
1. : RYA201000007

2. : TIG

3. SPEC :

ENGINE DRIVEN DIESEL WELDING EQUIPMENT

1)MODEL:BOBCAT 250D #907213

2)MAKER: MILLER(U.S.A)

3)DC STICK/TIG OUTPUT: 40-250A

AC STICK/TIG OUTPUT: 40-250A

4)STICK/TIG RANGES:4

5)GENERATOR POWER :11,000WATTS PEAK

6)HIGH-FREQUENCY ARC STARTERS AND STABILIZER

- MODEL:HF-251D-1()

7)WORK CABLE(50SQ): 30MR, EARTH CABLE(50SQ): 20MR

8)TIG TORCH 350A (5M)

- AR REGULATE() 1EA

- AC/DC WEDING HOLDER(350A) 1EA

- EARTH CLAMP(300A) 1EA

- TUNGSTEN ROD 2.4 :10EA

- ARGON LONG CAP : 5EA

- ARGON SHORT CAP :5EA

- ARGON COLLET 2.4 :5EA

- ARGON COLLET BODY 2.4 :5EA

- ARGON CERAMIC NOZZLE 10 : 5EA

9)ACCESSORIES

- TIRE & WHEEL : 2SET

NOTE:

((680-4623) .)

2010 5 19 4

: TEL: 680-4653

FAX: 680-4539

E-MAIL: cskim@huchems.com

Bobcat™ Series

Issued Nov. 2009 • Index No. ED/4.4

Gas, LP or Diesel Engine-Driven
Welder/AC Generator 

Quick Specs

Industrial Applications

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

Processes

Stick (SMAW)
Flux Cored (FCAW)
MIG (GMAW)
DC TIG (GTAW)
Non-Critical AC TIG (GTAW)
Air Carbon Arc (CAC-A) Cutting and Gouging (3/16 in carbons)
Air Plasma Cutting and Gouging with optional Spectrum models
Optional Battery Charger

Output Range

	225	250	250 EFI
AC TIG/Stick	50–225 A	40–250 A	40–275 A
DC Stick/TIG	50–210 A	40–250 A	40–275 A
FCAW/MIG	19–28 V	17–28 V	17–28 V

Generator Power Output Rated at 104°F (40°C)

225/250 Peak: 11,000 W
225/250 Continuous: 9,500 W
250 EFI Peak: 12,000 W
250 EFI Continuous: 10,500 W

**Accu-Rated™
Not Inflated
Generator Power**

The Power of Blue.®

Reliable Bobcat engine-driven welding generators are the industry standard for quality and value. Multiprocess weld output, strong generator power, and most important — rated #1 in reliability, make the Bobcat the welding industry's most popular choice. **Bulletproof inside and out.**

Versatile AC and DC Stick/TIG plus Wire capabilities provide quality welds on all types of metals. DC is smooth and easy to run while AC Stick is used when arc blow occurs.

Note: AC TIG requires Dynasty 200 Series or HF-251 (non-critical).

Accu-Rated™—Not Inflated Generator Power. Miller's Accu-Rated 11,000 watts (12,000 with EFI) of usable peak power is delivered for a minimum of 30 seconds. See page 4 for more information.

Welding and generator power ratings are at 104°F (40°C)—highest in its class to ensure reliable performance.

Fuel capacity of 12 gallons means many hours of run time before refueling.

Toughest Welders...

CASE CLOSED



Bobcat 250 (gas model) shown

New! Optional Bobcat 250 EFI Model with 12,000 Watts and More Weld Power!

Meter maintenance displays:

- Hour meter function and oil change interval
- Diesel: High coolant temperature shutdown, low oil pressure shutdown and low fuel shutdown—engine shuts down before system runs out of fuel making restarts easy

Bobcat 250 models only

See Choose the Right Gas Engine Drive on page 2 for more information.

Optional EFI

NEW! Electronic Fuel Injection (EFI) Benefits vs Carburetor Models

- 12% to 27% better fuel economy!
- Reduced emissions—33% lower HC+Nox levels and 27% lower CO! (EPA 1000 Hour Certification)
- Easy starting in all climates with no choke required
- Elimination of carburetor icing
- Better high-altitude performance (electric fuel pump is recommended)
- EFI is more reliable when using equipment infrequently
- 12,000 watts of generator power and more weld output

The addition of the Bobcat's Tri-Cor™ Technology provides improved Stick arc performance with 7018 electrodes.

Front panel fuel and sight gauges provide convenient fuel level indication. Note: Diesel engine will shut down before the system runs out of fuel making restarts easy.



For truck installation information, visit MillerWelds.com/truck

TRUE BLUE
3 YR. WARRANTY

Welder/generator is warranted for 3 years, parts and labor. Engine is warranted separately by the engine manufacturer.

