



## RV GenSet

- Compact diesel design perfect for smaller diesel coaches
- High quality sine wave electrical output maximizes appliance efficiency
- Integrated design with enclosed muffler for easy installation and quiet operation
- Runs two air conditioners with power to spare
- Self-diagnostic capabilities simplify troubleshooting
- Focalized, three-point mounting system reduces vibration

## Models and Ratings

Model	Fan	Hz	Watts	Voltage	Amps	Phase	Circuit Breaker
5.5HDKBA-2732	Internal	60	5500	120	45.8	1	(1) 30A and (1) 20A

## Weight, Size and Sound Level

- **Weight:** 400 lbs. (181 kg)
- **Size:** Length 34.5 in, width: 22.4 in, height: 20.3 in
- **Sound:** Readings at 10 ft (3 m) half load: 68 dB(A) in typical RV installation  
Lower than National Park Service Sound Level Requirements (60 dB(A) at 50 ft). Can be used in National Parks.

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## Standard Features

- 2-cylinder diesel engine
- Brush type AC alternator
- Digital voltage regulation w/no adjustments required
- Bottom and side air inlet and outlet
- Integral enclosed muffler with stationary exhaust pipe connection point
- USDA-approved spark arrestor
- Internal radiator
- Sound-insulated cover with cooling air inlet and outlet ducts
- Intake silencer
- Replaceable dry element air cleaner
- Maintenance-free electronic governor
- Fused DC circuits
- Meets U.S. EPA and California 2000 emissions standards
- Waterproof connector for remote operation
- Focalized mounting system
- Overvoltage, low oil pressure, overtemp, overspeed, and overload safeties
- Bulkhead type connections for fuel and battery
- Terminal block connection for AC output
- Electric fuel pump
- Fuel filter
- Full flow oil filter
- Service and maintenance from below
- Automatic timed glow plugs for quick, easy start
- Instant one-touch stop

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## Control System

- Microprocessor control
- Integrated generator and engine control
- User and service personnel accessible diagnostics
- Overvoltage safety
- Low oil pressure safety
- Overspeed safety
- Overload safety
- Automatic timed glow plugs
- One-touch stop

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## Engine Detail

**Design:** 4-cycle, liquid-cooled diesel engine  
**Cylinders:** 2, Inline vertical  
**Bore:** 67 mm (2.64 in)  
**Stroke:** 68 mm (2.68 in)  
**Displacement:** 479 cc (29.2 cu in)  
**Compression Ratio:** 23 to 1  
**Lube Oil Capacity:** 2.0 qt (1.9 L)  
**Average Fuel Consumption:**

Diesel	No Load		Half Load		Full Load	
	gal/h	l/h	gal/h	l/h	gal/h	l/h
5.5HDKBA	0.25	(0.93)	0.41	(1.57)	0.66	(2.51)

**Cooling System Capacity:** 3.1 qt (2.9 L)  
**Power (max) @ 3000 rpm:** 10.7 hp (8.0 kW)  
SAE Net Intermittent  
**Starting System:** Remote, 12 V  
**Fuel Injection Pump:** Zexel, licensed Bosch PFR  
**Combustion Chamber:** IDI

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## Generator Detail

**Design:** Onan, revolving field, AC, 2-pole self-excited, two bearing design  
**Insulation System and Temperature Rise:** Meets ANSI/RVIA EGS-1, and CSA 946 requirements  
**Cooling:** Direct drive centrifugal blower, cast aluminum housing for excellent heat transfer  
**Exciter System:** 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.  
**Brushes:** Electrographic; long life  
**Bearings:** Double-sealed prelubricated ball bearings

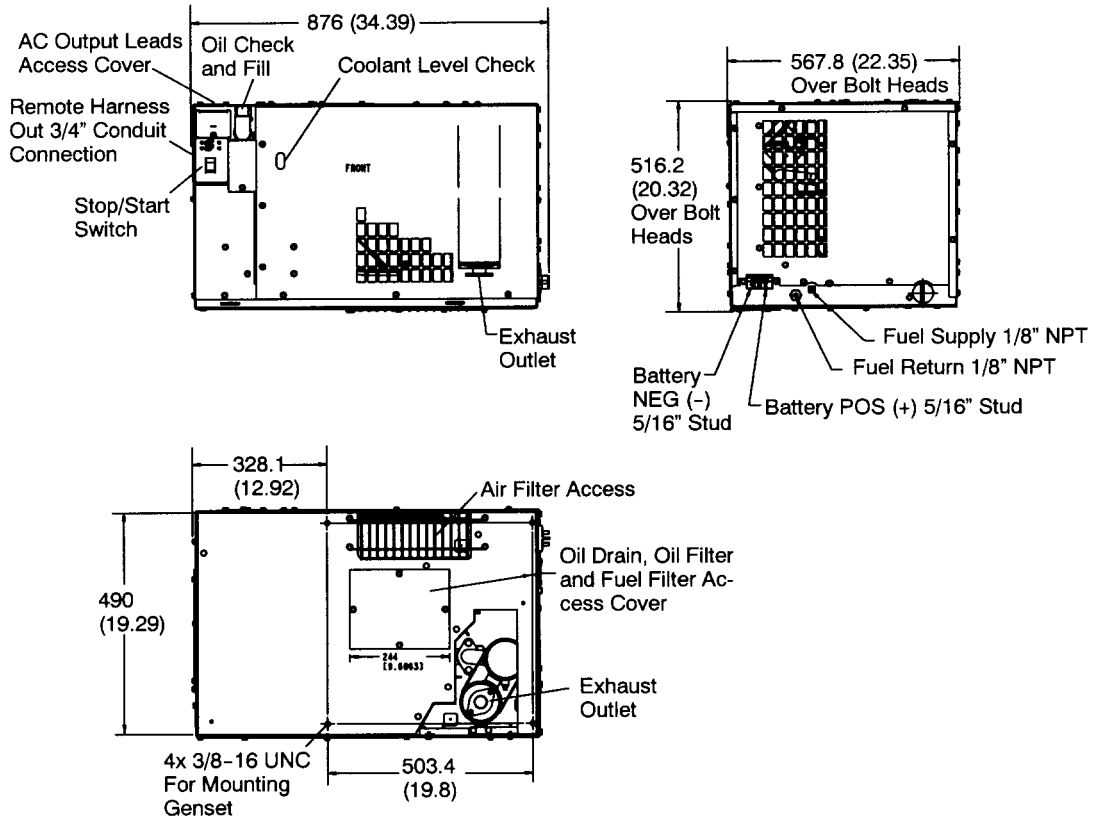
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## GenSet Performance

