

Onan Commercial Mobile Generators

Our Power. Your World.



Onan[®]

Onan Powers All Your Needs



Committed to Excellence

Meeting the Demands of Mobile Applications

At Onan®, we've spent decades focused on one goal—developing the best-designed and most innovative commercial mobile generator sets and power products in the industry. Quality, dependability and durability are what Onan stands for.

Onan's Commercial Mobile generator sets meet your demands because they're designed for rugged mobile applications where reliability, uptime and performance are crucial.

- Onan offers a complete line of mobile power including generators from 2.5–40 kW and inverters from 1.5–3 kW. Hydraulic and PTO driven generators are available as well as diesel, gasoline and LP powered models.
- Onan is the global leader in mobile generator set production with more than 50 years of experience.
- Our worldwide Distributor/Dealer network is the largest and best-trained in the industry. Many locations also support Cummins Power Generation standby generators and Cummins engines.

Onan Generators can be found in a variety of applications. Our primary markets are fire/rescue, utility/telecom and specialty vehicles.



Fire/Rescue

Fire/rescue professionals utilize a variety of specialized vehicles to respond to the numerous emergencies that occur. Each vehicle is equipped differently and space on the vehicle is always limited. For all situations, one factor remains constant, the need for reliable mobile power to operate equipment used at the scene.



Onan generator sets including portable, diesel, gasoline, LP and the popular hydraulic and PTO generators are built to perform under the most rigorous conditions. In an emergency, the right tools and high quality performance can save property and lives.

“We just received 12 new E-One trucks with Onan 10 kW diesels on board. We have had other generators on our apparatus, but none have been as reliable as these Onan generators. For dependability, value, and service we choose Onan.”

—Jim Sanders, Battalion Chief,
Escambia Fire-Rescue, Pensacola, FL





Utility/Telecom

In the utility/telecom industry service crews work around the clock restoring power and communications after a crisis occurs. The service vehicle's power source is critical in these emergencies. Rugged dependability, reliability and high-quality features are important in your genset selection.

Onan is the leading supplier of commercial mobile generator sets in utility/telecom applications. Onan generators provide quiet power for lighting, reliable power for booms and dependable power for tools and other equipment.



“As a nationwide truck body manufacturer providing products to the telecommunication, cable TV and utility industries we are required to provide generators for a variety of applications. Our customers overwhelmingly choose Onan generators for their power source, and we have found that Onan has generators for just about every need. Onan’s Engineering Department has been very responsive in helping solve problems related to truck design and customer specified applications; this is especially true where customers combine electrical and hydraulic needs to power articulated equipment on their vehicles. Further, our customers depend on Onan’s excellent nationwide service, warranty program and dependable products.”

—Elaine B. Hunter, President, Steelweld Equipment Company, Inc.



Mobile Specialty

Mobile specialty vehicles need reliable power to provide services or run a business. A generator can be used to power many types of equipment for various mobile businesses and services. The generator's function is critical; if you can't count on the genset, you are out of business or off the road.

Many businesses rely on Onan Commercial Mobile gensets to power their specialty truck and trailer applications. Some examples include:

Mobile Medical

- X-ray
- Mammography
- Bone density
- Blood donation
- Dental service
- Education/training

Other Specialty Vehicles

- Food service/catering
- Tool, shoe and other sales
- Animal rescue and grooming
- Mobile library
- Oil well treatment equipment
- Restaurant support
- Satellite news van
- Racing trailer
- Sewer equipment inspection



“Frontline Communications produces Electronic and Satellite News Gathering vehicles for the Broadcast Industry. These vehicles are used continuously from 5 AM until 12 Midnight every day of the week covering breaking news stories all over the world. The generator is the primary source of power on these vehicles and it is critical that it be reliable and dependable in all types of working conditions, in addition to being quiet and efficient. That is why Frontline’s standard generator is an Onan.”

—Gary W. Britt, Director, Technical Operations,
Assistant General Manager, Frontline Communications

Complete Product Line

Onan Offers a Complete Line of Commercial Mobile Gensets to Power Your Application

Hydraulic	CMHG Series	6–25 kW
Gasoline	CMM & CMM EFI Series	5.5–7 kW
	CM MicroLite	2.5–2.8 kW
	CM MicroQuiet	3.3–4 kW
Diesel	CMQD Series	5.5–12 kW
	CMSD Series	6–10 kW
PTO	Protec PTO Series	15–40 kW
Inverters	Equinox	1.5–3 kW

Hydraulic

CMHG Hydraulic Series



Onan's CMHG Series of hydraulic generators from 6 to 25 kW (60 Hz; 8 kW also 50 Hz) are designed as a fully-integrated power system that includes the hydraulic pump, motor, generator, filtration system, oil cooler and reservoir in one complete, compact and lightweight package. Onan's hydraulic generators are manufactured to the highest standards and offer more standard features. They provide clean, quiet power; easy single-side serviceability; and flexible installation and mounting options.