MADE IN **USA**
APPLETON, WI **USA**



Miller Electric Mfg. Co.
An Illinois Tool Works Company
1635 West Spencer Street
Appleton, WI 54914 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

Web Site
www.MillerWelds.com



Specifications (Subject to change without notice.)



Model	Welding Mode	Process	Amp/Volt Ranges	Weld Output Rated at 100% Duty Cycle (at 104°F/40°C)*	Single-Phase Generator Power	Sound Levels at Rated Output, 7 m (23 ft)	Dimensions	Net Weight**
Bobcat 225	CC/AC	TIG/Stick	50–225 A	225 A at 25 V	Peak: 11,000 watts Continuous: 9,500 watts 120/240 VAC, 88/44 A, 60 Hz	75.5 dB (100.5 Lwa)	H: 28 in (711 mm) H: 33 in (838 mm) to top of exhaust W: 20 in (508 mm) D: 45-1/2 in (1156 mm)	530 lb (240 kg)
	CC/DC	Stick/TIG	50–210 A	210 A at 25 V				
	CV/DC	MIG/FCAW	19–28 V	200 A at 20 V				
Bobcat 250	CC/AC CC/DC	Stick/TIG	40–100 A 60–140 A 80–200 A 100–250 A	250 A at 25 V (275 A at 25 V, 60% Duty Cycle) EFI Model 250 A at 28 V 275 A at 25 V	Peak: 11,000 watts Continuous: 9,500 watts 120/240 VAC, 88/44 A, 60 Hz EFI Model Peak: 12,000 watts Continuous: 10,500 watts	Kohler: 75.5 dB (100.5 Lwa) Subaru: 76.5 dB (101.5 Lwa) Kubota: 80.5 dB (105.5 Lwa)	Gas/LP Model: H: 28 in (711 mm) H: 33 in (838 mm) to top of exhaust W: 20 in (508 mm) D: 45-1/2 in (1156 mm) Diesel Model: H: 30 in (762 mm) H: 34-1/4 in (870 mm) to top of exhaust W: 20 in (508 mm) D: 52 in (1321 mm)	Gas/LP Model: 556 lb (252 kg) Diesel Model: 700 lb (318 kg)
	CV/DC	MIG/FCAW	17–22 V 20–28 V	250 A at 28 V (275 A at 25 V, 60% Duty Cycle)				

Note: Derate outputs up to 5% when using LP fuel. *Rated at sea level. **Net weight without fuel.

Certified to both Canadian and U.S. Standards for welding equipment available. CSA pending for Bobcat 250 EFI models. See ordering information on back.

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

Engine Brand/Warranty	Horsepower (HP)	Type	Weld Speed	Idle Speed	Fuel Capacity	Oil Capacity	Standard Shutdowns
Kohler: 3-year mfg.	23 HP (gas), 25 HP EFI, 25 HP (LP) at 3600 RPM	Twin-cylinder, 4-cycle overhead valve, industrial air-cooled, gasoline* (carburetor or EFI) or LP	3600 RPM	2300 RPM	12 gal (45 L)	1.5 qt (1.4 L)	Low Oil Pressure
Subaru: 3-year mfg.	23 HP at 3600 RPM	Twin-cylinder, 4-cycle overhead valve, industrial air-cooled, gasoline*	3600 RPM	2300 RPM	12 gal (45 L)	1.6 qt (1.5 L), 1.8 qt (1.75 L) with filter	Low Oil Pressure
Kubota: 2-year limited North American mfg.	19 HP at 3600 RPM	3-cylinder, industrial liquid-cooled, diesel	3600 RPM	2450 RPM	12 gal (45 L)	3.4 qt (3.2 L)	High Coolant Temperature/ Low Oil Pressure/Low Fuel

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

Choose the Right Gas Engine Drive

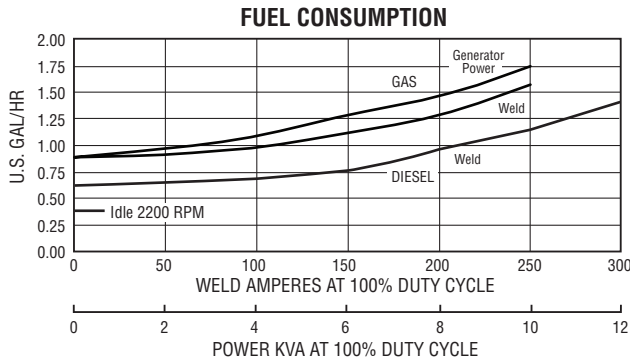
Product Description	Bobcat 225		Bobcat 250
	Cost-effective multiprocess machine primarily used for Stick is great for farm, ranch, stand-alone generator, and maintenance/repair operations.		Rugged engine drive is great for Stick and Flux Cored welding and is designed for maintenance/repair operations, construction, farm, ranch and generator use.
Welding Performance			
MIG—Wire (Solid/FCAW), Steel	Fair	Upgrade	Good
MIG—Wire, Aluminum w/Spool Gun	Fair	Upgrade	Good
TIG—DC, Steel	Good	Upgrade	Very Good
TIG—AC, Aluminum w/H.F.*	Fair	Upgrade	Fair/Good
Generator			
Watts	11,000 Watts	Upgrade	11,000 Watts/ 12,000 with EFI
Power While Welding	Fair/Good with voltage control set near maximum	Upgrade	Good—easier to fine tune arc with voltage control near maximum
Key Features			
Maintenance Displays	Hours/Oil Change	Upgrade	Hours/Oil Change/Fuel
EFI (Electronic Fuel Injection)	Not available	Upgrade	Optional

*High Frequency Arc Starter and Stabilizer.

