

**Gasoline**  
**4.0 kW 60 Hz**  
**3.5 kW 50 Hz**



## Portable GenSet

- Onan® 9 hp Overhead Valve Engine
- Full-Featured Control Panel
- Low Oil Pressure Shutdown with Indicator Light
- 6.5-gal, 13-hr Fuel Tank
- Idlematic

## Models and Ratings

Model	Starter	Hz	Voltage	Max Watts	Max Amps	Rated Watts	Rated Amps	AC Receptacles
4.0 EGHAB/38018*	Recoil	60	120/240	4000	33.3/16.7	3500	29.2/14.6	(1) Duplex 120V/15A GFI (1) Duplex 120V/30A TL
4.0 EGHEB/38018*	Electric/Recoil	60	120/240	4000	33.3/16.7	3500	29.2/14.6	(1) Duplex 120V/240V/20A TL
3.5 EGHEM/34879	Electric/Recoil	50	110/220	3500	31.8/15.9	3000	27.2/13.6	(1) Duplex 120V/15A GFI (1) Duplex 120V/30A TL

\*CSA-approved.

\*\* A variety of International receptacles are available upon request.

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

Derating: Power output will decrease 3.5% for each 1000 ft (305 m) above sea level and 1% for each 10° F (5.5° C) increase in ambient temperature about 85° F (29° C).

## Weight, Size and Sound Level

- Dry Weight: Electric Start, 155 lb (70 kg); Recoil Start, 145 lb (66 kg)
- Length 26.8 in (681 mm), Width 22.0 in (554 mm), Height 24.6 in (625 mm)
- With Dolly Kit: Length, 48.1 in (1222 mm); Width, 34.0 in (864 mm); Height, 32.57 in (827 mm)
- Sound Levels
  - Idlematic: 68 dB(A) at 7 m; 78 dB(A) at 1 m
  - Full load, 60 Hz: 82 dB(A) at 7 m, 91 dB(A) at 1 m
  - Full load (est.), 50 Hz: 77 dB(A) at 7 m, 89 dB(A) at 1 m

## Standard Features

- Onan® 9 hp overhead valve gasoline engine
- AC and DC manual reset circuit breakers
- AC and DC receptacles with DC battery charging cables
- Low oil pressure shutdown with indicator light
- Electronic ignition
- Dual element air cleaner
- USDA spark-arresting muffler
- Full-perimeter protective carrier frame
- Panel-mounted start/stop switch
- Frame-mounted control panel
- Automatic voltage regulation
- Idlematic
- Simultaneous AC and 12 V DC
- Full power switch
- Voltmeter

## Receptacles

- 4.0 EGHAB/38018 and 4.0 EGHEB/38018 (CSA-approved) (60 Hz)
  - (1) Duplex, 120V/15A GFI (AC), (NEMA 5-15R)
  - (1) 120V/30A Twistlock (AC), (NEMA L5-30R)
  - (1) 120/240V/20A Twistlock (AC), (NEMA I14--20R)
  - (1) 12V/10A, 120W (DC)
- 3.5 EGHEM/34879 (Non-CSA approved) (50Hz)
  - International receptacles available upon request.
- Electric start on Models EGHEB EGHEM with battery tray (battery not included). Recommended 230 cca, minimum 0° C
- 12 V DC battery charging with cables

## Accessories

- Two wheel dolly kit (part #410-1166)
- Twistlock plug 120 V/30 A, NEMA L5-30P (part #323-0862)
- Twistlock plug 120/240 V/20 A, NEMA L14-20P (part #323-0857)

## Engine and Performance Detail

**Design:** 4-cycle gasoline  
**Cylinders:** 1  
**Bore:** 3.11 in (79mm)  
**Stroke:** 2.20 in (56 mm)  
**Displacement:** 16.7 in<sup>3</sup> (274 cm<sup>3</sup>)  
**Power:** 9.0 bhp max  
**Cylinder Liner:** Cast iron  
**Valves:** Overhead valve configuration. Premium valve materials, replaceable guides and seats and intake stem seals.  
**Lubrication:** Splash type

### Typical fuel consumption

Gasoline, gph (Lph)	No load			Half load			Full load				
	60 Hz	NA	0.27 (1.0)	50 Hz	NA	0.24 (0.9)	60 Hz	NA	0.45 (1.74)	50 Hz	NA
60 Hz	NA	0.27 (1.0)	50 Hz	NA	0.24 (0.9)	60 Hz	NA	0.45 (1.74)	50 Hz	NA	0.4 (1.50)

**Lube oil capacity:** 0.95 qt (0.9 L)  
**Starting system:** Recoil/electric  
**Approximate run time:** 13 hr at rated load  
**Fuel tank capacity:** 6.5 gal (24.6 L)  
**Starting:** Electric and recoil start on 4000E  
**Automatic decompression release system**

