



## RV GenSet

- Enclosed Muffler for Quietness, Easy Installation
- Can Be Used in National Parks
- Low Vibration
- Runs Two A/Cs with Power to Spare
- Electronic Ignition
- Capped Voltage Regulator for Stability as Appliance Loads Change
- Electronic Governor for Steady, Smooth Power
- 3-Year Limited Warranty

## Ratings and Models

Model	Fuel	Hz	RPM	Watts	Voltage	Amps	Ph	Circuit Breaker
7 NHM-FA/26105	Gasoline	60	1800	6800	120	56.7	1	(2) 30A
7 NHM-FA/26106	Gasoline	60	1800	6800	120	56.7	1	(1) 30A, (1) 20A HACR
6.5 NHM-FA/26115	LP	60	1800	6500	120	54.2	1	(2) 30A
6.5 NHM-FA/26116	LP	60	1800	6500	120	54.2	1	(1) 30A, (1) 20A HACR

Ratings apply to altitudes up to 500 ft (152.4 m), 85° F 29.4° C

Derating: Power output will decrease 3.5% for each 1000 ft (305 m) above sea level and 1% for each 10° F 5.5° C increase in ambient temperature above 85° F 29.4° C

## Weight, Size and Sound Level

- 272 lb
- Length: 33.6 in; Width: 22.3 in; Height: 15.5 in
- 62 dB(A) at 50 ft or 74 dB(A) at 10 ft, full load, before installation

Lower than National Park Service sound level requirements (60 dB(A) at 50 ft). Can be used in National Parks.  
\*Typical installation will further reduce sound level.

## Standard Features

- Maintenance-free electronic governor
- Onan Performer™ engine
- Vacu Flo® cooling plus Thru Flow generator
- 4-point focalized mounting system with vibration isolators
- Universal mounting tray with structural capability to support the genset in RV applications
- Integral USDA Forest Service-Approved spark arrestor muffler
- Replaceable two-stage dry element air cleaner
- Integral control box
- Automatic choke
- Instant one-touch stop switch
- Electronic ignition
- Enclosed muffler
- Sound-attenuated housing
- Remote start connector
- Automotive type starter with automatic start disconnect circuit
- Fuel filter
- Electric fuel pump
- Positive fuel safety shutoff
- Spin-on full flow oil filter
- Low oil pressure protection
- Overspeed/underspeed protection
- Carburetor air preheater
- Overcurrent protectors: see Models and Ratings section
- 50-inch (1.3 m) generator output leads
- Capped voltage regulator

## Engine Detail

**Model:** Onan Performer™ N60V gasoline engine  
**Design:** 4-cycle, L-head, two cylinders horizontally opposed  
**Compression Ratio:** 7:1  
**Displacement:** 60 in<sup>3</sup> (983 cm<sup>3</sup>)  
**Maximum Power:** 14 bhp (10.4 kW)  
**Cooling:** Vacu-Flo®  
**Cooling Air Volume:** (includes generator cooling air for the Thru-Flow cooling system) 450 ft<sup>3</sup>/min (12.6 m<sup>3</sup>/min)  
**Fuel System:** Combustion air volume 25 ft<sup>3</sup>/min (0.7 m<sup>3</sup>/min)  
 - Sidedraft Carburetor  
 - Electric rotary fuel pump, fuel lift 3 ft (914 mm)  
 - Replaceable dry element air cleaner with foam wrapper  
 - Automatic choke with vacuum pull-off

### Average Fuel Consumption:

Gallons/hour (Liters/hour)

	<u>No Load</u> gph/(l/h)	<u>Half Load</u> gph/(l/h)	<u>Full Load</u> gph/(l/h)
Gasoline	0.4 (1.5)	0.7 (2.6)	1.3 (4.9)
LPG	0.5 (1.9)	1.0 (3.7)	1.6 (5.9)

Lb/hour (kilograms/hour)

	<u>No Load</u> lb/h(kg/h)	<u>Half Load</u> lb/h(kg/h)	<u>Full Load</u> lb/h(kg/h)
LPG	2.1 (0.95)	4.1 (1.86)	6.6 (3.0)

**Ignition System:** Electronic 12 V battery ignition with resistor plugs

**Starting System:** Remote, 12 V, 3-wire negative ground

- Automotive Type Starter with environmentally protected pinion

- Automatic start disconnect

- Connector for remote start cable

- Start-stop rocker switch on control

**Lubrication:** Full pressure

- Positive displacement lube oil pump

**Oil Capacity:** 3.5 qt (3.8 L) including filter

- Spin-on, full-flow lube oil filter

- Low oil pressure shutdown, dipstick

**Cylinder-Crankcase:** Alloy aluminum with iron cylinder liners cast into the block

- Aluminum oil base

**Cylinder Head:** Alloy aluminum, removable

**Valves:** Austenitic steel alloy exhaust valves

- Valve Seats: Replaceable intake and exhaust valve seats

- Valve Rotators: Positive rotators on exhaust valves

## Generator Detail

**Design:** Onan, brushless AC, 4-pole self-excited revolving field. Permanently aligned to engine by a tapered shaft. Drip-proof construction.