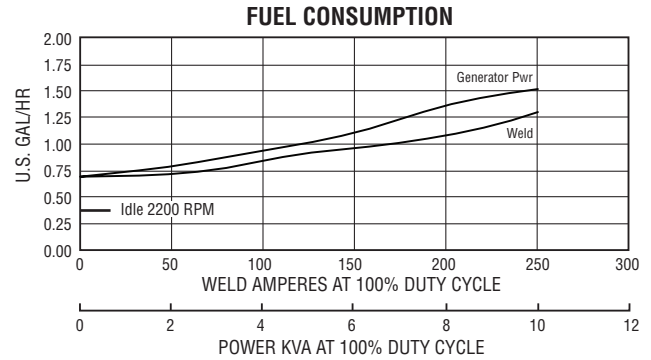
Why Buy a Gas or Diesel Engine?

Gas Advantages	EFI Advantages (vs. Carburetor Models)	Diesel Advantages
<ul style="list-style-type: none"> • Lower product cost (by 50–70%) • Smaller size and less weight • Less expensive engine repairs • Better warranties • Easier cold weather starting 	<ul style="list-style-type: none"> • 12–27% better fuel economy • Reduced emissions (approx. 1/3 lower) • Easy starting in all climates (no choke) • Elimination of carburetor icing • Better high altitude performance 	<ul style="list-style-type: none"> • Uses 20–40% less fuel than carburetor gas • 1-1/2 to 2-1/2 times the engine life • Required on some job sites for safety • Typically have longer maintenance intervals • Convenient if other equipment is diesel

Gas Carburetor and Diesel Models



Gas EFI Models



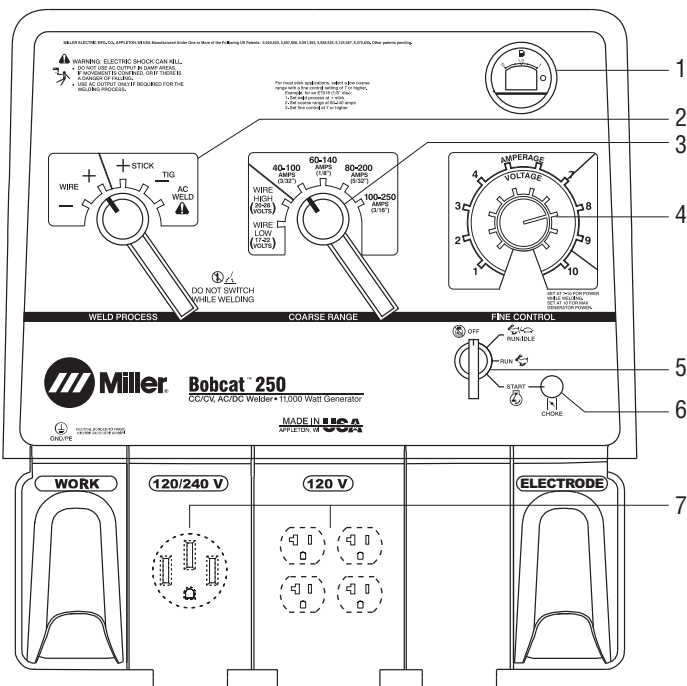
FUEL CONSUMPTION DATA

- 12-gallon fuel capacity.
- On a typical job using 1/8-in 7018 electrodes (125 A, 20% duty cycle) expect about 20 hrs (gas) or 24 hrs (diesel) of operation.
- Welding at 150 A, 40% duty cycle uses approximately: 3/4 gallon per hour — about 16 hrs of operation (gas) or 1/2 gallon per hour — about 20 hrs of operation (diesel).
- Under a continuous load of 4000 watts of generator power, the Bobcat would run for about 14 hrs (gas) or about 17 hrs of operation (diesel).

