



Specification Sheet

Commercial Mobile Generator

Onan QD 12000



Features and Benefits

- Computer-controlled constant speed operation
- Unique sound-controlled housing encloses cooling system and muffler - simplifies installation
- Four-point, fully focalized internal mounting system reduces vibration with integrated secondary isolation system
- Self-diagnostic capabilities simplify troubleshooting
- Service and maintenance points accessible through easy-latch side service door
- Convenient, top-mounted switches and coolant level check/fills
- Automatic glow plug eliminates preheat time uncertainty

Weight, Size and Sound Level

Weight	815 lbs	(370 kg)
Length	41.5 in	(1054 mm)
Width	24.5 in	(621 mm)
Height	27.0 in	(686 mm)
Sound	68 dB(A)	Readings at 10 ft (3 m), before installation, half load

- Typical installation will further reduce sound level.

Models and Ratings

Model	Fan	Hz	Watts	Voltage	Amps	PF	Phase	Circuit breaker
12.OHDKCD-2209	Internal	60	12000	120/240	100/50	1.0	1	(1) 2 Pole, 50A
12.OHDKCD-5241#	Internal	60	12000	120/240	100/50	1.0	1	(1) 2 Pole, 50A

- All 60 Hz models operate at 1800 r/min
- Ratings apply up to 500 ft (152 m) altitude, 85° F (29.4° C) ambient* with No. 2 diesel fuel.
- 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
- Ratings are at intermittent power output.
- Continuous rating is 85% of intermittent output.

Export packaging

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

Standard Features

- 4 cylinder diesel engine
- Brush type AC alternator
- Digital voltage regulation
- Built in Self-diagnostic capabilities
- Bottom air inlet and outlet configuration
- Integral enclosed muffler with stationary exhaust pipe connection point
- USDA approved spark arresting muffler
- Internal radiator
- Sound attenuated housing
- Intake silencer
- Heavy duty air cleaner
- Maintenance free electronic governor
- Regulated-voltage 15 A battery charging
- Hour meter
- Waterproof connector for remote operation
- Four-point, fully focalized internal mounting system reduces vibration with integrated secondary isolation system
- Over voltage, low oil pressure, over temp, over speed, overload and AC alternator over temp safeties
- Bulkhead type connections for fuel and battery
- Terminal block connection for AC output
- Electric fuel pump, long-life fuel filter
- Spin-on, full-flow oil filter
- Service and maintenance from side service door
- Automatic timed glow plugs for quick easy start
- Instant one touch stop

Engine Details

Model: Kubota D1503-M

Design: 4-cycle, liquid-cooled diesel engine

Cylinders: 4, inline vertical

Bore: 3.27 in (83 mm)

Stroke: 3.64 in (92.4 mm)

Displacement: 91.44 in³ (1499 cm³)

Compression Ratio: 23:1

Lube Oil Capacity: 5.9 qt (5.6 L)

Cooling System Capacity: 6.6 qt (6.2 L)

