Rugged welder/generators are 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:
• Quieter to operate
• Smaller and lighter
• More fuel efficient with EFI
• Easier to maintain
The Bobcat™ Advantage

**Quieter and better sound***
Significant improvements in sound level and quality offer better jobsite communication, which provides a safer, more efficient working environment for you and your crew. Bobcat welder/generators have rotated the engine toward the front to create more efficient airflow, resulting in significantly quieter operation. Now you can start your job earlier in the day and end it later, as well as work around hospitals, businesses, and residential areas.

**Easier maintenance***
With its intuitive design, the daily maintenance of our Bobcat welder/generators is faster and easier. With front panel maintenance displays, you know when your equipment needs to be serviced. And servicing is simple because of:
- Oil checks that can be performed from the top by the front panel
- Toolless panels that allow for quick access
- Single-side fuel fill and oil drain/filter

**Smaller and lighter 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 safely around jobsites—even with weld cables and running gear attached.

*Compared to previous model

**Designed for reliability**
From Appleton, Wis. 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:
- 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
- Super-tough armor to protect the welder/generator from accidental impact
- Protective armor 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

**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.

Bobcat 250 Additional Features

- Front panel fuel and sight gauges provide convenient fuel level indication
- Smoother weld output and better generator power while welding
- More weld output than 225-amp welder generators—72 percent more power for MIG/flux-cored, 67 percent more for AC welding, and 11 percent more for DC stick

Bobcat 250 recommended option

**Electronic fuel injection (EFI)**
 EFI gas engines optimize the air/fuel ratio for all engine speeds and engine loads, resulting in lower operational costs, fewer emissions, longer runtimes and better performance when compared to carbureted models. The payback from fuel savings alone is a matter of months.

**EFI advantages (vs. carburetor models)**
- 12,000 watts of generator power
- Up to 27 percent better fuel efficiency—save up to $1,000 per year in fuel and extend runtimes by as much as 2.5 hours per tank
- Fast, easy starts in all climates—no choke required
- Reliable operation, even with infrequent use—less prone to fuel deterioration
- Fewer emissions—27 percent less CO and 33 percent lower HC+NOx levels
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.

The Bobcat™ Generator Power Advantage

Accu-Rated™ — not inflated generator power

Our Accu-Rated™ 11,000 watts (12,000 with EFI) 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.

Typical equipment power usage

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

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

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.

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Welding Mode</th>
<th>Process</th>
<th>Amp/Volt Ranges</th>
<th>Rated Weld Output at 104°F (40°C)²</th>
<th>Single-Phase Generator Power</th>
<th>Sound Levels at Max. Load/150 A</th>
<th>Dimensions</th>
<th>Net Weight³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bobcat 225</td>
<td>CC/DC</td>
<td>Stick/TIG¹</td>
<td>40–225 A</td>
<td>225 A at 25 V, 100% duty cycle</td>
<td>Peak: 11,000 watts</td>
<td>73.5 dB/72 dB</td>
<td>H: 28 in. (711 mm)</td>
<td>485 lb. (220 kg)</td>
</tr>
<tr>
<td></td>
<td>CC/DC</td>
<td>Stick/TIG</td>
<td>40–250 A</td>
<td>225 A at 25 V, 100% duty cycle</td>
<td>Continuous: 9,500 watts</td>
<td></td>
<td>H: 28 in. (711 mm)</td>
<td>501 lb. (227 kg)</td>
</tr>
<tr>
<td></td>
<td>CC/DC</td>
<td>MIG/FCWA</td>
<td>17–28 V</td>
<td>200 A at 20 V, 100% duty cycle</td>
<td>225 A at 25 V, 100% duty cycle</td>
<td></td>
<td>H: 28 in. (711 mm)</td>
<td>501 lb. (227 kg)</td>
</tr>
<tr>
<td>Bobcat 250</td>
<td>CC/AC</td>
<td>Stick/TIG</td>
<td>40–250 A</td>
<td>225 A at 25 V, 100% duty cycle</td>
<td>Peak: 11,000 watts</td>
<td>72.5 dB/72 dB</td>
<td>H: 28 in. (711 mm)</td>
<td>501 lb. (227 kg)</td>
</tr>
<tr>
<td></td>
<td>CC/DC</td>
<td>Stick/TIG</td>
<td>40–250 A</td>
<td>225 A at 25 V, 100% duty cycle</td>
<td>Continuous: 9,500 watts</td>
<td></td>
<td>H: 28 in. (711 mm)</td>
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<td>CC/DC</td>
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<td></td>
<td>H: 28 in. (711 mm)</td>
<td>501 lb. (227 kg)</td>
</tr>
</tbody>
</table>