Onan CMHG Series hydraulic generators are ready to start when you're ready to go because they can start under full load and run at the rated output—giving you all the power and performance you're paying for.

Standard Features

- More standard features than any other hydraulic generator available
- High performance motor-starting capability for heavy loads
- Meets full load capability at 120° ambient conditions*
- Designed to provide clean, quiet power with low vibration
- Easy, single-side serviceability minimizes compartment space requirements
- Multiple air inlet locations for flexible installation and compact size offering several mounting options
- Onan-designed and manufactured alternator and voltage regulator
- Full power available on the fly
- All connections outside the housing
- Warranty: 5 year, 1,000 hours including a 2-year allowance for travel time (2.5 hours) and mileage (100 miles)
- Largest worldwide service support network in the industry

* Ambient is defined as the air temperature measured at the cooling air inlet and the set.



Gasoline and LP

CMM and CMM EFI Series

Designed for tough commercial applications, the CMM and CMM EFI Series models in 5.5 and 7 kW, gasoline and LP vapor, are loaded with quality features. These include exceptionally low noise and vibration, easy installation, diagnostic capability and digital regulation that maintains voltage stability as loads change. The CMM EFI is the first Electronic Fuel Injection genset in the industry.

These models are designed to consistently perform in applications where dependability and high quality power are essential. They're built to be the quietest in their class and the enclosed muffler provides easy installation.

The advanced digital control provides extensive diagnostic capabilities by constantly monitoring the genset's operation and alerting the user to potential problems. It also assists the operator or service personnel in troubleshooting a variety of operating conditions and service checks.



Standard Features

- Quietest and lowest vibration genset in its class
- Integrated hydraulic pump option
- Enclosed muffler for ease of installation
- Self-diagnostic capability to simplify troubleshooting
- Digital regulation for voltage stability as loads change
- Integrated housing design
- Two year Limited Warranty, five year drive warranty

EFI Models

- First EFI (Electronic Fuel Injection) genset in its class
- EFI provides improved hot and cold start capability
- Electronic governor for voltage stability and frequency control



Commercial Mobile MicroLite & MicroQuiet

Commercial Mobile MicroLite and MicroQuiet gensets are ideal for light and medium-duty applications with small size and weight constraints. They feature quiet operation, single-side servicing and an enclosed muffler. Both models are available in gasoline and LP vapor, 50 and 60 Hz, and range in size from 2.5 to 4 kW.

Standard Features—MicroLite

- Ideal for light duty applications with critical size and low noise requirements
- Lightweight
- Gasoline or LP vapor fueled
- Quietest generators of their size
- Easy maintenance with single-side service
- Completely enclosed, quick and easy to install
- One-year/1000 hour limited warranty
- Low fuel consumption

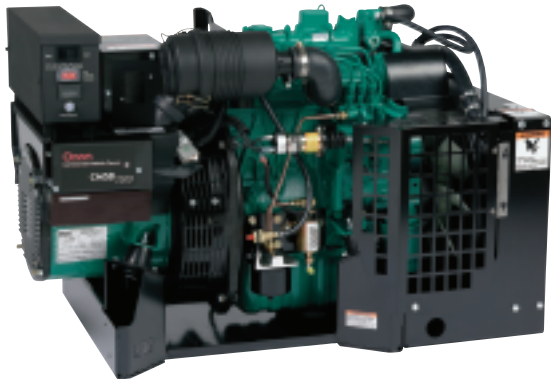
Standard Features—MicroQuiet

- Ideal for medium-duty commercial mobile applications
- Microprocessor control with diagnostics
- Exceptionally smooth, quiet operation
- Sealed connectors
- Full housing with enclosed muffler
- Lightweight, compact
- Overhead valve engine
- One-year/1000 hour limited warranty

Diesel

CMSD Series

Designed for commercial applications, Onan's 6, 7.5 and 10 kW (50 and 60 Hz, single and three phase) Standard Diesel Series gensets offer bullet-proof reliability and easy starting in severe weather conditions. Other quality features include emissions certification, focalized vibration isolation and a two-year, 2000 hour limited warranty.



Standard Features

- Smooth operation—focalized mounting system with 4-point vibration isolation
- Glow plugs for reliable all-weather starting
- Installation flexibility with remountable 90° exhaust elbow and remountable DC control
- Multiple oil fill/check points for platform or compartment installations
- Cross-flow radiator for increased cooling efficiency
- Water resistant controls
- Low harmonic distortion
- Full lube oil filter
- Fuel filter/water separator
- Vertically mounted fuel filters
- Replaceable air cleaner element
- 4-position exhaust elbow
- 30 A battery charging DC alternator
- Lifting brackets
- Electric fuel pump
- 3 cylinder diesel engine
- Brush type AC alternator

CMQD Series



The CMQD Quiet Diesel Series models in 5.5, 7.5, 10 and 12 kW are the heavy-duty choice when low noise and low vibration are required. Their revolutionary design makes these gensets up to 15 dB(A) quieter than other diesel-powered generators, and quieter than most gasoline sets. The unit is totally enclosed, including cooling, muffler, and intake systems.

