

# Commercial MicroLite™ 2800 GenSet



Gasoline  
2.8 kW 60 Hz  
2.3 kW 50 Hz  
LP  
2.5 kW 60 Hz  
2.0 kW 50 Hz

## Commercial GenSet

- Ideal for Light Duty Applications with Critical Size and Low Noise Requirements
- Lightweight
- Gasoline or LP Fueled
- Quietest Generators of Their Size
- Easy Maintenance with Single-Side Service
- Completely Enclosed, Quick, Easy to Install
- 1-Year/1000-Hour Limited Warranty
- Low Fuel Consumption

## Models and Ratings

Model	Fuel	Hz	Watt	Voltage	Amps	PF	Phase	Hz
2.8 KV-FA/26100*	Gasoline	60	2800	120	23.3	1.0	1	(1) 25A
2.5 KV-FA/26120*	LP Vapor	60	2500	120	20.8	1.0	1	(1) 25A
2.3 KV-FR/33742	Gasoline	50	2000	230	10	1.0	1	(1) 10A
2.0 KV-FR/26119	LP Vapor	50	2000	230	8.7	1.0	1	(1) 10A

-Ratings apply up to 500 ft (152.4 m) altitude, 85° F (29.4° C) ambient.

-Maximum power capability decreases 3.5% for each 1000 ft (305 m) above 500 ft (153 m) and 1% for each 10° F (5.5° C) increase in ambient temperature above 85° F (29° C).

-Ratings are at intermittent power output. Continuous ratings are 90% of intermittent.

-All 60 Hz models operate at 3600 r/min.

-All 50 Hz models operate at 3000 r/min.

\*CSA- and USTC-certified

## Weight, Size and Sound Level

- 113 lb, (51 kg)
- Length 24 in (609.5 mm), Width 16.44 in (417 mm), Height 12.25 in (310 mm)
- 60 Hz: 72 dB(A) at 10 ft (3 m) before installation, full load
- 50 Hz: 68 dB(A) at 10 ft (3 m) before installation, full load