Power (max): At 1800 r/min 24.8 hp (18.5 kW) EPA Tier 4 non-road

Starting System: Remote, 12 V

Combustion Chamber: Indirect injection

Alternator Details

Design: Cummins, brush type; drip-proof construction, 4 pole

Insulation System: Class H per NEMA MG1-1.66

Exciter System: Electronic voltage regulator

Bearings: Double sealed pre-lubricated ball bearing

Cooling: Direct drive centrifugal blower

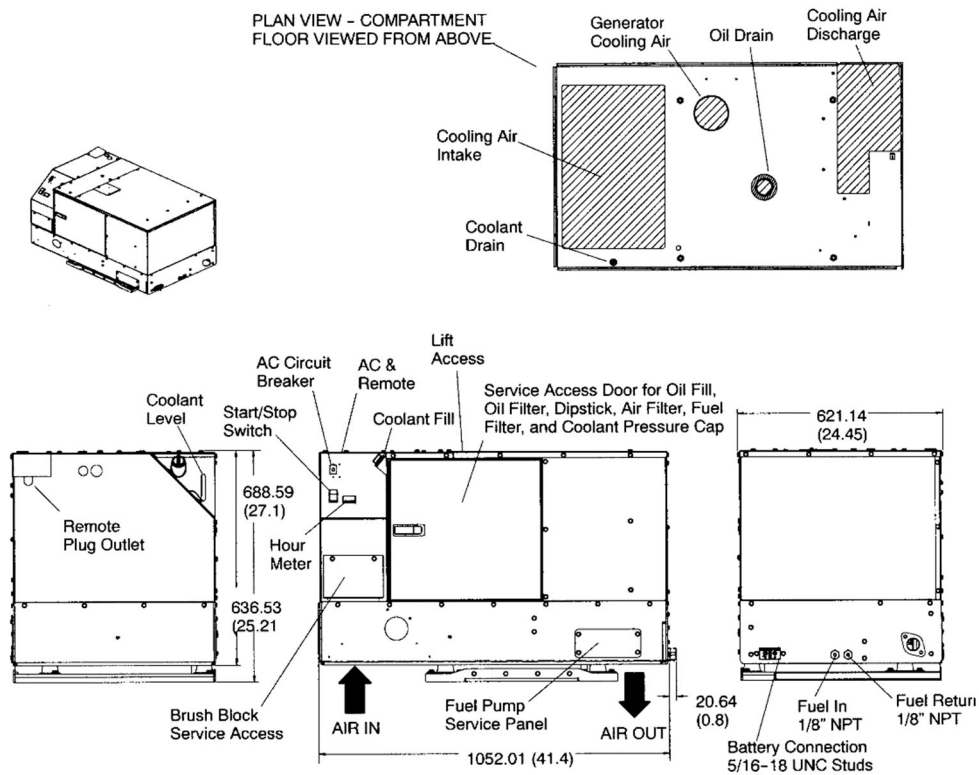
Average Fuel Consumption

Gasoline	No load	Half load	Full load
12.0HDKCD	0.38 Gal/h (1.4 L/h)	0.71 Gal/h (2.7 L/h)	1.28 Gal/h (4.8 L/h)

Frequency regulation	No load/Full load	0.1%	Frequency regulation	Constant load	0.6%
Voltage regulation	No load/Full load	2.0%	Voltage regulation	Constant load	0.5%

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 500-4040 and wiring diagram from your distributor/dealer.

Accessories

- Exhaust elbow, 90° (P/N 155-3194)
- Exhaust adapter, 3 in (P/N 155-2610), 7 in (P/N 155-2424)
- Remote control pigtail (P/N 300-4947)
- Remote control harness pigtail at panel (P/N 338-3573)
- Remote control panel, switch only (P/N 300-4942)
- Remote control panel, switch and hour meter (P/N 300-4943)
- Remote control panel, switch and DC voltmeter (P/N 300-4944)
- Remote harness (for use with remote panels), 10 ft (P/N 338-3490-01), 30 ft (P/N 338-3490-02)

Testing for RV Application

- Tested at extremes of temperature -20 °F (-29 °C) to 120 °F (49 °C) for starting and operation
- Tested with commercial loads
- Tested in high humidity conditions
- Tested in salt spray conditions – no direct spray allowed
- Tested in heavy airborne dust conditions
- Field test program
- This product meets U.S. EPA Tier IV
- This generator set was designed and manufactured in facilities certified to ISO 9001
- CSA certified for CSA C22.2 std 100 and std 14



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 2 years from warranty start date or 2,000 hours, whichever occurs first. Parts and labor will be covered for warrantable failures except routine maintenance during two years warranty coverage period.

After Sale Support

Largest Distributor/Dealer Support Network:

Cummins 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 sales or service representatives and request the following manual numbers: Operator (A043D715), Installation (A043D716), Parts (A043T421), Service (A043M526).

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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