**Insulation System and Temperature Rise:**

Meets ANSI/RVIA EGS-1, and CSA 946 requirements.

**Cooling:** Direct drive centrifugal blower

- Air required (included in engine cooling air volume): 90 ft<sup>3</sup>/min (2.5 m<sup>3</sup>/min)

**Electronic Voltage Regulator**

**Rotor:** Laminated electrical steel assembly press-fitted to shaft, balanced

- Heavy insulated copper wire windings

- Amortisseur windings 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 prelubricated ball bearing

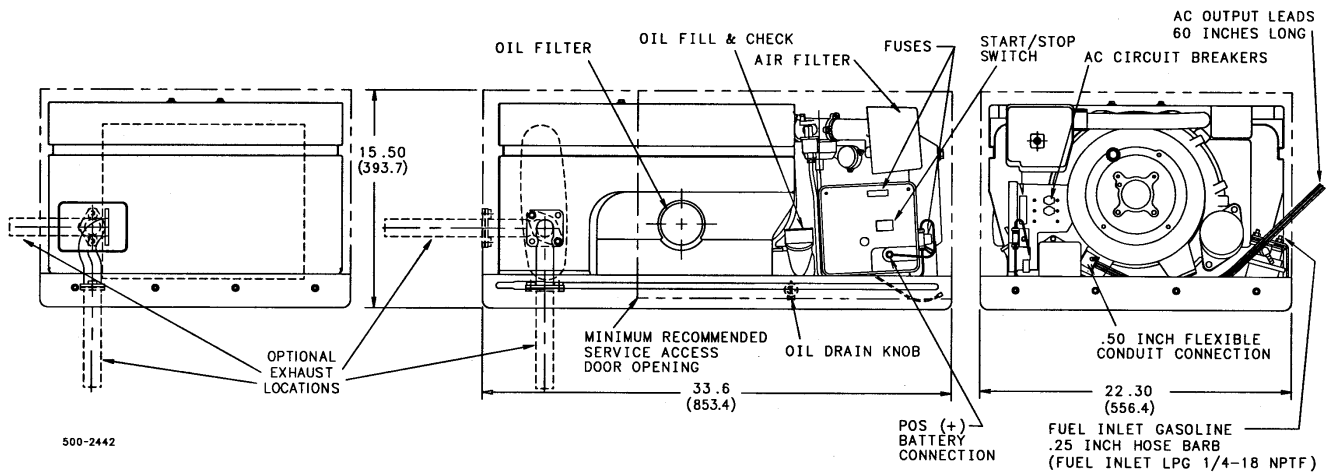
## GenSet Performance

**Air Conditioner Starting:** Two 13,500 Btu air conditioners with 3000 W baseload at 100° F 38° C at 500 ft (152 m) elevation for gasoline-fueled units (2500 W baseload for LP-fueled units).

**Frequency Regulation:** No load to full load 0%

**Voltage Regulation:** No load to full load 0%.

## Basic Dimensions



\*Includes 1/2-inch top clearance.

**CAUTION:** Drawings are supplied for reference only and should not be used for installation. See Installation Manual for details.

## Options and Accessories

- Remote start/stop rocker switch (P/N 300-4936)
- Remote control with start/stop switch and running time meter (P/N 300-4937)
- Remote control w/start/stop switch and DC voltmeter (P/N 300-4938)
- 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)
- Underfloor housing kit (P/N 405-4241)
- Rear exhaust tube tailpipe adapter kit (P/N 155-2426)
- 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)
- Cover plate, side and rear exit outlet (P/N 155-2401-02)
- BGM/NHM compartment mount installation template (P/N 539-1103)

## 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 set, 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.

For complete Onan Limited Warranty details see your Onan Distributor or Certified Onan Service Dealer.

## After Sale Support

### GENUINE ONAN MAINTENANCE CARE PARTS AND PRODUCTS

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

### EASY TO LOCATE CERTIFIED ONAN RV SERVICE AND PARTS DEALERS

Onan has trained, tested and certified over 1,000 Onan RV Service Dealers covering most major metropolitan areas in the U.S. and Canada. To easily locate the certified Onan Service 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).



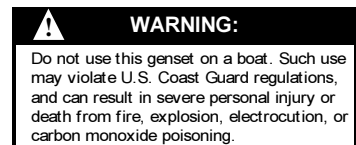
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## See Your Onan Distributor:



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**WARNING:** Backfeed to a utility system can cause electrocution and/or property damage. Do not connect to any building's electrical system except through an approved device or after building main switch is open.