<tr>
<td>Length from rear face of block to back of generator</td>
<td>1020.5</td>
<td>40.2</td>
</tr>
<tr>
<td>Overall Height</td>
<td>1145.2</td>
<td>45.1</td>
</tr>
<tr>
<td>Height from crankshaft centerline to top of engine</td>
<td>827.7</td>
<td>32.6</td>
</tr>
<tr>
<td>Height from crankshaft centerline to bottom of rails</td>
<td>317.5</td>
<td>12.5</td>
</tr>
<tr>
<td>Overall Width</td>
<td>917.7</td>
<td>36.1</td>
</tr>
<tr>
<td>Width from crankshaft centerline to port side (left side)</td>
<td>374.9</td>
<td>14.8</td>
</tr>
<tr>
<td>Width from crankshaft centerline to starboard side (right side)</td>
<td>542.8</td>
<td>21.4</td>
</tr>
<tr>
<td>Customer mounting hole diameter</td>
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<td></td>
</tr>
<tr>
<td>Width from crankshaft centerline to side</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length from rear face of block to mounting holes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RATING CONDITIONS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power</strong></td>
<td>±3%</td>
</tr>
<tr>
<td><strong>Specific Fuel Consumption</strong></td>
<td>±3%</td>
</tr>
<tr>
<td><strong>Fuel Rate</strong></td>
<td>±5%</td>
</tr>
</tbody>
</table>

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers’ engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar’s control.

TMI Reference No.: TM8324-01 (6-15-01)
Materials and specifications are subject to change without notice.

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