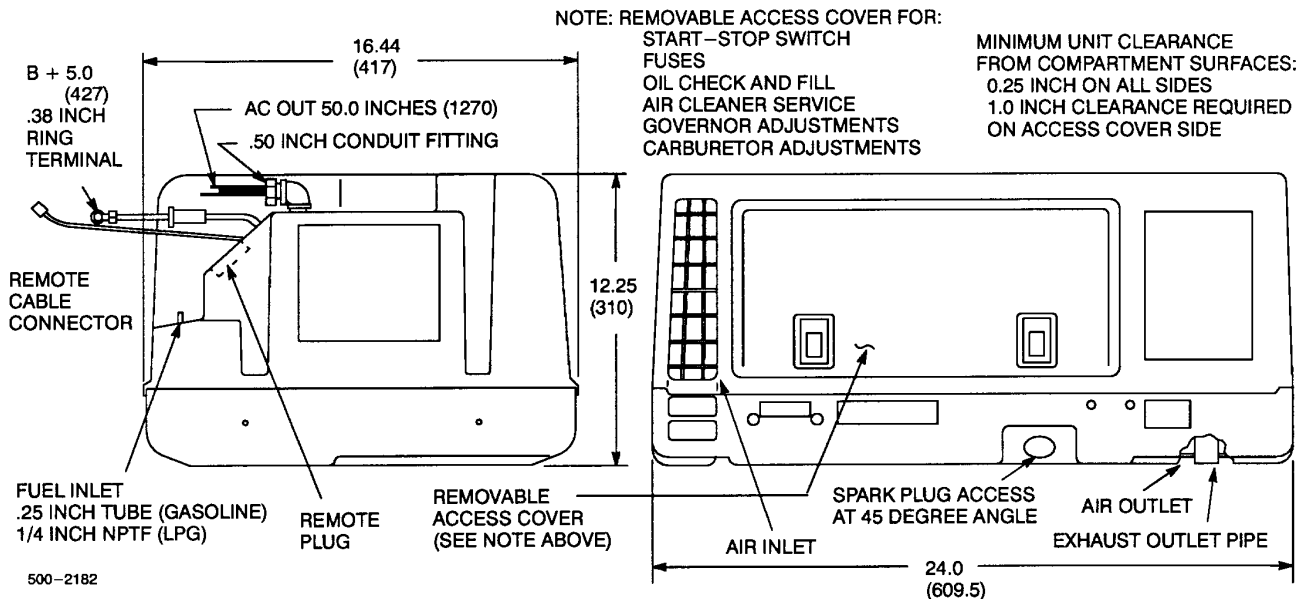
## Standard Features

- Onan® sound attenuating enclosure
- Focalized mounting system with vibration isolators
- Cross-flow cooling
- Sheet steel drip controlling base
- Enclosed muffler
- USDA Forest Service approved spark arrestor muffler
- Adjustable mechanical governor
- Automatic choke
- Engine air preheat
- Overhead valves
- Single side service
- Low oil level shutdown
- Electric fuel pump (gasoline)
- Electric solenoid (LPG)
- Mounted control panel
- Connector for remote 3-wire start
- Electric start
- Fused DC circuits to protect set wiring and remote control wiring
- Magnetic circuit breaker
- 60 in (1.5 m) generator output leads
- Solid state ignition

## Accessories

- Remote start/stop rocker switch (part #300-4936)
- Remote control with start/stop switch and running time meter (part #300-4937)
- Remote control plug and wire harness, 10 ft (part #338-3489-01), 30 ft (part # 338-3489-02)
- Remote control with start/stop switch and DC voltmeter (part #300-4938)
- Battery 12 V, 420 cold cranking amps at 0° F (-18° C) (part # 416-0579)
- Remote control pigtail kit (part # 305-0979)
- Tailpipe for 18-25 in exhaust installations (part #155-2325)
- Exhaust kit for installations over 25 in (part #155-2324)
- Exhaust resonator (part #155-2449)
- Exhaust down tube kit (part #155-2425)
- Compartment mount installation template (part #539-1386)

## Basic Dimensions



## Engine Detail

**Model:** Onan® GH-200  
**Design:** 4-cycle, single cylinder, overhead valve  
**Displacement:** 12 in<sup>3</sup> (197 cm<sup>3</sup>)  
**Compression ratio:** 8.5:1  
**Oil capacity:** 1 qt (0.95 L)  
**Power (max) at 3600 r/min:** 7.0 bhp  
**Cooling:** Pressurized air  
**Fuel system:**  
Gasoline: Electric fuel pump, fuel lift 3 ft (914 mm)  
LPG: Electronic fuel solenoid, automatic choke  
Combustion air volume:  
60 Hz: 12.5 ft<sup>3</sup>/min (0.35 m<sup>3</sup>/min) at 3600 r/min  
50 Hz: 10.4 ft<sup>3</sup>/min (0.3 m<sup>3</sup>/min) at 3000 r/min

### Typical fuel consumption

Gasoline, Gal/hr (L/hr)

	No load	Half load	Full load
2.8 KV	0.2 (0.8)	0.3 (1.14)	0.43 (1.63)
2.3 KV	0.2 (0.8)	0.23 (0.9)	0.4 (1.5)

LPG, Gal/hr (L/hr)

	No load	Half load	Full load
2.5 KV	0.2 (0.8)	0.34 (1.28)	0.55 (2.08)
2.0 KV	0.2 (0.8)	0.3 (1.14)	0.45 (1.7)

**Starting system:** Remote, 12 V, 3-wire, negative ground  
Start-stop rocker switch on control  
Connector for remote start cable  
**Ignition system:** Breakerless electronic  
**Lubrication:** Splash lubrication  
**Cylinder-crankcase:** Alloy aluminum with iron cylinder liner cast into the block  
Aluminum oil base  
**Cylinder head:** Alloy aluminum, removable

