RV generator set
Quiet Gasoline™ Series
RV QG 5500

Features and benefits
- Quietest in its class.
- Exceptionally low vibration levels.
- Integrated design with enclosed muffler for easy installation.
- Self-diagnostic capability to simplify troubleshooting.
- Runs one or two air conditioners with power to spare.
- Digital voltage regulation for stability as appliance loads change.
- 3-year limited warranty, lifetime drive warranty.
- Gasoline or LP fueled.

Weight, size and sound level

| Weight | 279 lbs (127 kg) |
| Length | 33.6 in (853 mm) |
| Width  | 22.2 in (563 mm) |
| Height | 16.7 in (425 mm) |
| Sound  | 67 dB(A) Readings at 10 ft (3 m) half load |

- Meets National Park Service sound level requirements (60 dB(A) @ 50 ft) for national park use.
- Typical installation will further reduce sound level.

Models and ratings

<table>
<thead>
<tr>
<th>Model</th>
<th>Fuel</th>
<th>Hz</th>
<th>RPM</th>
<th>Watts</th>
<th>Voltage</th>
<th>Amps</th>
<th>Phase</th>
<th>Circuit breaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 HGJAB-1270</td>
<td>LP vapor</td>
<td>60</td>
<td>2400</td>
<td>5500</td>
<td>120</td>
<td>45.8</td>
<td>1</td>
<td>(2) 30 A</td>
</tr>
<tr>
<td>5.5 HGJAB-1119</td>
<td>LP vapor</td>
<td>60</td>
<td>2400</td>
<td>5500</td>
<td>120</td>
<td>45.8</td>
<td>1</td>
<td>(1) 30 A, (1) 20 A HACR</td>
</tr>
<tr>
<td>5.5 HGJAB-1038</td>
<td>Gasoline</td>
<td>60</td>
<td>2400</td>
<td>5500</td>
<td>120</td>
<td>45.8</td>
<td>1</td>
<td>(2) 30 A</td>
</tr>
<tr>
<td>5.5 HGJAB-901</td>
<td>Gasoline</td>
<td>60</td>
<td>2400</td>
<td>5500</td>
<td>120</td>
<td>45.8</td>
<td>1</td>
<td>(1) 30 A, (1) 20 A HACR</td>
</tr>
<tr>
<td>5.5 HGJAB-6755*</td>
<td>Gasoline</td>
<td>60</td>
<td>2400</td>
<td>5500</td>
<td>120</td>
<td>45.8</td>
<td>1</td>
<td>(1) 30 A, (1) 20 A HACR</td>
</tr>
</tbody>
</table>

Ambient conditions for rated power output with muffler and RV enclosure, per ISO 8528-1:
- Temperature: 77° F (25° C)
- Altitude: 500 ft (152.4 m), (99 kPa dry)

Typical power output change based on ambient conditions:
- Temperature: Power output decreases 1% for every 10° F (5.5° C) increase
- Altitude: Power output decreases 3.5% for every 1000 ft (305 m) increase

Ratings represent minimums. Actual performance may be significantly higher based on installation and operating conditions.

* Evaporative spec: Effective January 1, 2011, gasoline generator sets on trailers, diesel chassis or any other non-motorized mobile apparatus must have an EVAP generator set, approved tank, EVAP canister, hoses and fittings all meeting the CARB Tier 3 and EPA phase 3 standards and specifications. This law applies in all 50 states.

Operating temperature range

<table>
<thead>
<tr>
<th>Low</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline</td>
<td>-20° F (-29° C)</td>
</tr>
<tr>
<td>LP</td>
<td>0° F (-18° C)</td>
</tr>
</tbody>
</table>

- Depends upon LP tank capacity, surface area and butane content of LPG.
Standard features

- Mechanical governor adjustable from service side
- Cummins Onan OHV engine
- Pressurized Thru Flow cooling system
- 4-point focalized mounting system with vibration isolators
- Universal mounting tray with structural capability to support the generator set in RV applications
- Integral USDA Forest Service-approved spark-arrestor muffler
- Replaceable dry element air cleaner
- Integral control box
- Instant one-touch stop switch
- Automatic choke
- Fuel filter
- Electric fuel pump (gasoline), electric fuel solenoid (LPG)
- Positive fuel shutoff (3 psi)
- Enclosed muffler
- Sound-attenuated housing
- Remote waterproof connector
- Automotive type starter with automatic start disconnect
- Spin-on, full-flow oil filter
- Low oil pressure protection
- Over/under speed protection
- Overcurrent protectors (see Models and ratings section)
- Low power factor field overcurrent protection
- 120 in (3 m) generator set output leads
- Digital voltage regulation

Model: Cummins Onan OHV EH65V gasoline engine
Design: 4-cycle, OHV, 90-degree V-Twin
Compression ratio: 8:1
Displacement: 39.8 in³ (653 cm³)
Maximum power: Gasoline-fueled models: 12.9 bhp (9.6 kW), LP-fueled models: 10.7 bhp (8.0 kW)
Cooling: Centrifugal blower, generator set mounted for high effectiveness, pressurized system, vertical flow
Cooling air volume: Air includes engine, generator set control cooling air flow
60 Hz at 500 ft³/min (14.2 m³/min)
50 Hz at 417 ft³/min (11.8 m³/min)
Fuel System: Replaceable dry element air cleaner
- (Gasoline) side-draft carburetor
- Electronic fuel pump with positive fuel shutoff (3 psi), fuel lift 3 ft (0.9 m)
- Automatic choke with vacuum pull-off
- Combustion air volume at rated load: 14.6 ft³/min (0.41 m³/min)
- (LPG) side-draft mixer with demand regulator
- Combustion air volume at rated load: 14.9 ft³/min (0.42 m³/min)
Ignition system: Electronic magneto type with resistor plugs
Starting system: Remote, 12 V, 3-wire, negative ground automotive type starter with steel pinion and ring gear, automatic start disconnect, connector for remote start cable, start-stop rocker switch mounted on set control
Lubrication: Full pressure positive displacement lube oil pump, spin-on, full flow lube oil filter, low oil pressure shutdown, dipstick
Oil capacity: 2.0 qt (1.9 L) including filter
Cylinder crankcase: Alloy aluminum with iron cylinder liners cast into the block, aluminum oil base
Cylinder head: Aluminum, OHV
DC brushes: Electrographite; long life
Bearing: Double-sealed pre-lubricated ball bearings

Average fuel consumption:

<table>
<thead>
<tr>
<th></th>
<th>No load</th>
<th>Half load</th>
<th>Full load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline</td>
<td>0.3 Gal/h (1.3 L/h)</td>
<td>0.6 Gal/h (2.3 L/h)</td>
<td>0.9 Gal/h (3.6 L/h)</td>
</tr>
<tr>
<td>LPG:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60 Hz</td>
<td>0.4 Gal/h (1.8 lb/h) 0.8 kg/h</td>
<td>0.8 Gal/h (3.3 lb/h) 1.5 kg/h</td>
<td>1.1 Gal/h (4.6 lb/h) 2.1 kg/h</td>
</tr>
</tbody>
</table>

Alternator details

Design: Cummins Onan revolving field, AC, 2-pole self-excited, two bearing design
Insulation system and temperature rise: Meets ANSI/RVIA EGS-1 and CSA Electrical Bulletin 946 requirements.
Cooling: Direct drive centrifugal blower. Cast aluminum housing for excellent heat transfer
Excitation: Capped, digital voltage regulation
Rotor: Laminated electrical steel assembly press-fitted to shaft, balanced. Heavy insulated copper wire windings; optimized air gap for improved waveform and motor starting
Stator: Laminated electrical steel assembly, skewed for improved waveform; heavy insulated copper wire windings
Air conditioner starting: One 13500 Btu air conditioner with 3000 W base load or two 11000 Btu air conditioners with 1500 W base load at 100° F (38° C) at 500 ft (152.4 m) elevation
Frequency and voltage regulation: No load to full load, frequency <5%, voltage 1.1%
**Accessories**

- Remote start/stop rocker switch (P/N 300-5331)
- Remote control with start/stop switch and running time meter (P/N 300-5332)
- Remote control w/start/stop switch and DC voltmeter (P/N 300-5333)
- Remote control plug and wire harness; 10 ft (P/N 338-3489-01), 30 ft (P/N 338-3489-02)
- Battery, 12 V, 360 cold cranking amps at 0° F (-18° C)
- LPG vapor fuel conversion kit (P/N 148-1161)
- Under floor mounting kit (P/N 405-6699)
- Installation template (P/N 539-2057)
- Tailpipe kits: 22 in (P/N 155-3481-01), 26 in (P/N 155-3481-02)
- Exhaust tube, straight with flanged end: 3 in (P/N 155-2610), 7 in (P/N 155-2424), 12.5 in (P/N 155-2610-01)
- Energy command auto generator start EC-30 (P/N 018-02030)
- Energy command remote start/stop with diagnostics EC-20 (P/N 018-02020)
- Energy command wireless start/stop EC-15W (P/N 018-02015)

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**Note:** This outline drawing is provided for general reference only and is not intended for design or installation. For more information see Operation and Installation manuals or obtain 500-3234 drawing and wiring diagram from your distributor/dealer.
Testing for RV application
- Tested at extremes of temperature -20° F (-29° C) to 120° F (49° C) for starting and operation
- Tested with RV loads, air conditioners, microwaves, converter, TVs, VCRs
- Tested installed. Cummins-owned RVs used for product development testing
- Tested in high humidity conditions
- Tested in salt spray conditions
- Tested in heavy airborne dust conditions
- Field test program
- 60 Hz (120 V only) models listed by SGS United States Testing Company, Inc. per ANSI/RVIA EGS-1 and CSA-certified per Electrical Bulletin 946
- This generator set was designed and manufactured in facilities certified to ISO 9001
- 60 Hz models meet applicable U.S. EPA and California emissions standards

After sale support

Complete line of parts and accessories
Cummins Inc offers replacement and tune-up parts, accessories, oil and maintenance chemicals - all specially designed to help keep your Cummins Onan generator set running at peak performance. Cummins Inc. also provides genuine Onan Green Label Parts™ that exactly match generator set specifications and will help maximize power output and extend the life of your generator set.

Largest distributor/dealer support network
Cummins Onan generator sets are supported by the largest and best trained worldwide certified distributor/dealer network in the industry. This network of knowledgeable Cummins Onan distributor/dealers will help you select and install the right generator set and accessories to meet the requirements of your specific application. This same network offers a complete selection of commonly used generator set maintenance parts, accessories and products plus manuals and specification sheets. Plus, they can answer your questions regarding proper operation, maintenance schedules and more.

Manuals: Operation and installation manuals ship with the generator set. To obtain additional copies or other manuals for this model, see your Cummins Onan distributor/dealer and request the following manual numbers: Operation (983-0101B), Installation (983-0600B), Parts (983-0201D), Service (983-0501D).

To easily locate the nearest Cummins Onan distributor/dealer in your area, or for more information, contact us at 1-800-888-6626 (or 763-574-5000), or visit www.cumminsonan.com.

Contact your distributor/dealer for more information

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A-1425h (2/11)