HOW EFI CAN SAVE YOU MONEY

- 120 V, 20 A continuous load (25 hrs/week, \$3/gal): fuel cost carbureted = \$75, fuel cost EFI = \$54.75. Difference of approximately \$20 x 50 weeks = **\$1,000 per year savings with EFI!**
- Running 1/8 in 7018 electrodes at 20% duty cycle, **EFI will save \$405 per year!**
- Running .045 diameter wire at 40% duty cycle, **EFI will save \$502 per year!**

Function Guide

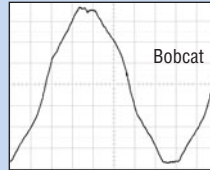
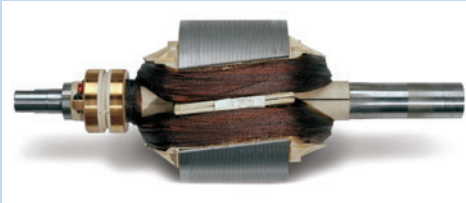


- Maintenance Displays** provide fuel level (250 models only), engine hours and oil change interval information. Diesel model adds high coolant temperature and low oil pressure shutdowns.
- Weld Process Selector Switch** makes choosing between Stick, Wire and TIG processes easy. Switch also automatically changes polarity with process selection to make sure the machine is easy to set with little effort or knowledge.
- Coarse Range Control**
225 Model — Three Stick/TIG and one Wire range are available for output control. Stick/TIG ranges are designed to electrode diameters (3/32, 1/8 and 5/32 in) making these models **very easy to set**.
250 Model — Four Stick/TIG and two Wire ranges are available for output control. Stick/TIG ranges are designed to electrode diameters (3/32, 1/8, 5/32 and 3/16 in) making these models **very easy to set**.
- 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.
- Engine Control Switch** is used to start the engine and then select between Auto Idle and High Speed Lock. Diesel model can be locked in idle for low-speed starting.
- Engine Choke Control** (Gas/LP models) is used for easy engine starting.
Note: No choke necessary on EFI models.
Glow Plugs (Diesel model) assist in cold weather starting.
- 120 VAC and 240 VAC Covered Receptacles with Circuit Breakers** meet/exceed OSHA/CSA requirements for job site safety (optional 120 VAC GFCI receptacles available).
Note: For matching plug, order #119 172.

The Bobcat Generator Power Advantage

Accu-Rated™ – Not Inflated Generator Power

Miller's 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.

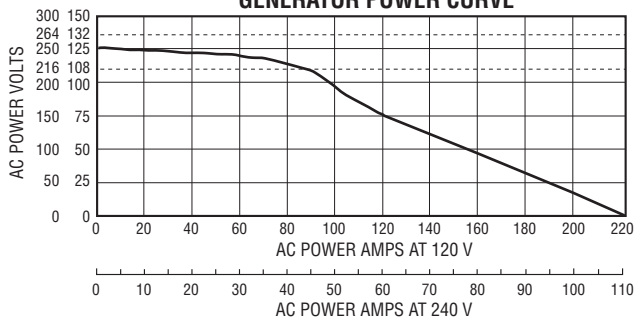


Waveform Comparison

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.

GENERATOR POWER CURVE



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

TYPICAL EQUIPMENT POWER USAGE

Bobcats will easily start and run the following equipment:

Equipment	Starting Watts	Running Watts
Barn Cleaner (5 HP)	11,600	3000
Silo Unloader (5 HP)	12,200	4300
Portable Conveyor (1/2 HP)	3400	1000
Milker (5 HP)	10,500	2800
Hand Drill (1/2 inch)	600	600
Circular Saw (8-1/4 inch)	1400	1400
Air Compressor (1-1/2 HP)	8200	2200
Flood Lights (Vapor)	1250	1000
Refrigerator/Freezer	2200	700
Sump Pump	1300	800
Millermatic® 212 Auto-Set™ MIG Welder (230 V)	6500	6500
Spectrum® 625 X-TREME™ (30 A, 230 V, 1/2 in cut)	6900	6900

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 3–7 times the listed wattage when starting. All data listed is approximate—check your tool/appliance for specific wattage requirements.

SIMULTANEOUS WELDING AND POWER

Weld Current in Amperes	Total Power in Watts	120 V Full kVA Receptacle Amperes	240 V Full kVA Receptacle Amperes
0	11,000	88*	44*
90	8000	66*	33
125	5200	43*	21
180	3500	29*	14
250	2200	18	9

For example, if you're welding at 125 amps you also have 5200 watts available for powering lights or tools (either 43 amps from the 120 volt full kVA receptacle or 21 amps from the 240 volt full kVA receptacle).

*50 A, 120/240 VAC receptacle. See Owner's Manual for additional information.

The Bobcat Competitive Advantage

Make deadlines, not excuses.