Standard Features

- Dramatically lower noise, vibration, harshness (NVH)
- Up to 15 dB(A) quieter than conventional diesel generators
- Unique sound-controlled housing encloses cooling system and muffler providing lower noise and simple installation
- Automatic glow plugs eliminate preheat time uncertainty
- Self-diagnostic capability simplifies troubleshooting
- Convenient, top-mounted switches and coolant level check/fills
- Complete, integrated package for easy, low-cost installation
- Service and maintenance points accessible through easy-latch side service door
- Three-point, fully focalized internal mounting system reduces vibration
- UV Resistant paint/water resistant controls



Power Take Off

Protec PTO Series

Onan's Protec PTO generator models from 15–40 kW (50 and 60 Hz, single and three phase) are specifically engineered for mobile emergency vehicle use with a field-proven design for high performance and long life. Features include various mounting configurations, bi-directional rotation with radial fan and remote mountable, solid state electronic voltage regulator. A five-year warranty is standard.



Standard Features



- Heavy-duty, field-proven design for long life
- Capped voltage regulation
- Environmental protection for adverse conditions
- Low harmonic distortion
- Mounts in any orientation
- Remote mountable solid state electronic voltage regulator
- 50/60 Hz switchable
- Precision balanced rotating field generator
- Epoxy impregnated windings
- Brushless exciter
- Double-sealed, pre-lubricated bearings
- Air-cooled with shaft-mounted centrifugal fan
- Bi-directional rotation
- Skewed stator for low harmonic distortion
- Class H insulation, 180° C temperature rating
- Reconnectable three phase; single phase available



Inverters

Equinox

Onan's Equinox Inverter Series has models available in 1.5–3 kW.

Standard Features

- Maintains full load output at high ambient temperatures
- AC and DC terminal blocks for easy installation and secure connections
- Battery charge level and remaining usage time available with shunt option
- Low battery shut-off provides longer battery life
- FCC class B radiated EMI performance
- Equinox Digital Display with user-friendly full text readout
- Extensive diagnostic information and fault history available
- LED lights show inverter status-at-a-glance
- Easy battery charge rate adjustments
- Full AC and DC metering
- Battery state of charge calculations



Designed, Manufactured and Tested by Onan

To produce the highest-quality commercial mobile gensets in the industry, we design, test and build our products from start to finish, providing built-in confidence to our customers. Our engineers are involved in the development of our alternators, engines, controls and other components so that all systems work together to provide optimum-quality power in addition to reliability, durability, fuel economy and ease of service.

At Onan, precision engineering and superior mechanical integrity are what set us apart from the competition. Our gensets are built to exacting standards using state-of-the-art manufacturing processes. They must pass stringent quality-control measures and every unit is tested extensively to meet the highest standards.

- Onan gensets are designed and manufactured in our Minneapolis, MN, facilities certified to ISO 9001
- Rugged dependability and high-quality features—more standard features than any other commercial mobile gensets available
- Designed to be the most innovative in noise attenuation, vibration isolation and low emissions to produce quiet, smooth-running, and clean gensets
- CARB and EPA emissions certified
- Full line of accessories makes it easy to customize your genset for your application
- Easy to install, operate and maintain

Customer Applications

Onan customer application engineers can provide the expertise to make each installation meet the performance needs of our customer. We work with manufacturers, installers and end-users to understand their applications, recommend the best genset for the job and make sure the installation provides the best possible performance. Our complete product line will meet most commercial mobile needs.



Service Network

Cummins engines and Onan gensets are backed by the same worldwide network of Distributor/Dealers. Cummins Inc. is parent company to both Cummins Power Generation—which manufactures Onan brand and Cummins Power Generation gensets—and Cummins engines, demonstrating design, manufacturing and customer support synergies not found in any other company supplying the commercial mobile vehicle industry.



Green Label Parts

When reliability counts, insist on the real thing. Genuine Onan Green Label parts are made to exact product specifications to maximize the power output and life of your Onan generator. Visit your Onan Distributor/Dealer to purchase.

Product Warranty

Onan provides extensive warranty coverage on our product and is completely transferable. Consult the product specification sheet or your Onan Distributor/Dealer, or visit www.onan.com for specific warranty details for each model.





To easily locate the nearest Onan Distributor/Dealer,
or for more information, contact Onan at
www.onan.com, 1-800-888-Onan or 763-574-5000;
1400 73rd Ave. N.E., Minneapolis, MN 55432 U.S.A.;;
FAX 763-528-7242; email feedback@onan.com

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