

Commercial Emerald 6500 GenSet

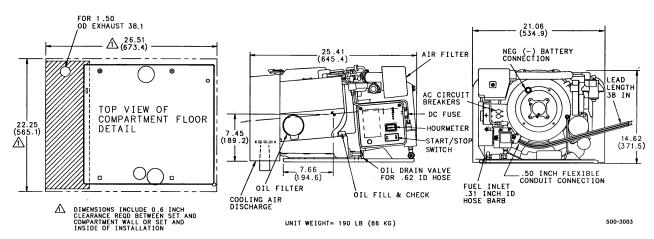


Gasoline 6.5 kW 60 Hz 5.0 kW 50 Hz LP 6.3 kW 60 Hz 5.0 kW 50 Hz

Commercial GenSet	 Improved Reliability & Durability for Tough Commercial Mobile Applications Two-Year/2000 Hour Limited Warranty Environmentally-Protected Electronics Heavy-Duty Solenoid-Shift Starter Corrosion Resistant Fasteners 10-Amp Regulated Battery Charging Convenient LED Indicator/Diagnostic Lights Full Power PTO (optional) 		
Models and			
Ratings	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
Weight, Size and Sound Level	 230 lb (104 kg) Length 25.4 in (645.4 mm), Width 21.06 in (535 mm), Height 14.62 in (371.5 mm) 60 Hz: 75 dB(A) at 10 ft (3 m) before installation, full load 		

Standard Features	 Onan[®] engine Electronic ignition Vacu-Flo[®] cooling system with thru flow generator 3-point heavy duty mounting system with vibration isolators Control board mounted diagnostic LEDs and hourmeter Splash resistant control box Waterproof connectors Drip controlling steel base Enclosed exhaust manifold Automotive type solenoid shift electric starter Automatic start disconnect circuit Connector for remote 3-wire start 38 in (965 mm) generator output leads 	 10 A nominal, regulated battery charging (note: 3 A parasitic genset load) Insulated battery terminal Electric fuel pump with positive fuel safety shutoff (3 psi) Steel fuel line Automatic choke Carburetor air preheater for cold weather starting Mechanical governor Air cleaner with replaceable dry element Spin-on full flow lube oil filter Automatic low oil pressure shutdown Winter/summer air intake selector Electronic voltage regulator
Accessories	 Remote start/stop rocker switch (part #300-4936) Remote control with start/stop switch and running time meter (part #300-4937) Remote control with start/stop switch and DC voltmeter (part #300-4938) Remote control plug and wire harness, 10 ft (part #338-3489-01), 30 ft (part #338-3489-02) Electric governor kit (part #151-0759) Battery 12 V 420 cold cranking amps at 0°F (-18°C) (part #416-0579) Remote control harness pigtail at set (part #305-0979) Remote control pigtail at control panel (part #338-3572) 	 Underfloor kit (part #405-5753), converts compartment mount to underfloor configuration; complete with all necessary hardware Start enable relay kit (part #542- 0336) LPG vapor regulator kit (part #148- 1107) Muffler kit, under unit mounting, exhausts to the left (part #542-0328) Muffler kit, under unit mounting, exhausts to the right (part #542- 0338) Muffler kit, left side mounting, exhausts to front of set (part #542- 0469) Muffler kit, left side mounting, exhausts to rear of set (part #542- 0402)

Basic Dimensions



This outline drawing is provided for general reference only and is not intended for design or installation. For more information see installation manual or obtain outline drawing 500-3003 and wiring diagram from your Distributor/Dealer.

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Engine Detail	Model: N60V gasoline engine Design: 4-cycle, L-head Cylinders: 2, horizontally opposed Bore: 3.6 in (90 mm) Stroke: 3.0 in (76 mm) Displacement: 60 in ³ (980 cm ³) Compression ratio: 7:1 Oil capacity: 3.5 qt (3.3 L), including filter Power (max): at 1800 r/min: 14.0 hp with muffler at 1500 r/min: 11.0 hp with muffler Cooling: Vacu-Flo [®] Cooling air volume: 60 Hz: 500 ft ³ /min (14.2 m ³ /min) at 1800 r/min; 50 Hz: 420 ft ³ /min (11.9 m ³ /min) at 1500 r/min Fuel system: Sidedraft carburetor; altitude adjustment; electric fuel pump with positive fuel shutoff (3 psi), fuel lift 3 ft (914 mm); automatic choke with vacuum pull off; carburetor air preheater Combustion air volume: 60 Hz: 25 ft ³ /min (0.71 m ³ /min) at 1800 r/min; 50 Hz: 21 ft ³ /min (0.59 m ³ /min) at 1500 r/min Typical fuel consumption Gasoline, Gal/hr (L/hr) <u>No load</u> <u>Half load</u> Full load 0.7 (2.6) <u>Full load</u> 1.3 (4.5)			
	5.0NHD 0.4 (1.5) LPG, Gal/hr (L/hr) 6.3NHD 0.52 (1.95)	0.7 (2.6) 1.0 (3. <u>Half load</u> <u>Full lo</u> 0.90 (3.39) 1.56 (5)	ad	
Alternator Detail	 Design: Revolving field, AC, 4-pole, self-excited, permanently aligned to engine by a tapered shaft, drip-proof construction Insulation system: Class F, per NEMA MG1-1.65 and BS 2757; insulating varnish conforms to MIL-I-24092, grade CB, Class 155 C Cooling: Direct drive centrifugal blower Cooling air volume: 60 Hz: 90 ft³/min (2.5 m³/min) at 1800 r/min; 50 Hz: 75 ft³/min (2.1 m³/min) at 1500 r/min Cast aluminum housing for excellent heat transfer 		For shaft; balanced; r wire windings ctrical steel excellent ated copper wire regulator and field current raphic; long life, ed, prelubricated	
GenSet	Voltage regulation		- full load 0 7%	Constant load ± 2%
Detail	voltage regulation ±		5%	±2% n electronic governor. Ifluence Factor): 9 weighting scale;

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 (981-0175), Parts Manual (940-0229), Service Manual (965-0500), and Installation Manual (965-0632). 	
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. Tested in heavy air borne dust conditions. Field Test Program. This generator set meets emissions regulations for U.S. EPA PH1 Small Engines and 1995-2001 California SI SORE. This generator set was designed and manufactured in facilities certified to ISO 9001. 	

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 763-574-5298; 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.