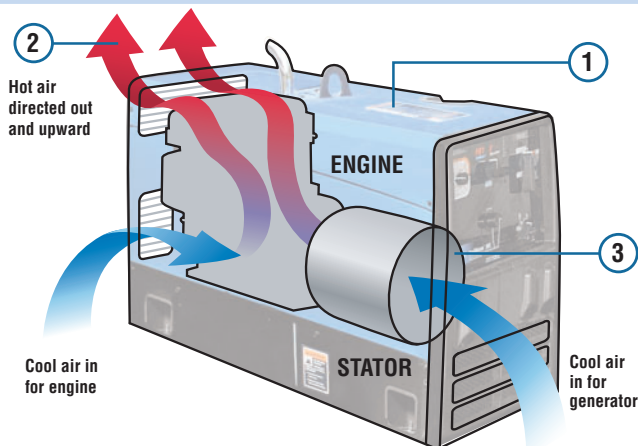
- 68% of service technicians, managers and owners, recommend the Bobcat over the competition.



Technician Recommendations

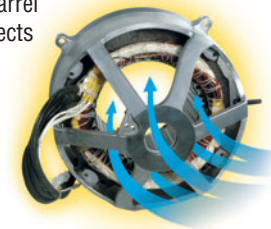
- 98% of current owners are "satisfied to very satisfied" with the Bobcat.*

*Based on an independent survey of thousands of Bobcat owners.



Directed airflow improves cooling for long engine and component life.

- 1 The fully enclosed case design virtually eliminates hot air recirculation when machine is mounted in tight spots.
- 2 Louver-directed air flow keeps the temperature of internal parts cool for maximum performance and extended life.
- 3 Patented self-cooling stator barrel completely encloses and protects its generator from the dirtiest and harshest environments.



All ratings are tested at 104° F (40° C) to maintain tough work schedules, even in hot weather.

Genuine Miller Options

*Available as factory option. See ordering information on back page.

GFCI Protection* #195 496 Field
Ground Fault Circuit Interruptors are required on some construction sites. Kit contains two GFCI 120 VAC duplex receptacles. (240 VAC GFCI receptacle not required).

LP Gas*
Liquid withdrawal with vaporizer and regulator. Does not include tanks, brackets, or hose from tank to regulator.

Note: Requires LP Tank Mounting Assembly #195 329.

Electric Fuel Pump* #195 214 Field
For gas models at high altitude. Improves engine starting and high-output performance.

Battery Charger*
Built-in system for industrial battery charging. Charges 12, 24 and 36 V batteries while not welding or using generator power.

Note: AC weld output not available with this option.



FA-7.5 Flame Arrestor Fuel Cap (Gasoline Red)
#042 632 Field
Lockable for added protection.

Spark Arrestor #043 579 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/Filter Kits

Rear Mounted (shown) #300 106 Field. For Kohler
#300 417 Field. For Subaru
Oil can be drained from rear of machine.

Front/Chassis Truck Mounted #300 236 Field. For Kohler
#300 418 Field. For Subaru
Oil can be drained from the front of the machine or below the truck, mounted on the chassis.
Makes servicing easy when engine drive is mounted in tight spots.



Adapter Cord, Full KVA #300 517 Field
NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240 V plug to common Millermatic® and Spectrum® 240 V plug.



Full KVA Plug Kit #119 172 Field
120/240 VAC, 50 amp plug (NEMA 14-50P) to fit full KVA receptacle.

Order the following from Miller Service Parts.

Engine Tune-Up Kits
#230 015 Field. Kohler CH 23 (Gas)
#246 115 Field. Kohler ECH 730 (EFI Gas)
#180 096 Field. Kohler CH 20 (LP) and CH 730 (LP)
#199 062 Field. Subaru EH 65
#206 421 Field. Kubota D722
Tune-up kits include spark plugs (Gas/LP models) and engine filters.

TIG Adapter with Extension #195 350 Field
Extension with Power Cable Adapter 45V11. Required for scratch start TIG welding with Bobcats.

Genuine Miller Accessories



All-Purpose Running Gear #300 396 Gas/LP, with inner tubes
#300 477 Gas/LP, with Never Flat™ tires

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

All-Purpose Running Gear with Protective Cage #300 428 Gas/LP, with inner tubes
#300 478 Gas/LP, with Never Flat™ tires
Running gear and rugged cage with cable holders protects your investment and is easy to move around flat surfaces.

All-Terrain Running Gear EZ #300 572 Gas, with inner tubes
#300 574 Gas, with Never Flat™ tires
Includes two heavy-duty 15 in tires, two 10 in pneumatic tires with innertubes and a rugged handle to provide maximum maneuverability.

Note: Not for use with Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.



All-Terrain Running Gear EZ with Protective Cage #300 573 Gas, with inner tubes
#300 575 Gas, with Never Flat™ tires

Running gear and rugged cage with cable holders protects your investment and is easy to move around the jobsite.

Note: Not for use with Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.



Protective Cage with Cable Holders #195 331 Gas/LP
#300 052 Diesel
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 #195 330 Gas/Diesel
Designed for use with All-Purpose Running Gear, Protective Cage, or by itself. Includes

base tray with bottle bracket, vertical support rack and safety chain.