## Alternator Detail

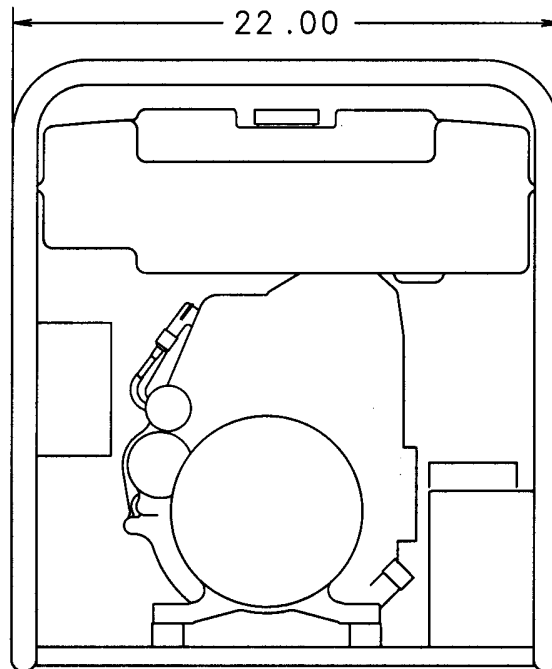
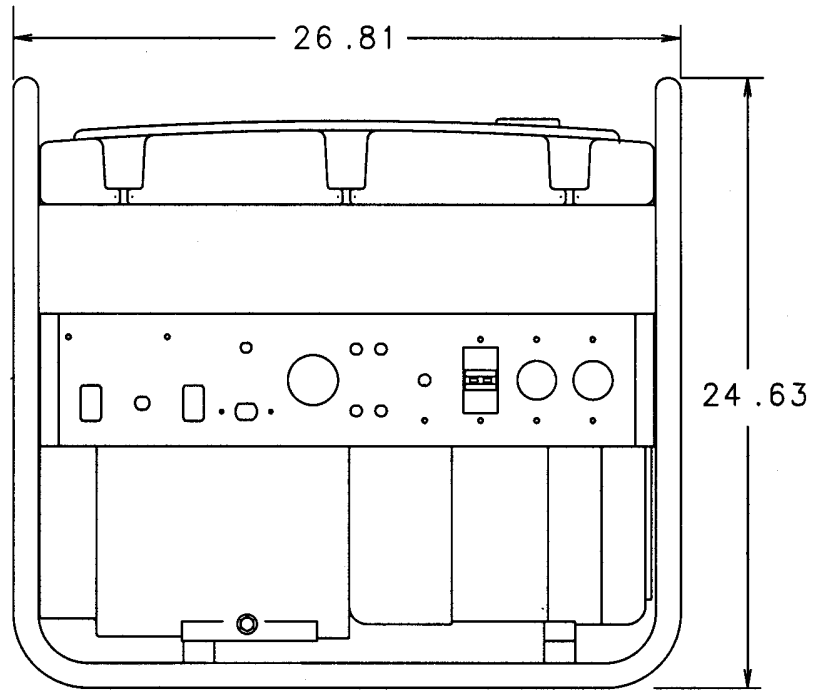
**Design:** 2-pole AC alternator  
**Exciter system:** Self-excited, permanent magnet provides instant voltage build up.

**Cooling:** Air cooled  
**Voltage regulator:** Automatic

## GenSet Detail

	No load	full load
Voltage regulation		±3%
Frequency regulation		±4%

# Basic Dimensions



500-2705

This outline drawing is provided for general reference only and is not intended for design or installation. See installation manual and obtain outline drawing 500-2705 for more information (available from your Distributor/Dealer).

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## Warranty Policy

Onan Pro Series Portable GenSets are backed by Onan's standard three-year limited warranty, with an optional five-year extended warranty. See your local Distributor/Dealer for details.

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## After Sale Support

### **GENUINE ONAN MAINTENANCE PARTS AND PRODUCTS**

For your ongoing satisfaction and the dependability of your Onan genset, Onan offers a complete line of replacement and tune-up parts, oil and maintenance chemicals specifically designed for gensets. Easy to find at Onan service and parts dealers coast-to-coast, Onan Green Label™ parts are packaged for correct selection and convenient storage.

### **EASY TO LOCATE CERTIFIED ONAN SERVICE AND PARTS DEALERS**

Onan has over 400 certified commercial service dealers covering most major metropolitan areas in the U.S. and Canada. To locate Onan service dealers in your area, call 1-800-888-ONAN and request a commercial service and parts dealer directory (F-1060).

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## Standards and Testing

Tested at extremes of temperature -20° F to +120° F for starting and operation. 60 Hz models (120/240 V only) listed by Nationwide Consumer Testing Institute, Inc. per ANSI/EGS-1 and CSA certified per electrical Bulletin 946.

Tested in high humidity conditions.

Tested in salt spray conditions.

Tested in heavy airborne dust conditions.

Field Test Program.

This product meets US. EPA Phase 1 and 1995-1999 California Regulations for utility and lawn and garden equipment engines.

Do not use this genset 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.

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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](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.