

# Champion® Elite

All-in-One 225-Amp DC Welder and 11,000-Watt AC Generator



243759  
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500562

## Quick Specs

### Welding Amp Range

40–225 A

### Rated Output

225 A at 25 V, 100% duty cycle

### Generator Power

11,000 W peak, 9,500 W continuous



## DC welder and AC generator in one powerful package.

Combining a 225-amp DC welder with an 11,000-watt generator, the Champion Elite is ideal for farm, general construction, and emergency power applications. Designed for stick welding with quick and easy arc starts, it also performs general scratch-start DC TIG. Unit is capable of producing power while welding so your partner doesn't have to wait to start on the next task.

Engine is warranted separately by the engine manufacturer.

### Applications

- Maintenance/repair
- Farm/ranch
- Fabrication
- Structural steel work
- Use as a stand-alone generator

Features	Benefits
<b>All-in-one design</b>	225-amp welder and 11,000-watt generator. You get a welder <i>and</i> generator for about what you would pay for just a generator!
<b>Portable and compact</b>	Just over three feet long and weighs less than competitive units.
<b>Kohler engine</b>	Has a 12-gallon fuel tank and low oil pressure shutdown as standard features. Dependable engine conserves fuel and provides long operation before refueling.
<b>Toolless oil change and digital hour meter</b>	Help maintain scheduled routine oil servicing (every 100 hours) and other preventative maintenance.
<b>Quick-set amperage control</b>	Easy to set up and start welding.
<b>Rugged door panel</b>	The rugged hinged door panel protects the receptacles and output studs.
<b>Auto idle</b>	Machine has greater fuel savings and reduced noise.
<b>Hobart 5/3/1 industrial warranty</b>	Five-year warranty on transformers, stabilizers and main rectifiers; three years on generators, PC boards and drive systems; and one year on guns (MIG, plasma and TIG torches).



### Hobart Welding Products

An ITW Welding Company  
Sales: 800-626-9420  
Service: 800-332-3281

### HobartWelders.com



## Specifications (Subject to change without notice.)



Welding Amp Range	Rated Output* (at 104°F/40°C)	Max. Open Circuit Voltage	Generator Power	Dimensions	Net Weight
40–225 A	225 A at 25 V, 100% duty cycle	80 VDC	11,000 watts peak, 9,500 watts continuous, 120/240 V, 60 Hz	H: 28 in. (711 mm) W: 20 in. (508 mm) D: 41 in. (1,041 mm)	490 lb. (222 kg)

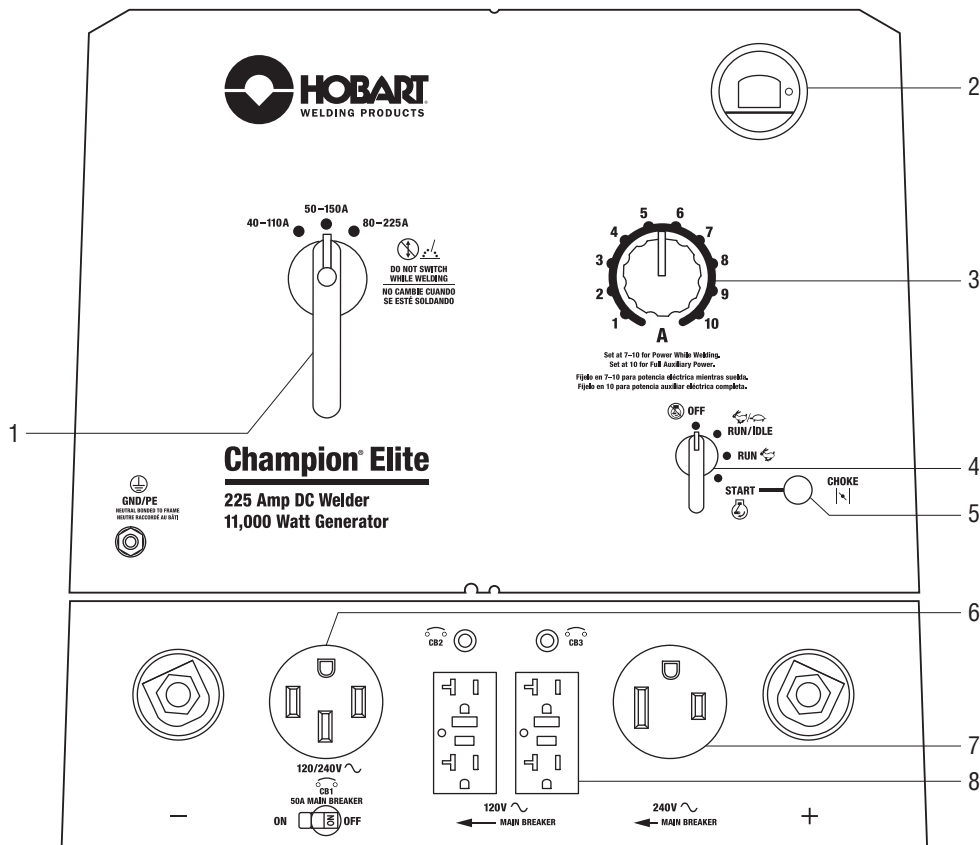
## Engine Specifications (Subject to change without notice.)