Note: Not recommended for diesel models when equipped with All-Purpose Running Gear. Not for use with LP Tank Mounting Assembly or All-Terrain Running Gears. Not recommended for use with Protective Cover.



LP Tank Mounting Assembly #195 329 LP
Designed for use with All-Purpose Running Gear, Protective Cage,

or by itself. Includes bracket and clamp to mount 33 and 43 lb tanks horizontally, and hose with fittings to converter.

Note: Not for use with Gas Cylinder Mounting Assembly or All-Terrain Running Gears. Not recommended for use with Protective Cover.

Protective Covers



#195 333 shown

#195 333 For Gas models **without** Protective Cage or Running Gear.

#195 529 For Gas models **with** Protective Cage and/or Running Gear.

Note: Protective Cage side rail support brackets cannot be used with cover.

#195 334 For Diesel model **without** Protective Cage or Running Gear.

Heavy-duty, water-resistant and mildew-resistant covers protect and maintain the finish of the welder.

Plasma Cutting



Spectrum® 375 X-TREME™ #907 339
See Lit. Index No. PC/9.2.

Spectrum® 625 X-TREME™ #907 404 12 ft (3.7 m) torch
#907 404-01-1 20 ft (6.1 m) torch
See Lit. Index No. PC/9.6.

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

MIG/Flux Cored Welding



Millermatic 140 Auto-Set and 212 Auto-Set shown.

Millermatic® 140 Auto-Set™ #907 335
See Lit. Index No. DC/12.42

Millermatic® 180 Auto-Set™ #907 312
See Lit. Index No. DC/12.44

Millermatic® 212 Auto-Set™ #907 405
See Lit. Index No. 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 generator power.



SuitCase® X-TREME™ 8VS Wire Feeder #951 181

SuitCase® X-TREME™ 12VS Wire Feeder #951 184

Lightweight, portable, voltage-sensing wire feeders include secondary contactor and gas valve. See Lit. Index No. M/6.41.



Spoolmatic® 30A Spool Gun #130 831

Rated 200 amps at 100% duty cycle. Air-cooled, 1-lb spool

gun for aluminum MIG. Includes 30 ft (9.1 m) cable assembly. See Lit. Index No. M/1.73. WC-115A required for hookup.

WC-115A Control #137 546-01-1
With contactor. Use with Spoolmatic 30A.



Spoolmate™ 3035 Spool Gun #195 016

Use with SGA 100C Control and Heavy-Duty Barrel. Spool gun

for aluminum and other wires. 4 in spools; .023–.035 in (0.6–0.9 mm) aluminum, steel and stainless steel. Rated at 150 amps, 60% duty cycle with 20 ft (6 m) cable assembly.

SGA 100C Control #043 857
SGA with contactor required to connect Spoolmate 3035 to CV engine drive. Includes 10 ft (3 m) 115 VAC power cable and plug, 6 ft (1.8 m) interconnecting cable, and 5 ft (1.5 m) gas hose.

Heavy-Duty Barrel for Spoolmate™ 3035 #195 375

Use for demanding applications, rated at 200 A, 60% duty cycle.

TIG (GTAW) Welding



Dynasty® 200 Series

For premium portable AC/DC TIG arc quality. See Lit. Index No. AD/4.8.



HF-251 Series #042 388

HF-251D-1, 115 VAC High-frequency arc starter and stabilizer. See Accessory Lit. Index No. AY/5.0. Requires Secondary Contactor.

Secondary Contactor #041 969 Field Required to use HF-251D-1.

Trailers and Hitches



HWY-1000 Trailer #195 013

A 1000 lb (454 kg) capacity highway trailer with welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. The HWY-1000 comes with jack stand, 2 in (50 mm) ball hitch, fenders and lights.

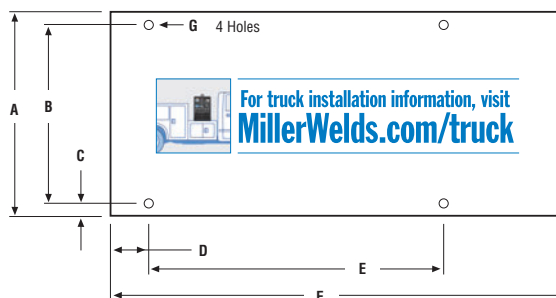
Note: Trailer is shipped unassembled.

Cable Tree #195 023

Provides an area to conveniently wrap weld cables and extension cords on the HWY-1000 trailer.