**Note:** Derate outputs up to five percent when using LP fuel.  
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.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Brand and Warranty</th>
<th>Horsepower (HP)</th>
<th>Type</th>
<th>Weld Speed</th>
<th>Idle Speed</th>
<th>Fuel Capacity</th>
<th>Oil Capacity</th>
<th>Standard Shutdowns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bobcat 225 and 250</td>
<td>Kohler CH730, 3-year warranty</td>
<td>Gas: 23.5 hp at 3,600 rpm LP: 21 hp at 3,600 rpm</td>
<td>Twin-cylinder, four-cycle overhead valve, industrial air-cooled, gasoline* (carburetor or EFI) or LP**</td>
<td>3,600 rpm</td>
<td>2,300 rpm</td>
<td>12 gal. (45 L)</td>
<td>1.5 qt. (1.4 L)</td>
<td>Low oil pressure</td>
</tr>
<tr>
<td>Bobcat 250 EFI</td>
<td>Kohler ECH730, 3-year warranty</td>
<td>23 hp at 3,600 rpm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Fuel stabilizer is recommended for gas engines that are used infrequently.  
**Hose and LP Tank Mounting Assembly and setup are required.

### Performance Data

**Fuel Consumption**

- 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
1. **Maintenance display** provides fuel level (250 models only), engine hours and oil change interval information.

2. **Weld process selector switch** makes choosing between stick, wire and TIG processes easy. Switch also automatically changes polarity with process selection to make sure the machine is easy to set with little effort or knowledge (on 225 model, weld process selector switch is combined with coarse range control).

3. **Coarse range control**
   - **225 model** — Three DC stick/TIG, one AC TIG, and one wire range are available for output control. Stick ranges are designed for electrode diameters (3/32, 1/8 and 5/32 inch) making these models very easy to set.
   - **250 model** — Four stick/TIG and two wire ranges are available for output control. Stick ranges are designed for electrode diameters (3/32, 1/8, 5/32 and 3/16 inch) making these models very easy to set.

4. **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.

5. **Engine control switch** is used to start the engine and then select between auto idle and high speed lock positions.

6. **Engine choke control** is used for easy engine starting.
   - *Note: No choke necessary on EFI models.*

7. **120/240 V receptacle with circuit breaker.**
   - (For matching plug, order 119172.)

8. **120 V GFCI receptacles with circuit breakers.**
LP Gas*
Liquid withdrawal LP system with vaporizer and regulator. Does not include tanks, brackets or hose from tank to regulator.
Note: Requires hose and LP tank mounting assembly 300917.

GFCI Receptacles*  300975  Field Kit contains two GFCI 120 V duplex receptacles.

Electric Fuel Pump*  300976  Field Recommended for gas engine operations at altitudes above 5,000 feet. Improves engine starting and high-output performance.

Spark Arrestor  300924  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.

Remote Oil Drain and Filter Kit  300923  Field Front mount for Kohler. Makes servicing easy when engine drive is mounted in tight spots.

Full KVA Adapter Cord  300517  Field NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240 V plug to common Millermatic® and Spectrum® 240 V plug.

Engine Tune-Up Kits
230015  Field. Kohler CH730 (gas)
246115  Field. Kohler ECH730 (EFI gas)
252838  Field. Kohler CH730 (LP)
Includes spark plugs and engine filters.

Order the following from Miller Service Parts.

Genuine Miller® Options  *Available as factory option. See ordering information on back page.

