

Bobcat™ 225

Gas Engine-Driven
Welder/AC Generator 

Quick Specs

Industrial Applications

Maintenance
Repair
Work trucks
Farm/ranch
Fabrication
Structural steel work
Use as a stand-alone generator

Processes

Stick (SMAW)
MIG (GMAW)*
Flux-cored (FCAW)*
DC TIG (GTAW)
Non-critical AC TIG (GTAW)
Air plasma cutting and gouging with optional Spectrum® models

*With wire feeder.

Output Range

AC stick/TIG	60–160 A
DC stick/TIG**	40–225 A
MIG/flux-cored	19–28 V

**DC TIG available above 80 amps.

Generator Power Output Rated at 104°F (40°C)
11,000 watts peak, 9,500 watts continuous

Accu-Rated™—Not Inflated Generator Power

Rugged welder/generators great for stick and flux-cored welding. Designed for maintenance/repair operations, construction, farm, ranch and generator use.

The most popular welder/generator in the industry, the Bobcat is:

- Quiet to operate
- Small and light
- Easy to maintain

NEW!



Remote start/stop
Easily turn your Bobcat machine on and off remotely, so it only runs when you need it. See page 2.



Reduce noise for a more productive jobsite.



Easier mobility and uses less truck space and payload.

Easy maintenance
With its intuitive design, the daily maintenance of our Bobcat welder/generators is faster and easier.



Welder/generator is warrantied for three years, parts and labor.
Engine is warrantied separately by the engine manufacturer.



Miller Electric Mfg. LLC Equipment Sales US and Canada

MillerWelds.com



The Bobcat™ Advantage

Remote start/stop

Take control and eliminate noise. Easily turn your Bobcat machine on and off remotely so it only runs when you need it. Get more out of each tank, extend time between maintenance and work without the hassle of walking back to your machine.

The remote start/stop on Bobcat 225 welder/generators is installed and backed by Miller — so it's just as easy to use and dependable as your Bobcat machine.

SIMPLE

One button: press to start the welder/generator; press again to turn it off.

DURABLE

Tough and water-resistant, with a three-year warranty.



TWO-WAY COMMUNICATION

After start or stop command is received by the welder/generator the fob lights up and beeps.

EASILY ORDER ADDITIONAL FOBs

Order stock number 286385.

Savings on fuel and maintenance

When your machine is out of reach, it's a hassle to walk back to turn it off — so you let it run all day. Running a welder/generator when you're not welding or generating AC power uses more fuel and adds unnecessary hours to the engine, which leads to an increased need for oil changes, air filters, fuel filters and even generator brushes. You're wasting money on fuel and doing more routine maintenance than you need to.

A Bobcat welder/generator with remote start/stop is quick and easy to turn off when it's not being used. You spend less money on fuel, and less time and money on maintenance because there are fewer engine hours.



**ANNUALLY ON FUEL AND MAINTENANCE
BY SHUTTING THE MACHINE OFF.**

Jobsite safety

The noise of a welder/generator running all day is irritating — and can even keep you from hearing sounds that warn you of potential hazards.

When you turn your Bobcat off with remote start/stop, you'll help create a safer environment by reducing the number of machines running on a jobsite and increasing your awareness of warning sounds.



**WHEN YOU DON'T
NEED POWER,
TURN THE
MACHINE OFF
REMOTELY.**

Hands-free starting

Carbureted Bobcat welder/generators now have eChoke™ technology, which automatically sets the proper air/fuel mixture and eliminates the need to manually engage the choke, so cold-starting is now hands free.

eChoke is a trademark of Kohler Co.



FOR MORE CONSISTENT COLD-WEATHER STARTS.

Designed for reliability

From Appleton, Wisconsin USA, our welder/generators are the most rugged, durable and long-lasting in the industry. We manufacture them to exceed requirements for extreme working conditions and they are hard-working from the core with:

- Copper windings and iron generator components for a quality-built machine
- Lugged — not soldered — heavy internal leads for better field durability
- Superior cooling technology for maximum performance and engine life
- Protective doors to cover the weld studs and receptacles as required by OSHA and CSA for jobsite safety
- Lift hook integrated into the center frame, which bolts to the machine's base for greater durability



Small, light design

Bobcat welder/generators take up less space on trucks and trailers — leaving more room on your truck for other equipment and tools. Plus, they're easier to move around jobsites — even with weld cables attached.

