HEAT EXCHANGER COOLED CONTINUOUS DUTY GEN SET

MARINE LEADER  Model number: ML8.5IMHD

Generator Set Specifications
- Isuzu 3CB1 Diesel 3 Cylinder 1800 rpm Engine
- Marathon Brushless Generator End with Automatic Voltage Regulator
- Isuzu Control Panel (Indicator Lights, Hour Meter and Key Switch)
- Safety Shutdown System (Low Oil Pressure & High Coolant Temperature)
- Mechanical Fuel System
- Stainless Steel Wet Exhaust Elbow
- Jabsco Sea Water Pump
- Heat Exchanger with Zinc Anode
- Industrial Air Cleaner
- Front Engine Support Legs
- Rear Generator Support Legs
- Vibration Isolators
- Belt Guard
- 12 Volt Electrics
- Electric Fuel Pump
- Oil and Fuel Filters
- Owner's Manual
- 2 Year 2,000 Hour Engine Warranty
- 1 Year 1,000 Hour Generator Warranty

Generator Ratings

<table>
<thead>
<tr>
<th>PH</th>
<th>Voltage</th>
<th>HZ</th>
<th>Continuous Rating</th>
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<tbody>
<tr>
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<td>KW</td>
</tr>
<tr>
<td>1</td>
<td>120</td>
<td>60</td>
<td>8.5</td>
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<tr>
<td>1</td>
<td>240</td>
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<td>3</td>
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M&L ENGINE, LLC
1212 Saint Charles St. Houma, LA 70360
(985) 857-8000 ♦ (800) 960-0068
www.mlengine.com email: sales@mlengine.com
**Engine Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Manufacturer</td>
<td>Isuzu</td>
</tr>
<tr>
<td>Engine Model</td>
<td>3CA1</td>
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<tr>
<td>Cylinder Arrangement</td>
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<tr>
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<td>Horse Power at Rated RPM (bhp)</td>
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<td>Frequency Regulation</td>
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<td>Air Cleaner</td>
<td>Replaceable Element</td>
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</table>

**Lubrication System:**

- Oil Capacity w/out filter, qt: 3.59
- Oil Filter Type: Spin-on

**Fuel System:**

- Fuel Shutoff Solenoid: Electric
- Fuel Pump: Electric
- Fuel Pump Priming: Electric
- Fuel Line Supply: 5/16
- Fuel Line Return: 5/16

**Cooling System:**

- Engine Coolant Capacity, qt: 0.95

**Approx Fuel Consumption, (GPH):**

- 100% Load: .79
- 75% Load: .60
- 50% Load: .40

**Generator Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Manufacturer</td>
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<td>Model</td>
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<td>Type</td>
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<td>Coupling</td>
<td>Direct Bolt-Up</td>
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<tr>
<td>Continuous Rating</td>
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</tr>
</tbody>
</table>

- Standard
  - Isuzu Panel

- Optional
  - Murphy
    - Mechanical
      - 4 Gauge Panel

**Optional Accessories**

- 10 ft Wire Harness Extension for Isuzu Panel
- Racor Fuel / Water Separator
- 12 Volt Battery - Gr 24
- 12 Volt Battery Charger
- Battery Cables
- Oil Drain Valve
- Air Starter
- Mainline Breaker
- Welded Steel Skid
- Murphy Mechanical 4 Gauge Panel with Custom Length Wire Harness Extension
- Optional Sealed Fiberglass Box

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**Dimensions and Weights**

- Overall Dimensions: 40" L x 28" H x 26" W
- Vibration Isolator: 4.5" Bolt hole center to center
- Fuel line in and out on right side of engine (looking from behind flywheel)

- Genset Weight: 606 lbs.

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