Lunette Eye 2-1/2 in (64 mm) #043 824

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) (Gas)
52 in (1321 mm) (Diesel)
- G. 13/32 in (10 mm) diameter

Height: (to top of exhaust)
33 in (838 mm) (Gas)
34-1/4 in (870 mm) (Diesel)

Width: 20 in (508 mm)

Depth: 45-7/8 in (1164 mm) (Gas)
52-1/2 in (1334 mm) (Diesel)

Typical Installations for Bobcat 250



Stick (SMAW) Basic Equipment

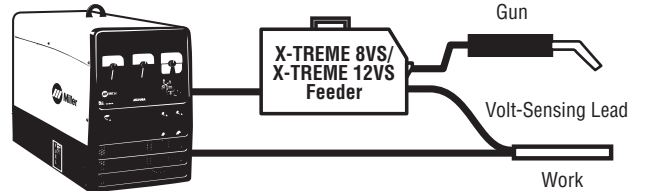
- Four-position range switch provides fine amperage control for typical electrode diameters (3/32, 1/8, 5/32 and 3/16 in).
- AC weld output for good arc quality with iron powder electrodes without fighting magnetic arc blow.
- Strong auxiliary power while welding — for example, if you are welding at 250 amps the Bobcat delivers 2200 watts of power to run tools, lights etc.



Flux-Cored (FCAW) Basic Equipment

SuitCase® X-TREME™ 8VS #951 181
 SuitCase® X-TREME™ 12VS #951 184

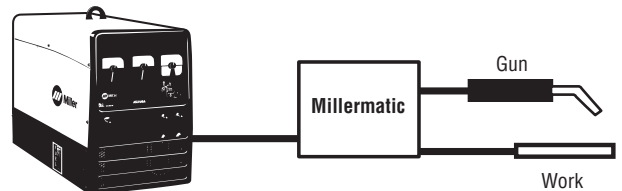
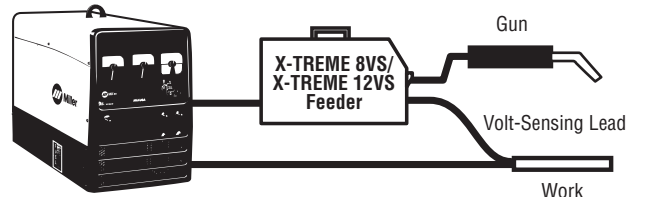
- 275 amps at 25 volts, 60% duty cycle (250 amps at 28 volts, 100% duty cycle). Strong output allows higher travel speeds and deposition rates than competitive machines.
- High voltage output ratings (28 volts at 250 amps) help to compensate for voltage drop across long weld cables.



MIG (GMAW) Basic Equipment

SuitCase® X-TREME™ 8VS #951 181
 SuitCase® X-TREME™ 12VS #951 184
 Millermatic® 140 Auto-Set™ #907 335
 Millermatic® 180 Auto-Set™ #907 312
 Millermatic® 212 Auto-Set™ #907 405

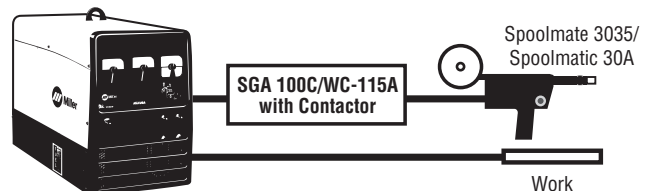
- Use .035 in solid wire with 75/25 argon mixed gas for welding down to 16 gauge steel.
- Use .045 solid wire with a minimum of 80% argon gas for spray transfer on 1/8 in and thicker material (flat and horizontal position).
- Millermatic machines utilize generator power.



Aluminum MIG (GMAW) Basic Equipment

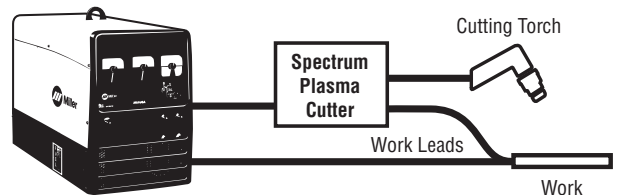
Spoolmate™ 3035 #195 016
 SGA 100C #043 857
 Spoolmatic® 30A #130 831
 WC-115A Control #137 546-01-1

- Excellent results from 1/8–1/2 in thick fillet welds.



Plasma Basic Equipment

- Spectrum® machines utilize generator power.
- Quality cuts with an optional Spectrum® plasma cutter.
- Replace heavy oxy-fuel cylinders with a lightweight, fast and versatile Spectrum® plasma cutter.
- Most plasma units require a separate air source.