## Alternator Detail

**Design:** Onan, 2-pole self-excited revolving field permanently aligned to engine by a tapered shaft, drip-proof construction  
**Insulation system:** Class F, per NEMA MGI-1.65 and BS 2757  
**Cooling:** Direct drive centrifugal blower  
Cooling air volume:  
Gasoline:  
60 Hz: 300 ft<sup>3</sup>/min (8.5 m<sup>3</sup>/min) at 3600 r/min  
50 Hz: 250 ft<sup>3</sup>/min (7.1 m<sup>3</sup>/min) at 3000 r/min  
LPG:  
60 Hz: 300 ft<sup>3</sup>/min (8.5 m<sup>3</sup>/min) at 3600 r/min

**Rotor:** Laminated electrical steel assembly press fitted to shaft, balanced, heavy insulated copper wire windings.  
**Stator:** Laminated electrical steel assembly skewed for excellent waveform  
Heavy insulated copper wire windings  
**Voltage regulator:** Electronic  
**DC brushes:** Electrographic

## GenSet Detail

	No load-full load
Voltage regulation	±10%
Frequency regulation	±5%

### Air Conditioner Starting

- 60 Hz: at 500 ft (152.4 m) and 100° F (38° C) the 2.8 KV genset will start and run one approved 13,500 Btu air conditioner (14.7 cooling amps or less) plus a 600 W baseload, or one approved 11,000 Btu air conditioner plus a 900 W baseload. The 2.5 KV genset will start and run one approved 11,000 Btu air conditioner plus a 300 W baseload.
- 50 Hz: at 500 ft (152.4 m) and 100° F (38° C): the 2.0 KV will start and run one 7800 Btu air conditioner (5.5 cooling amps or less) with a 300 W baseload. (See your Onan Distributor/Dealer for a listing of approved air conditioners.)
- **Voltage regulation:** Exceeds requirements of ANSI/RIVA EGA-1
- **Frequency regulation:** Exceeds requirements of ANSI/RIVA EGA-1

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## Warranty Policy

The ONAN limited warranty covers virtually everything except routine maintenance for the first year you own your generator set, or the first 1,000 hours of operation, whichever comes first. In addition, it 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!

For complete Onan limited warranty details see your certified Onan Distributor/Dealer.

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## After Sale Support

**EASY TO LOCATE CERTIFIED ONAN SERVICE AND PARTS DEALERS** - Onan has the largest and best-trained worldwide certified Distributor/Dealer network in the industry, offering on-time parts and service, and installation assistance. Cummins Onan Distributor/Dealers stock and sell commonly used Onan GenSet maintenance parts, accessories and products, plus operator manuals and literature on current Onan GenSets. They can help you select and install the right genset or accessories on older models, or provide answers to questions on proper operation and maintenance procedures.

**MANUALS** - Installation and operators manuals are shipped with the genset. To obtain additional copies or other manuals for this model, see your Cummins Onan Distributor/Dealer and request the following part numbers: Operators Manual (981-0153), Parts Manual (981-0238C), Service Manual (981-0518B), and Installation Manual (981-0604).

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## Standards and Testing

Tested at extremes of temperature -20° F to 120° F for starting and operation.

Tested with commercial loads.

Tested in high humidity conditions.

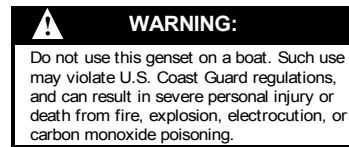
Tested in salt spray conditions.

Tested in heavy air borne dust conditions.

Field Test Program.

This product meets U.S. EPA Tier II.

This generator set was designed and manufactured in facilities certified to ISO 9001.



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**Contact your Distributor/Dealer for more information:**



To locate the nearest Onan Distributor/Dealer, or for more information, contact Onan at 1-800-888-ONAN or 763-574-5000; 1400 73rd Avenue N.E., Minneapolis, MN 55432 U.S.A.; fax 763-528-7242; e-mail [feedback@onan.com](mailto:feedback@onan.com); [www.onan.com](http://www.onan.com).

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**WARNING:** Backfeed to utility systems can cause electrocution or property damage. Do not connect to building electrical except through approved device and after building main breaker is opened.