Genuine Miller® Accessories

Never Flat™ Tires
Available on Bobcat and Trailblazer running gear.
• Eliminate costly jobsite downtime
• Maintain constant tire pressure and will not develop flats
• Protect against punctures
• Preserve maneuverability, even when weighed down with heavy welding cable

Off-Road Running Gear  300909  Gas/LP, with inner tubes  300910  Gas/LP, with Never Flat tires
Includes four heavy-duty 15-inch tires and a rugged handle to provide maximum maneuverability.

Multi-Terrain Running Gear  300913  Gas/LP, with inner tubes  300914  Gas/LP, with Never Flat tires
Includes two heavy-duty 15-inch tires, two 8-inch rubber swivel casters and a heavy-duty handle. Recommended for all surfaces and applications, and is easy to move around the jobsite.

Protective Cage with Cable Holders  300921  Gas/LP
Rugged cage with cable holders protects your investment. Can be used with running gear, gas cylinder mounting assembly, LP tank mounting assembly, or with trailer.

Gas Cylinder Mounting Assembly  300918  Gas
Designed for use with multi-terrain running gear, protective cage, or by itself. Includes bracket, vertical support rack and safety chain.
Note: Not for use with LP tank mounting assembly. Not recommended for use with protective cover.

Hose and LP Tank Mounting Assembly  300917  LP
Designed for use with multi-terrain running gear, protective cage, or by itself. Includes bracket and clamp to mount 33- and 43-pound tanks horizontally, and hose with fittings to converter.
Note: Not for use with gas cylinder mounting assembly. Not recommended for use with protective cover.

Protective Covers  300919  For gas models without protective cage or running gear (shown)
300920  For gas models with protective cage and/or running gear
Heavy-duty, water-resistant and mildew-resistant covers protect and maintain the finish of the welder.
MIG/Flux-cored Welding

Millermatic 141 and 211 shown.

Millermatic® 141  907612
See literature DC/12.42

Millermatic® 211  907614
See literature DC/12.58

Millermatic® 212 Auto-Set™  907405
See literature DC/12.46

The Millermatic line of MIG welders are complete arc welding power source, wire feeder and gun packages designed for portability and ease of use. Note: The Millermatic machines can be operated utilizing auxiliary power.

SuitCase® X-TREME™ 8VS Wire Feeder 951582

SuitCase® X-TREME™ 12VS Wire Feeder 951543

Lightweight, voltage-sensing wire feeders include secondary contactor, gas valve, drive roll kit and Bernard™ BTB Gun 300 A. See literature M/6.42.

Spoolmate® 30A
Spool Gun  130831
Air-cooled, 200-amp, one-pound spool gun for aluminum MIG. See literature M/1.73.

Requires WC-115A control (137546011).

Spoolmate® 3035
Spool Gun  195016
Use with SGA 100C control and heavy-duty barrel. Spool gun for aluminum and other wires. Four-inch spools; .023–.035 inch (0.6–0.9 mm) aluminum, steel and stainless steel. Rated at 150 amps, 60 percent duty cycle with 20-foot (6 m) cable assembly.

SGA 100C Control  043857
SGA with contactor required to connect Spoolmate 3035 to CV engine drive. Includes 10-foot (3 m) 115 V power cable and plug, 6-foot (1.8 m) interconnecting cable, and 5-foot (1.5 m) gas hose.

Heavy-Duty Barrel for Spoolmate 3035 195375
Use for demanding applications, rated at 200 A, 60 percent duty cycle.

Stick (SMAW) Welding

Weld Leads
2/0 Stick Cable Set, 50 ft. (15 m)  173851
Consists of 50-foot (15 m) 2/0 electrode cable with holder, and 50-foot (15 m) work cable with clamp. 350 A, 100% duty cycle.

2/0 Stick Cable Set, 100/50 ft. (30.5/15 m)  043952
Consists of 100-foot (30.5 m) 2/0 electrode cable with holder, and 50-foot (15 m) work cable with clamp. 300 A, 100% duty cycle.

TIG (GTAW) Welding

Dynasty®
210 Series
For portable AC/DC TIG. See literature AD/4.81.

Multiprocess Welding

Multimatic® 200  907518
Portable, all-in-one multiprocess package weighs only 29 pounds (13.2 kg), and features excellent arc characteristics. Exclusive multi-voltage plug (MVP™) provides flexibility to plug into 120- or 240-volt power. Take it anywhere you need to MIG, TIG or stick weld. See literature DC/12.57.

