



Diesel
5.5 kW 60 Hz
5.0 kW 50 Hz

Commercial GenSet

- Lower Noise, Vibration, Harshness (NVH)
- Up to 15 dB(A) Quieter Than Conventional Diesel Generators
- Enclosed Muffler for Added Quietness, Easy Installation
- Automatic Glow Plug Eliminates 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

Models and Ratings

<u>Model</u>	<u>Fan</u>	<u>Hz</u>	<u>Watts</u>	<u>Voltage</u>	<u>Current</u> <u>Amps</u>	<u>PF</u>	<u>Phase</u>	<u>Circuit Breaker</u>
5.5 HDKBB/2860A	Internal	60	5,500	120	45.8	1.0	1	(1) 2 pole, 25 Amp
5.5 HDKBB/2861A	Internal	60	5,500	120/240	45.8/22.9	1.0	1	(1) 2 pole, 25 Amp
5.5 HDKBB/2905A	Internal	60	5,500	120/240	13.2	1.0	3	(1) 3 pole, 15 Amp
5 HDKBB/2862A	Internal	50	4,800	115/230	41.7/21	1.0	1	(1) 2 pole, 25 Amp
5 HDKBB/2863A	Internal	50	4,800	230/400	6.9	1.0	3	(1) 3 pole, 8 Amp

-All 60 Hz models operate at 2880 r/min. All 50 Hz models operate at 2400 r/min.

- Ratings apply up to 500 ft (153 m) altitude, 85° F (29° C) ambient* with No. 2 diesel fuel.

- 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.

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

Weight, Size and Sound Level

- 400 lb (181 kg), wet
- Length 34.5 in (876.0 mm), Width 22.9 in (581.2 mm), Height 20.3 in (514.7 mm)
- 68 dB(A) at 10 ft (3 m), before installation, 1/2 load