Long runtimes

Large 12-gallon fuel capacity means many hours of run time before refueling.

Versatile AC and DC weld output

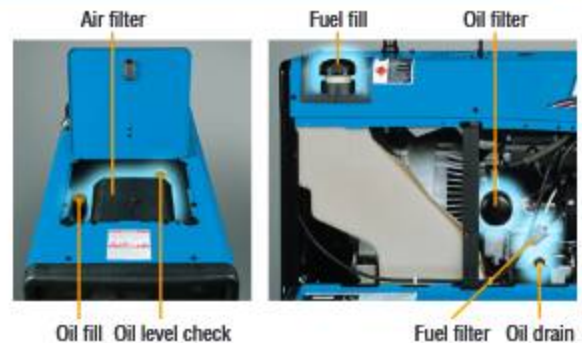
Provides quality welds on all types of metals. DC is smooth and easy to run while AC stick is used when arc blow occurs.

The Bobcat™ Advantage

Easy maintenance

With its intuitive design, the daily maintenance of our Bobcat welder/generators is fast and easy. Front panel maintenance displays help you know when your equipment needs to be serviced. And servicing is simple because of:

- Oil checks that can be performed easily through the top of the machine by the access door
- Toolless panels that allow for quick access
- Single-side fuel fill and oil drain/filter



Reversed generator flow

Exclusive engine and generator packaging design operates cooler and more efficiently. The engine is rotated towards the front to create more efficient airflow. More efficient airflow and exclusive engine location are significant contributors to reduced sound level and size reduction. Hot air recirculation is eliminated when machine is mounted in tight spots, and internal parts are kept cool for optimal performance.



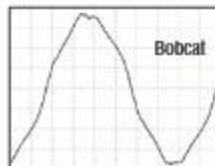
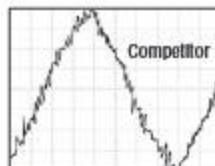
Accu-Rated™—not inflated generator power

Our Accu-Rated™ 11,000 watts of *usable* peak power is delivered for a minimum of 30 seconds. Accu-Rated means peak power is usable for maximum generator loads such as plasma cutting, Millermatic® MIG welders and motor starting. Accu-Rated peak power beats the competition's very short-duration peak or surge power. Use your peak power, it's more than a number.



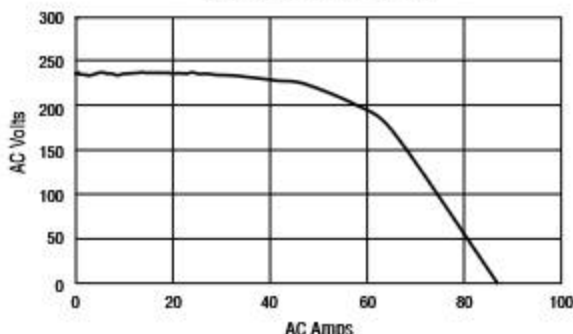
Smooth power — not spike power

Revolutionary ten-degree skewed-rotor design optimizes generator performance for smoother power — not spiked power found with other brands. Better power — better performance.



Waveform Comparison

Generator Power Curve



Tools and motors are designed to operate within 10 percent of 120/240 V. The power generator of the Bobcat provides strong power while keeping the voltage within 10 percent of 120/240 V. This increases tool/motor performance and life.

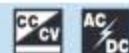
Typical equipment power usage

Bobcat welder/generators will easily start and run the following equipment:

Equipment	Starting Watts	Running Watts
Barn Cleaner (5 hp)	11,600	3,000
Silo Unloader (5 hp)	12,200	4,300
Portable Conveyor (1/2 hp)	3,400	1,000
Milker (5 hp)	10,500	2,800
Hand Drill (1/2 inch)	600	600
Circular Saw (8-1/4 inch)	1,400	1,400
Air Compressor (1-1/2 hp)	8,200	2,200
Flood Lights (Vapor)	1,250	1,000
Refrigerator/Freezer	2,200	700
Sump Pump	1,300	800
Millermatic® 212 Auto-Set™ MIG Welder (230 V)	6,500	6,500
Spectrum® 625 X-TREME™ (30 A, 230 V, 1/2-inch cut)	6,900	6,900

To select a generator that has enough power output in watts, add the watts for the items you want to simultaneously run. Tools and appliances with induction motors may require three to seven times the listed wattage when starting. All data listed is approximate — check your tool/appliance for specific wattage requirements.

Specifications (Subject to change without notice.)



Welding Mode	Process	Amp/Volt Ranges	Rated Weld Output at 104°F (40°C) ²	Single-Phase Generator Power	Sound Levels at Max. Load/150 A	Dimensions	Net Weight ³
CC/AC	Stick/TIG	60–160 A	150 A at 25 V, 100% duty cycle	Peak: 11,000 watts Continuous: 9,500 watts 120/240 V, 88/44 A, 60 Hz	73.5 dB/72 dB	H: 28 in. (711 mm) H: 32.75 in. (832 mm) (to top of exhaust) W: 20 in. (508 mm) D: 40.5 in. (1,029 mm)	485 lb. (220 kg)
CC/DC	Stick/TIG ¹	40–225 A	225 A at 25 V, 100% duty cycle				
CV/DC	MIG/FCAW	19–28 V	200 A at 20 V, 100% duty cycle				

1) DC TIG available above 80 amps. 2) Rated at sea level. 3) Net weight without fuel.

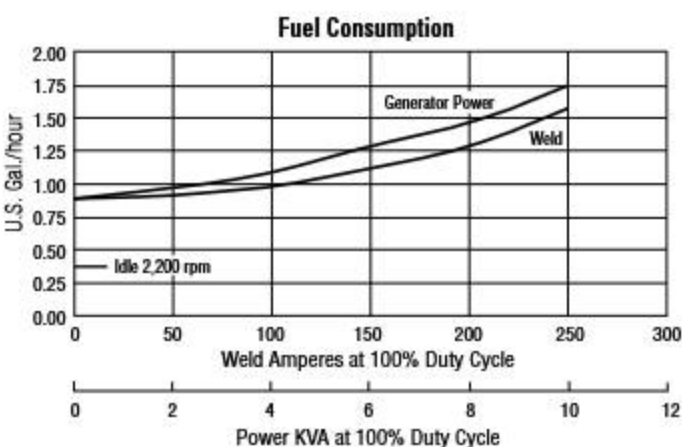
Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Engine Specifications (Engines warranted separately by the engine manufacturer.)

Engine Brand and Warranty	Horsepower (HP)	Type	Weld Speed	Idle Speed	Fuel Capacity	Oil Capacity	Standard Shutdowns
Kohler CH730, 3-year warranty	23.5 hp at 3,600 rpm	Twin-cylinder, four-cycle overhead valve, industrial air-cooled, gasoline*	3,600 rpm	2,300 rpm	12 gal. (45 L)	1.5 qt. (1.4 L)	Low oil pressure

*Fuel stabilizer is recommended for gas engines that are used infrequently.

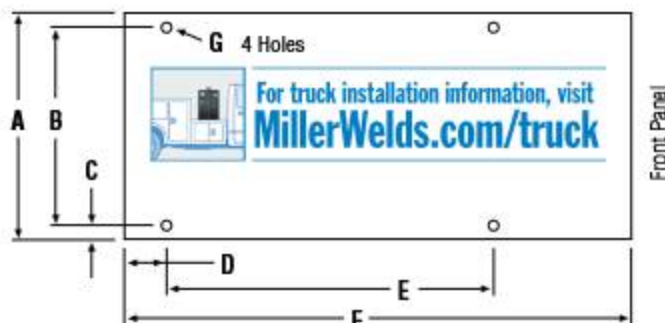
Performance Data



Fuel consumption data

- 12-gallon fuel capacity.
- On a typical job using 1/8-inch 7018 electrodes (125 A, 20% duty cycle) expect about 20 hours (gas) of operation.
- Welding at 150 A, 40% duty cycle uses approximately 3/4 gallon per hour—about 16 hours of operation (gas).
- Under a continuous load of 4,000 watts of generator power, the Bobcat would run for about 14 hours (gas) of operation.

Mounting Specifications



- A. 20 in. (508 mm)
- B. 16.5 in. (419 mm)
- C. 1.75 in. (44.5 mm)
- D. 5.12 in. (130 mm)
- E. 22.3 in. (566 mm)
- F. 40.32 in. (1,024 mm)
- G. .406 in. (10.3 mm) diameter