Plasma Cutting

Spectrum 375 X-TREME and 625 X-TREME shown.

Spectrum® 375 X-TREME™  907529
See literature PC/9.2

Spectrum® 625 X-TREME™  907579
See literature PC/9.6

Spectrum® 875  907583
See literature PC/9.8

The Spectrum 375 X-TREME and 625 X-TREME come complete with protective X-CASE™ (not shown).

Trailers and Hitches

HWY-Mid Frame Trailer  301438
1,424-pound (646 kg) capacity highway trailer with welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. Includes jack stand, fenders, lights, and dual hitch with 2-inch (50 mm) ball hitch and 3-inch (76 mm) lunette eye. Note: Trailer is shipped unassembled.

Cable Tree  043826
Provides an area to conveniently wrap weld cables and extension cords.

2-In-1 Document/ Fire Extinguisher Holder  301236
Stores documents and holds a five-pound fire extinguisher. Note: Holder shown mounted on trailer. Fire extinguisher not included.
<table>
<thead>
<tr>
<th>Equipment and Options</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bobcat™ 225</td>
<td>907498001</td>
<td>Kohler engine, base model</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>907498</td>
<td>Kohler engine with GFCI receptacles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bobcat™ 250</td>
<td>907500001</td>
<td>Kohler engine, base model</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>907500</td>
<td>Kohler engine with GFCI receptacles</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>907500002</td>
<td>Kohler engine with electric fuel pump</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bobcat™ 250 EFI</td>
<td>907502</td>
<td>Kohler engine, base model</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bobcat™ 250 LP</td>
<td>907504</td>
<td>Kohler engine with GFCI receptacles</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Field Options** Options listed below can be added to the above packages. Installation is required.

- **GFCI Receptacles** 300975
- **Electric Fuel Pump** 300976 Recommended for gas engine operations at altitudes above 5,000 feet
- **Spark Arrestor** 300924
- **Remote Oil Drain and Filter Kit** 300923 Front mount for Kohler
- **Full KVA Adapter Cord** 300517
- **Full KVA Plug** 119172
- **Engine Tune-Up Kits** See page 6. *Order from Miller Service Parts*

**Accessories**

- **Off-Road Running Gear**
  - 300909 Gas/LP models, with inner tubes
  - 300910 Gas/LP models, with Never Flat™ tires
- **Off-Road Running Gear with Protective Cage**
  - 300912 Gas/LP models, with Never Flat™ tires.
- **Multi-Terrain Running Gear**
  - 300913 Gas/LP models, with inner tubes
  - 300914 Gas/LP models, with Never Flat™ tires
- **Protective Cage with Cable Holders** 300921 Gas/LP models
- **Gas Cylinder Mounting Assembly**
  - 300918 Gas models. *Not for use with LP tank mounting assembly.* *Not recommended for use with protective cover*
- **Hose and LP Tank Mounting Assembly**
  - 300917 LP models. *Not for use with gas cylinder mounting assembly.* *Not recommended for use with protective cover*

**MIG/Flux-cored Welding**

- **Millermatic™ Series MIG Welders** See page 7
- **SuitCase® X-TREME Wire Feeders** See page 7
- **Spoolmatic® 30A Spool Gun** 130831 Requires WC-115A Control. See literature M/1.73
- **WC-115A Control** 137546011 See literature M/1.73
- **Spoolmate™ 3035 Spool Gun** 195016 See literature M/1.5
- **SGA 100C Control** 043857 See literature M/1.5
- **Heavy-Duty Barrel for Spoolmate 3035** 195375 See literature M/1.5

**Stick Welding** See page 7

**TIG Welding** See page 7

**Multiprocess Welding** See page 7

**Plasma Cutting** See page 7

**Trailers and Hitches**

- **HWY-Mid Frame Trailer** 301438 Trailer with lights, fenders and dual hitch. For highway use
- **Cable Tree** 043826 Trailer-mounted cable holder
- **2-In-1 Document/Fire Extinguisher Holder** 301236 Stores documents and holds a five-pound fire extinguisher

**Date:**

**Total Quoted Price:**

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