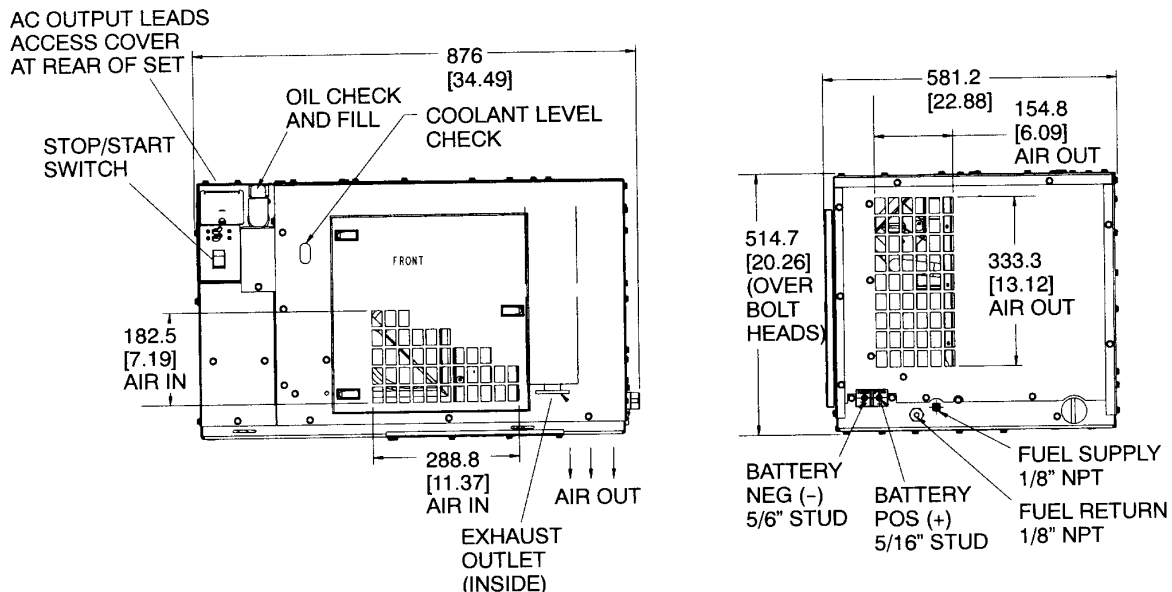
Standard Features

- 2-cylinder diesel engine
- Brush type alternator
- Digital voltage regulation, 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
- Intake silencer
- Replaceable dry element air cleaner
- Maintenance-free electronic governor
- Fused DC circuits
- 4 A max. available for battery charging
- Hour meter
- Waterproof connector for remote operation
- Focalized mounting system with 3-point vibration isolation
- 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 or side service access panel
- Automatic timed glow plugs for quick easy start
- Instant one touch stop

Accessories

- Auxiliary fuel pump kit (part #541-0530)
- Remote control panel, switch only (part #300-4942)
- Remote control panel, switch and hourmeter (part #300-4943)
- Remote control panel, switch and DC voltmeter (part #300-4944)
- Battery, 12 V, 660 cold cranking amps at 0° F (-17.8° C) (wet) (part #416-0796)
- Battery, 12 V, 620 cold cranking amps at 0° F (-17.8° C) (dry) (part #416-0823)
- Remote harness (for use with remote panels), 10 ft (part #338-3490-01), 30 ft (part #338-3490-02)
- Remote control harness pigtail (part #300-4947)
- Remote harness pigtail at panel (part #338-3573)
- Exhaust adapter, 7 in (part #155-2424), 3 in (part #155-2610)
- Exhaust elbow, 90° (part #155-2982)

Basic Dimensions



This outline drawing is provided for general reference only is not intend for design or installation. See installation manual and obtain outline drawing number 500-3634 for more information (available from your Distributor/Dealer).

Engine Detail

Model: Kubota Z482
Design: 4-cycle, liquid-cooled diesel engine
Cylinders: 2, inline vertical
Bore: 2.64 in (67 mm)
Stroke: 2.68 in (68 mm)
Displacement: 29.23 in³ (479 cm³)
Compression ratio: 23:1
Lube oil capacity: 2.0 qt (1.9 L)

Cooling system capacity: 2.3 qt (1.9 L)
Power (max): at 3000 r/min: 10.7 hp (8.0 kW) SAE net intermittent
Starting system: Remote, 12 V

Typical fuel consumption

No. 2 diesel fuel, Gal/hr (L/hr)

	No load	Half load	Full load
5.5 HDKBB	0.25 (0.93)	0.41 (1.57)	0.66 (2.51)
5 HDKBB	0.21 (0.78)	0.34 (1.31)	0.55 (2.09)

Alternator Detail

Design: Onan, revolving field, AC, 2-pole,
Insulation system: Class H
Exciter system: Capped, digital voltage regulation

Brushes: Electrographic; long life
Bearings: Double-sealed prelubricated ball bearings
Cooling: Direct drive centrifugal blower

GenSet Detail

	No load - full load	Constant load
Voltage regulation:	±1%	±2%
Frequency regulation:	±5%	±1%

Control

- Microprocessor control
- Integrated generator and engine control
- User and service personnel accessible diagnostics
- Fused DC circuits
- Overvoltage safety
- Hour meter
- Low oil pressure safety
- Overspeed safety
- Overload safety
- Automatically times glow plugs based on ambient temperature
- One touch stop

Warranty Policy

The ONAN limited warranty covers virtually everything except routine maintenance for the first two years you own your generator set, or the first 2,000 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.

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 (981-0167), Parts Manual (981-0273), Service Manual (981-0535), and Installation Manual (981-0634).

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.

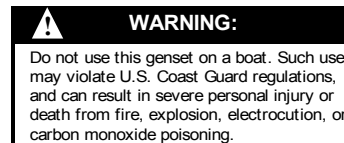
Tested in heavy air borne dust conditions.

Field Test Program.

This product meets U.S. EPA Tier II.

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

CSA Certified for CSA C22.2 std 100 and std 14.



Contact your Distributor/Dealer for more information:



To easily 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; 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.