



Specification Sheet

RV generator set Quiet Gasoline™ Series RV QG 7000 EFI



Features and Benefits

- Electronic fuel injection – industry first for maximum performance.
- Quietest generator set in its class.
- Exceptionally low vibration levels.
- Integrated design with enclosed muffler for easy installation.
- Self-diagnostic capability to simplify troubleshooting
- Runs two air conditioners with power to spare.
- Digital voltage regulation for stability as appliance loads change
- 3-year limited warranty

Weight, Size and Sound Level

Weight	299 lbs	(136 kg)
Length	33.6 in	(853 mm)
Width	22.2 in	(563 mm)
Height	16.7 in	(425 mm)
Sound	70 dB(A)	Readings at 10 ft (3 m), half load

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

Models and Ratings

Model	Fuel	Hz	RPM	Watts	Voltage	Amps	Phase	Circuit breaker
7 HGJAA-97	Gasoline	60	2880	7000	120	58.3	1	(2) 30 A,

- 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

* Evaporative capable spec: For specialized applications required to meet Tier III Evaporative Emissions of the California Air Resources Board. 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

	Low	High
Gasoline	-20° F (-29° C)	120° F (49° C)

- Ambient air temperature measurement.

Standard Features

- Electronic fuel injection (EFI) for clean, smooth running under all conditions
- Maintenance-free electronic governor
- 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
- Enclosed muffler
- Sound-attenuated housing
- Remote waterproof connector
- Long-life fuel filter
- 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
- 2 in exhaust tubes, straight with flanged end

Engine Details

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: 14.0 bhp (10.5 kW)

Cooling: Centrifugal blower, generator set mounted for high effectiveness, pressurized system, vertical flow

Cooling air volume: Air flow includes engine, generator set control cooling air flow

60 Hz at 500 ft³/min (14.2 m³/min)

Fuel system:

- Digitally controlled, electronic fuel injection
- Combustion air volume at rated load: 18.8 ft³/min (0.53 m³/min)
- Electronically controlled throttle body governor regulation
- Coach chassis-mounted, rotary roller vane pump
- Replaceable dry element air cleaner

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, removable

Average Fuel Consumption

Gasoline	No load	Half load	Full load
60 Hz	0.4 Gal/h (1.6 L/h)	0.7 Gal/h (2.7 L/h)	1.1 Gal/h (4.3 L/h)

Alternator Details

Design: Cummins Onan revolving field, AC, 2-pole self-excited, two bearing design

Insulation system and temperature rise: Meets ANSI/RVIA-EGS-1-1998 and CSA TIL RV-06 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

DC brushes: Electrographic; long life

Bearing: Double-sealed pre-lubricated ball bearings

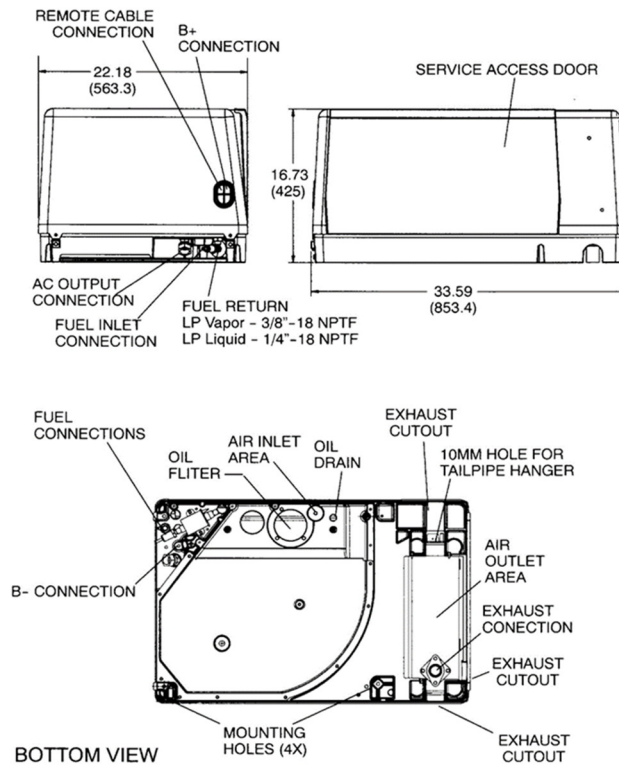
Generator Set Performance

Air conditioner starting: Two 13500 Btu air conditioner with 3500 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 <2%, voltage 0.6%

Basic Dimensions

Dimensions in (mm)



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 drawing 500-3234 and wiring diagram from your distributor/dealer.

Accessories

- Remote control start/stop rocker switch (P/N 300-5331)
- Remote control with start/stop switch and running time meter (P/N 300-5332)
- Remote control with 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)
- LPG vapor fuel conversion kit (P/N 148-1161)
- Under floor mounting kit (P/N 405-6699)
- Installation template (P/N 539-2057)
- Tailpipe kit 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)

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 Std. 100 Motors and Generators and TIL RV-06.
- 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



Warranty Policy

The limited warranty covers any failures of the product resulting from a defect in material or factory workmanship under normal use and service for 3 years from warranty start date or 2,000 hours, whichever occurs first. During the first two years, parts and labor will be covered for all warrantable failures except routine maintenance. During the third year, parts and labor will be covered for major powertrain and generator components. This 3-year, 2000-hour warranty coverage applies to RV generator sets used in RV application. For RV generators used in non-RV application, warranty coverage duration is 1 year from warranty start date or 1,000 hours, whichever occurs first.

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 Onan generator set running at peak performance. Cummins Inc. also provides genuine 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:

Onan generator sets are supported by the largest and best trained worldwide authorized distributor/dealer network in the industry. This network of knowledgeable Cummins 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. 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 (A035D009), Installation (A035D005), Parts (983-020 I15), Service (A035D011).

To easily locate the nearest Cummins distributor/dealer in your area, or for more information, contact us at 1-800-CUMMINS, or www.power.cummins.com

!	WARNING:
Do not use this generator set on a boat. Such use may violate U.S. Coast Guard regulations, and can result in severe personal injury or death from fire, explosion, electrocution, or carbon monoxide poisoning.	

!	WARNING:
Back feed to a utility system can cause electrocution and/or property damage. Do not connect to any building electrical except through an approved device or after building main breaker is open.	

Contact your distributor/dealer for more information.



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