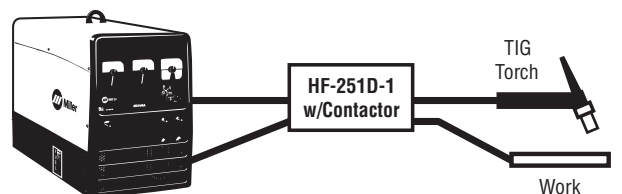


TIG (GTAW) Basic Equipment

TIG Adapter w/Extension #195 350
 • Required for Scratch Start TIG welding

Dynasty® 200 Series
 HF251D-1 #042 388
 Secondary Contactor #041 969
 RMLS-14 Switch #129 337

- Excellent DC TIG capabilities
- Non-critical AC TIG welding (no remote amperage control available on the Bobcat)



Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Bobcat™ 225 (23 HP Kohler)	#907 209 #907 209-01-1 #907 209-01-3 #907 209-01-4	Base machine, CC/CV, AC/DC 11,000 watts With GFCI Receptacles With CSA Approval With No Battery		
Bobcat™ 225 (23 HP Subaru)	#907 210 #907 210-01-1 #907 210-01-2	Base machine, CC/CV, AC/DC 11,000 watts With GFCI Receptacles With CSA Approval		
Bobcat™ 250 (23 HP Gas, 25 HP LP Kohler)	#907 211 #907 211-01-1 #907 211-01-3 #907 211-01-4 #907 211-01-8 #907 211-02-1 #907 211-03-1	Base machine, CC/CV, AC/DC 11,000 watts With GFCI Receptacles With CSA Approval With Electric Fuel Pump for High Altitude With No Battery With Battery Charger and GFCI Receptacles With LP Gas, CSA Approval and GFCI Receptacles		
Bobcat™ 250 (23 HP Subaru)	#907 212 #907 212-01-1 #907 212-01-3 #907 212-01-4 #907 212-01-5 #907 212-02-1	Base machine, CC/CV, AC/DC 11,000 watts With GFCI Receptacles With CSA Approval With Electric Fuel Pump for High Altitude With No Battery With Battery Charger and GFCI Receptacles		
Bobcat™ 250 EFI (Electronic Fuel Injection) (25 HP Kohler)	#907 450 #907 450-00-1 #907 450-00-2 #907 450-00-3 #907 450-00-4	Base machine, CC/CV, AC/DC 12,000 watts With GFCI Receptacles With CSA Approval (Pending) With Electric Fuel Pump for High Altitude With No Battery		
Bobcat™ 250 Diesel (19 HP Kubota)	#907 213 #907 213-01-1 #907 213-02-1 #907 213-01-3	Base machine, CC/CV, AC/DC 11,000 watts With GFCI Receptacles With Battery Charger and GFCI Receptacles With No Battery (International)		
GFCI Protection	#195 496	Field		
Electric Fuel Pump	#195 214	Field. For gas models at high altitude		
Flame Arrestor Fuel Cap	#042 632	Field. Gas models		
Spark Arrestor	#043 579	Field		
Remote Oil Drain and Filter Kit		Field. See page 5		
Adapter Cord, Full KVA	#300 517	Field		
Full KVA Plug	#119 172	Field		
Engine Tune-Up Kits		Field. See page 5		
TIG Adapter with Extension	#195 350	Field. Required for Scratch Start TIG welding w/Bobcats. (Order from Miller Service Parts)		
Accessories				
All-Purpose Running Gear	#300 396 #300 477	Gas/LP models, with inner tubes Gas/LP models, with Never Flat™ tires		
All-Purpose Running Gear with Protective Cage	#300 428 #300 478	Gas/LP models, with inner tubes Gas/LP models, with Never Flat™ tires		
All-Terrain Running Gear EZ	#300 572 #300 574	Gas models, with inner tubes. <i>Not for use with Gas Cylinder or LP Tank Mounting Assembly</i> Gas models, with Never Flat™ tires. <i>Not for use w/Gas Cylinder or LP Tank Mounting Assembly</i>		
All-Terrain Running Gear EZ with Protective Cage	#300 573 #300 575	Gas models, with inner tubes. <i>Not for use w/Gas Cylinder or LP Tank Mounting Assembly</i> Gas models, with Never Flat™ tires. <i>Not for use w/Gas Cylinder or LP Tank Mounting Assembly</i>		
Protective Cage with Cable Holders	#195 331 #300 052	Gas/LP models Diesel model		
Gas Cylinder Mounting Assembly	#195 330	Gas/Diesel models. <i>Not for use with LP Tank Mounting Assembly or All-Terrain RGs</i>		
LP Tank Mounting Assembly	#195 329	LP models. <i>Not for use with Gas Cylinder Mounting Assembly or All-Terrain RGs</i>		
Protective Covers		See page 6		
Spectrum® Plasma Cutters		See page 6		
Millermatic® Series MIG Welders		See page 6		
SuitCase® Portable Wire Feeders		See page 6		
Spoolmatic® 30A Spool Gun	#130 831	Requires WC-115A Control. See Lit. Index No. M/1.73		
WC-115A Control	#137 546-01-1	See Lit. Index No. M/1.73		
Dynasty® 200 Series TIG Welders		See Lit. Index No. AD/4.8		
HF-251D-1	#042 388	115 VAC. Requires Secondary Contactor		
Secondary Contactor	#041 969			
HWY -1000 Trailer	#195 013			
Cable Tree	#195 023			
Lunette Eye 2-1/2 in (64 mm)	#043 824			

Date:

Total Quoted Price:

Distributed by:

