

# HOBART®

MADE IN THE USA

# Champion™ ELITE



All-in-One 11,000-Watt AC Generator and AC/DC Welder

243759  
Nov. 2010



#500544

**5/3/1**  
INDUSTRIAL  
WARRANTY

Combining a 11,000-watt generator with a 225-amp AC or 210-amp DC welder, the Champion *ELITE* is ideal for farm, general construction, and emergency power applications. This unit is designed for Stick welding with quick and easy arc starts. It also performs general scratch-start DC TIG. The unit is capable of producing power while welding so your partner doesn't have to wait to start on the next task. The engine is warranted separately by the engine manufacturer.

**Applications:**

- Maintenance
- Repair
- Farm/Ranch Applications
- Fabrication
- Structural Steel Work
- Use as a Stand-Alone Generator

Features	Benefits
All-in-one 11,000-watt generator and 225-amp welder	You get a generator <i>and</i> welder for about what you would pay for just a generator!
Innovative Hobart technology	Smooth arc starts with minimal "sticking". Extraordinary motor starting characteristics. Strong continuous rating to run compressors, pumps, lights, hand tools and other equipment.
Heavy-duty construction	Provides stamina and long dependable service. Enclosed design, large battery, rugged electrical connections and wiring, and circuit-breaker protection.
Lightweight and compact design	Just under 4 ft. long and weighs less than competitive units.
Modern OHV Kohler engine	Has a 12-gallon fuel tank and low oil pressure shutdown as standard features. Dependable engine conserves fuel and provides long operation before refueling.
A "no tools" oil change and digital hour meter	Help maintain scheduled routine oil servicing (every 100 hours) and other preventative maintenance.
Quick-set current control	Easy to set up and start welding.
Smooth AC or DC weld output	Primarily designed for the Stick process, the Champion <i>ELITE</i> also provides a smooth arc for scratch start DC TIG welding.

**Specifications** (SUBJECT TO CHANGE WITHOUT NOTICE.)



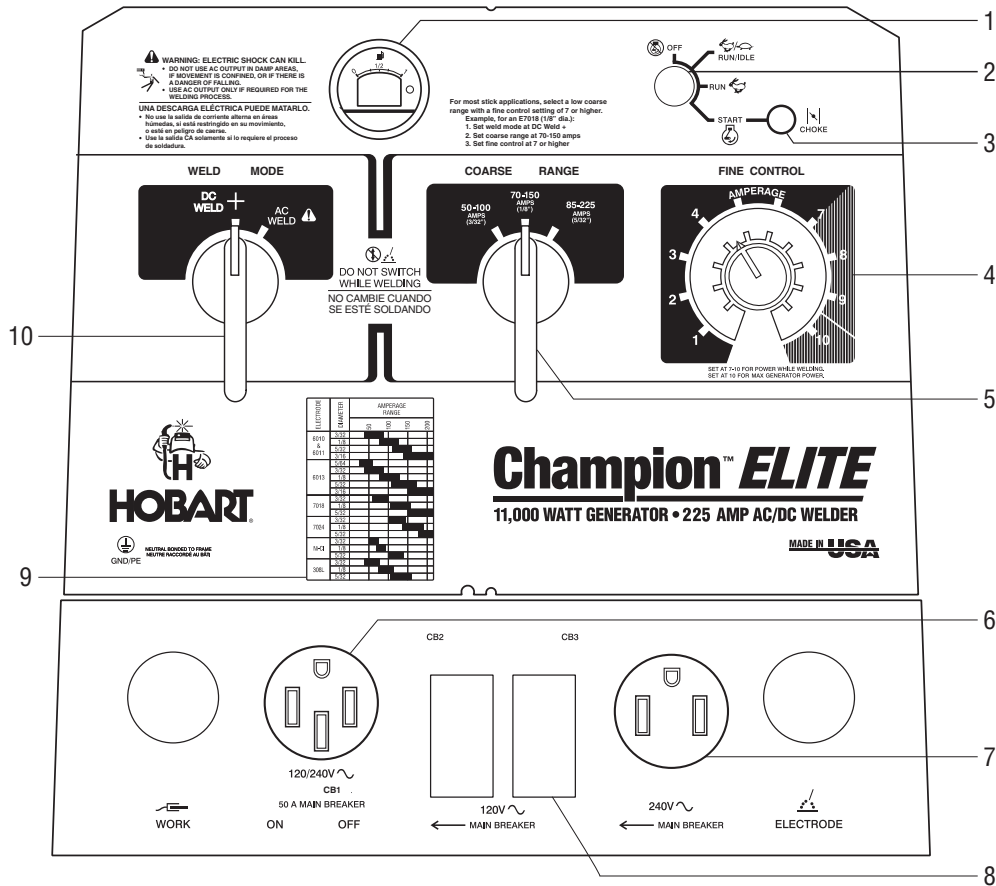
Rated Welding Output* at 100% Duty Cycle (at 104°C/40°F)	Max. Open-Circuit Voltage	Amperage Range	Auxiliary Power	Dimensions	Net Weight
AC 225 A at 25 V, DC 210 A at 25 V	80 VDC	DC: 50–210 amps AC: 50–225 amps	11,000 watts peak; 120/240 VAC, 60 Hz, 9,500 watts continuous	H: 31-1/8 in. (791 mm) W: 20 in. (508 mm) D: 45-3/4 in. (1162 mm)	530 lb. (240 kg)

**Engine Specifications** (SUBJECT TO CHANGE WITHOUT NOTICE.)

Engine Brand	Horsepower (HP)	Type	Weld Speed	Idle Speed	Fuel Capacity	Oil Capacity/Change
Kohler #500 544	23 HP at 3600 RPM (3-year mfg. warranty)	Twin-cylinder, 4-cycle, overhead-valve, industrial, air-cooled, gasoline engine	3600 RPM	2300 RPM	12 gallons	1.75 qt. (1.7 L) every 100 hours; 2 qt. (1.9 L) w/filter every 200 hours

\*Rated output decreases approximately 3.5% per 1000 ft. (305 m) above sea level. The rated output of any engine-driven welder/generator decreases as temperatures rise. The ratings for the Champion *ELITE* were taken at high temperatures, only after the machine reached operating temperature. Even in hot weather the Champion *ELITE* has the vigor to let you finish the job.

# Control Panel



1. Digital Engine Hour Meter. Combined with the Fastex “no tools” oil change feature, routine service is easily monitored and performed.
2. Engine Control Switch allows for engine speed selection. In Run/Idle position, engine runs at idle speed at no load, and weld/power speed under load.
3. Engine Choke Control. Use control to change engine air/fuel mix.
4. Fine Adjust Control. Easy to fine tune the amperage with a coarse range. Set control above 7 for best power while welding and to 10 for generator-only use.
5. Coarse Range Control. Easy to set up for welding DC or AC Stick.
6. 120/240 Volt Receptacle. This versatile, 50-amp circuit-breaker-protected receptacle (14-50R) can supply up to 11,000 watts of 230-volt power or, up to 11,000 watts of 120-volt power through two separate 120-volt circuits. (*Note: Protective covers not shown.*)
7. 230 Volt Receptacle. This handy, 50-amp circuit-breaker-protected receptacle (NEMA 6-50R), can be used to directly plug in your 230-volt Hobart equipment.
8. 120 Volt Receptacles. Protected by two 20-amp circuit breakers.
9. Amperage Selection Chart. Explains weld settings for typical electrode diameter sizes and types.
10. Weld Mode Switch. Use switch to change from AC to DC welding.

## Performance Data

### Fuel Consumption Data

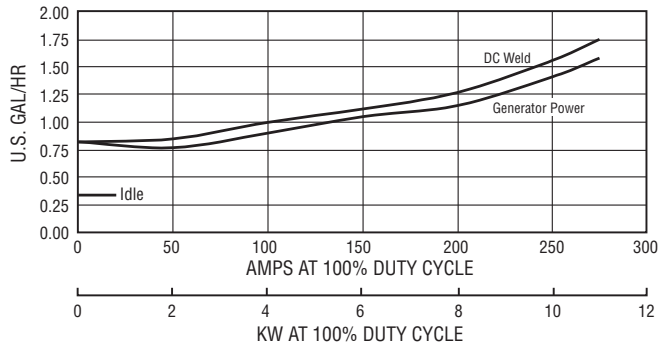
The Champion *ELITE* offers a modern, fuel efficient engine from Kohler. With the OHV design, automatic idle and 12 gallon fuel tank, you can expect to put in long hours before having to stop and refuel. For example:

- Welding at 150 amps, 40% duty cycle, uses about 3/4 gal. of fuel every hour.
- While not welding, the engine drops to idle speed using about 1/3 gal. of fuel every hour.
- On a typical job using 1/8-in. 7018 electrodes (125 amps, 20% duty cycle) you can expect over 20 hours of operation.
- Under a continuous load of 4,000 watts of auxiliary power, the Champion *ELITE* would run for about 14 hours.

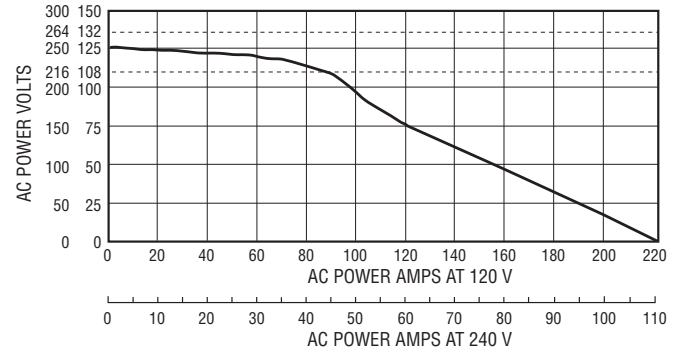
### Typical Power Requirements for Farm, Home and Contractor Equipment

Equipment	Rating	Starting Watts	Running Watts	Equipment	Rating	Starting Watts	Running Watts
Portable Conveyor	1/2 HP	3400	1000	Band Saw	14 in.	2500	1100
Farm-Duty Motors Std., (e.g. Conveyors, Feed Augers, Air Compressors)	1/3 HP	1720	720	Air Compressor	1-1/2 HP	8200	2200
	1-1/2 HP	8200	2200	Electric Chain Saw	2 HP, 14 in.	1100	1100
Washer 2 gal./min. 2 gal./min.	550 PSI	4500	1400	Flood Lights	HID Metal Halide Mercury Vapor	125	100
	700 PSI	6100	1600			313	250
Refrigerator or Freezer	1/3 HP	2150	750			1000	—
Sump Pump	1/2 HP	3200	1050	Submersible Pump	400 gph	600	200
Hand Drill	1/2 in.	600	600	Centrifugal Pump	900 gph	900	500
Circular Saw	8-1/4 in.	1400	1400	High Pressure Washer	1 HP	6100	1600
Table Saw	10 in.	6300	1800	Wet & Dry Vac	1.7 HP	900	900

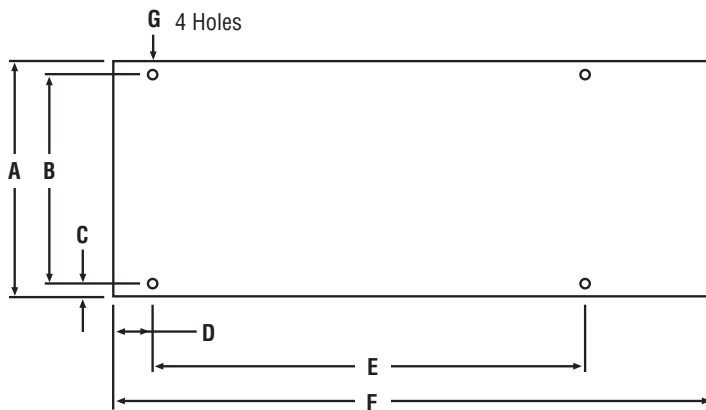
#### FUEL CONSUMPTION



#### GENERATOR POWER CURVE



## Mounting Specifications



- A. 20 in. (508 mm)
- B. 16-1/2 in. (419 mm)
- C. 1-3/4 in. (44 mm)
- D. 6-1/16 in. (154 mm)
- E. 32-3/4 in. (832 mm)
- F. 45-3/8 in. (1153 mm)
- G. 13/32 in. (10 mm) Diameter

## Accessories



### Protective Weatherproof Cover #770619

Weatherproof 18 oz. vinyl-coated woven polyester — resists stains, mildew and fading while protecting the finish of your generator/welder from the elements.

- Extremely durable and abrasion resistant
- Waterproof
- UV resistant
- High tear-strength characteristics
- -40°F cold-crack rating
- Reinforced, lined abrasion-resistant exhaust pipe cover

### Kohler Maintenance Kit

#770666 (Hobart)

#230015 (Miller)

Consists of air filter, air filter pre-cleaner, oil filter, spark plugs (2), fuel filter with clamps to perform recommended maintenance every 100 hours.

### Running Gear



### All-Purpose Running Gear #300396

Includes two heavy-duty 15 in. tires, two 8 in. (203 mm) rubber swivel casters, and a heavy-duty handle. Recommended for all surfaces and applications, and is easy to move around the job site.

### No. 2 Stick Cable Set, 50 ft. #195195

Consists of 50 ft. (15.2 m) No. 2 electrode cable with holder, and 50 ft. (15.2 m) work cable with clamp. 200 A, 100% duty cycle.

### No. 4 Stick Cable Set, 20/15 ft. #193067

Consists of 20 ft. (6.1 m) No. 4 electrode cable with holder, and 15 ft. (4.6 m) work cable with clamp. 125 A, 100% duty cycle.



**FA-7.5 Flame Arrester Fuel Cap (Gasoline Red) #042632** Field Lockable for added protection.

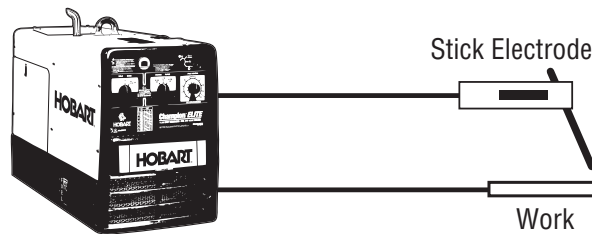
### Spark Arrester #043579

Field Mandatory when operating on California grasslands, brush, or forest-covered land, and all National Forests. For other areas, check your state and local laws.

### Full KVA Plug Kit #119172

Field 240 VAC, 50-amp plug (NEMA 14-50P) to fit full KVA receptacle.

## Typical Installation



**Hobart Welders** An Illinois Tool Works Company

Hobart Welding Products Service 800-332-3281 Sales 800-626-9420

Litho in USA

[hobartwelders.com](http://hobartwelders.com)