**Voltage Regulation No Load to Full Load:** ± 1%  
**Frequency Regulation No Load to Full Load:** ± 0.1%  
**Random Frequency Variation for Constant Loads:** ± 0.5%  
**Random Voltage Variation for Constant Loads:** ± 2%  
**Maximum Operating Ambient:** Efficient radiator cooling system permits operation at inlet cooling air temperatures to 120°F

**Air Conditioner Capacity:** Two 13500 BTU air conditioner with 1500-watt baseload or two 11000 BTU air conditioners with 1500-watt baseload at 100° F (38° C) at 500 ft (152 m) altitude.

# Basic Dimensions



## Conventional Compartment Mount

### Options and Accessories

#### Accessories

- Exhaust elbow (P/N 155-2982)
- Exhaust adapter - 7 in (P/N 155-2424)
- Exhaust adapter - 3 in (P/N 155-2610)
- Battery, 12 V, 475 CCA at 0°F (-17.8°C) (P/N 416-0795)
- Remote wiring harnesses for use with remote panels:
  - 10 ft (P/N 338-3490-01)
  - 30 ft (P/N 338-3490-02)
- Remote control pigtail (P/N 300-4947)
- Remote control panels
  - Switch only (P/N 300-4942)
  - Switch and hourmeter (P/N 300-4943)
  - Switch and DC voltmeter (P/N 300-4944)

**Note:** Protected by one or more of the following patents: US 5,006,781, US 5,158,208, US 5,096,153, US 5,175,458, US 5,240,222. Other patents pending.

## Onan 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. Onan owns 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 (120V only) models listed by SGS United States Testing Company, Inc. per ANSI/EGS-1-1998 and CSA-certified per Electrical Bulletin 946.  
Ratings apply to altitudes up to 500 ft (150 m), 85° F (29° C) ambient with muffler, in RV enclosure.  
60 Hz models meet U.S. EPA Phase I and 1995-2001 California emission regulations for small off-road engines.



## Warranty Policy

The Onan Limited Warranty covers virtually everything except routine maintenance for the first two years you own your RV generator, and covers parts and labor on major power train and generator set parts during the third year. In addition, it also includes a free 90-day adjustment policy, which provides that Onan will make minor adjustments to your new genset during the first three months you own it - free of charge! Please note: The Onan 3-year Limited Warranty applies to RV generators used in RV applications only, and does not apply to RV generators used in commercial mobile applications.

The warranty period for the drive train belt and pulleys on the HDKBA generator used in recreational vehicles shall be the life of the generator. For the original owner, this drive train warranty shall include parts and labor. For succeeding owners, the power train warranty shall cover belt and pulley parts only.

For complete Onan Limited Warranty details see your Cummins Distributor or Onan Certified RV Service and Parts Dealer.

## Maintenance and Service Support

For your ongoing satisfaction and the dependability of your Onan RV generator, Onan offers a complete line of replacement and tune-up parts and oil and maintenance chemicals specifically designed for RV generators. Easy to find at certified Onan RV Service and Parts Dealers coast-to-coast, Onan Green Label Parts™ are packaged for correct selection and convenient on-board storage.

**EASY TO LOCATE ONAN CERTIFIED RV SERVICE AND PARTS DEALER** - Onan has trained, tested, and certified over 1000 dealers covering most major metropolitan areas in the U.S. and Canada. To easily locate a certified dealer, no matter where you travel, call 1-800-888-ONAN and ask us to send you an RV Service and Parts Dealer Directory (F-919) or visit [www.funroads.com](http://www.funroads.com).



## See Your Onan Distributor:



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**WARNING:** Backfeed 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.