Engine Brand	Horsepower	Engine Type	Weld Speed	Idle Speed	Fuel Capacity	Oil Capacity/Change
Kohler with 3-year mfg. warranty	23 hp at 3,600 rpm	Twin-cylinder, four-cycle, overhead valve, industrial, air-cooled, gasoline	3,600 rpm	2,400 rpm	12 gal. (45.4 L)	1.5 qt. (1.4 L) every 100 hours

\*Rated output decreases approximately 3.5% per 1,000 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.

Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

## Control Panel



- 1. Coarse range control** provides easy setup for welding.
- 2. Digital engine hour meter** combined with the Fastex “no tools” oil change feature makes routine service easy to monitor and perform.
- 3. Fine adjust control** makes it easy to fine tune amperage within a coarse range. Set control above 7 for best power while welding and to 10 for generator-only use.
- 4. 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.
- 5. Engine choke control** allows adjustment of engine air/fuel mix for easy startup.

Note: Protective covers for bottom portion of panel are not shown.

- 6. 120/240 V receptacle.** This versatile, 50-amp circuit-breaker-protected receptacle (NEMA 14-50R) can supply up to 11,000 watts of 240-volt power OR up to 11,000 watts of 120-volt power through two separate 120-volt circuits.
- 7. 240 V receptacle.** This handy, 50-amp circuit-breaker-protected receptacle (NEMA 6-50R), can be used to directly plug in your 240-volt Hobart equipment.
- 8. 120 V GFCI receptacles.** Protected by two 20-amp circuit breakers.

## Performance Data

### Fuel Consumption Data

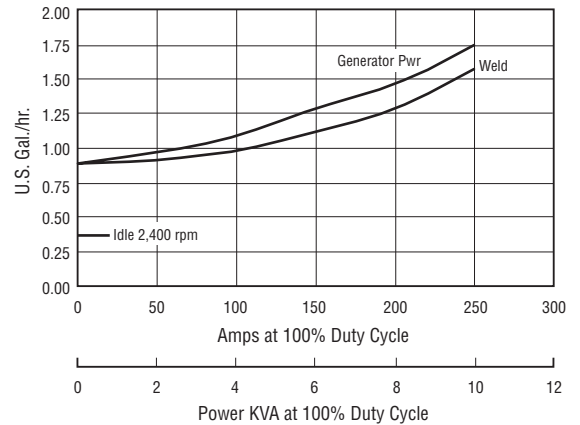
The Champion® Elite offers a modern, fuel efficient engine from Kohler. With the OHV design, automatic idle and 12-gallon fuel tank, you can expect to put in long hours before having to stop and refuel. For example:

- Welding at 150 amps, 40 percent duty cycle, uses about 3/4 gallons of fuel every hour.
- While not welding, the engine drops to idle speed using about 1/3 gallons of fuel every hour.
- On a typical job using 1/8-inch 7018 electrodes (125 amps, 20 percent 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.

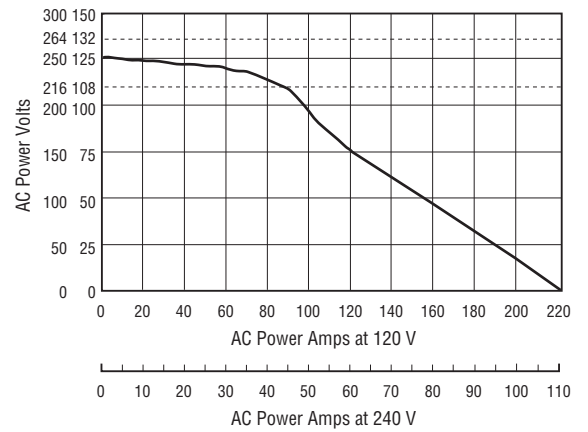
### Typical Power Requirements for Farm, Home and Contractor Equipment

Equipment	Rating	Starting Watts	Running Watts
Portable Conveyor	1/2 hp	3,400	1,000
Farm-Duty Motors Std., (e.g. Conveyors, Feed Augers, Air Compressors)	1/3 hp	1,720	720
	1-1/2 hp	8,200	2,200
Washer 2 gal./min. 2 gal./min.	550 psi	4,500	1,400
	700 psi	6,100	1,600
Refrigerator or Freezer	1/3 hp	2,150	750
Sump Pump	1/2 hp	3,200	1,050
Hand Drill	1/2 in.	600	600
Circular Saw	8.25 in.	1,400	1,400
Table Saw	10 in.	6,300	1,800
Band Saw	14 in.	2,500	1,100
Flood Lights	HID	125	100
	Metal halide	313	250
	Mercury	1,000	—
	Vapor	1,250	1,000
Air Compressor	1-1/2 hp	8,200	2,200
Electric Chain Saw	2 hp, 14 in.	1,100	1,100
Submersible Pump	400 gph	600	200
Centrifugal Pump	900 gph	900	500
Wet and Dry Vac	1.7 hp	900	900
High Pressure Washer	1 hp	6,100	1,600

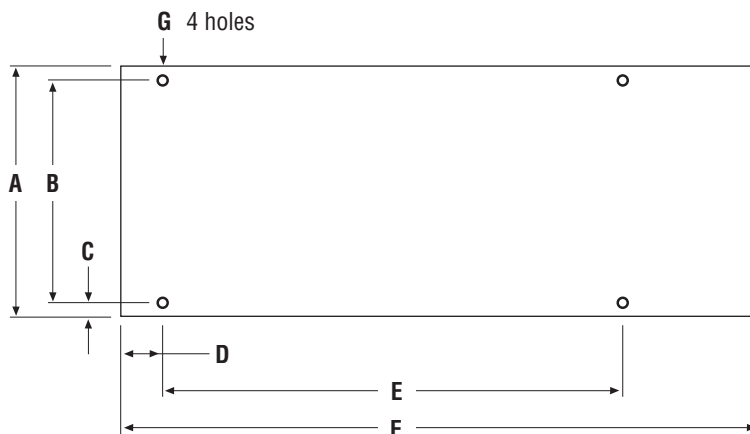
### Fuel Consumption



### Generator Power Curve



## Mounting Specifications



Front Panel End

- A. 20 in. (508 mm)
- B. 16.562 in. (421 mm)
- C. 1.75 in. (44 mm)
- D. 5.125 in. (130 mm)
- E. 22.312 in. (567 mm)
- F. 39.75 in. (1,010 mm)
- G. .406 in. (10 mm) diameter

## Accessories



### Protective Cover 770748

Waterproof cover resists stains and mildew, and protects the finish of your welder. Includes heavy-duty grommets for highway travel tie-downs. Fits welder with or without the handle/wheel kit installed.

*Note: Protective cover fits current Champion Elite model 550562 and 500557. Use cover 770619 for previous model 500544.*



### Running Gear 300997

Consists of two heavy-duty 13-inch wheels with inner tubes and welded hubs, two 6-inch swivel casters, and a heavy-duty ergonomic handle that makes it easier to move the Champion® Elite around the jobsite.

*Note: Running gear fits current Champion Elite model 550562 and 500557. Use running gear 300396 for previous model 500544.*

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

Consists of 50-foot (15 m) No. 2 electrode cable with holder, and 50-foot (15 m) work cable with clamp. 200 A, 100% duty cycle.

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

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

### Spark Arrestor 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 V, 50 A plug (NEMA 14-50P) to fit full KVA receptacle.

## Typical Installation

