

Bobcat™ 3 Phase

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Engine-Driven Welder/
AC Generator 

Quick Specs

Applications

Generator Power for:

Farm or Home Backup
Pivot Irrigation Systems
Pumps
Conveyors

Welding:

Farm Equipment Repair
General Maintenance
Fabrication

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

Generator Power Output Rated at 104° F

3-Phase: 11,000 Watts Peak, 10,000 Watts Continuous

1-Phase: 10,000 Watts Peak, 9,500 Watts Continuous

Weld Output Rated at 104° F

For DC Stick 210 Amps at 25 Volts, 100% Duty Cycle

For AC Stick/TIG 225 Amps at 25 Volts, 100% Duty Cycle

For FCAW/MIG (CV) 200 Amps at 20 Volts, 100% Duty Cycle

Output Range

For DC Stick: 50–210 Amps **For FCAW/MIG (CV):** 17–28 Volts

Weight 512 lb (238 kg)

The Power of Blue.®

20 HP Kohler Command overhead valve engine provides dependable all-weather starts, exceptional fuel efficiency, pressure lubrication, no valve adjustment, as well as reduced oil consumption and emissions.

Heavy-duty construction! Engine, generator barrel, electrical switches and other components are protected against accidental impact while allowing plenty of air to cool and prolong the life of the engine.

Standard **circuit breaker protection** protects tools and the generator itself.

Patented 10-gallon “smart” fuel tank has a reservoir design that minimizes the chance of fuel backflow. Large capacity means more running time before refueling. Standard fuel gauge is accurate and easy to read. Additional fuel sight gauges on both sides.



Fastex™ tool-free oil drain system combined with **hour meter** makes service a snap.



Rotatable exhaust can rotate a full 360 degrees.

TRUE BLUE
3-YR WARRANTY

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



11,000 watts (peak), 480 V, 3-phase power for running pivot irrigation systems, or emergency backup power for milking pumps and other motors.

10,000 watts (peak), 120/240 V, 1-phase output provides plenty of power to run power tools, lights or emergency backup power for your barn or home.

Specifications (Subject to change without notice.)



Welding Mode	Max. Open-Circuit Voltage	Amp/Volt Ranges	Rated Weld Output at 100% Duty Cycle at 104° F	Generator Power	Dimensions	Weight*
CC/AC	80	50–100 A	225 A at 25 V	10,000 watts, 84/42 A, 120/240 VAC, 1-phase	H: 33 in (838 mm) W: 18-3/4 in (476 mm) D: 45-1/2 in (1156 mm)	512 lb (238 kg)
CC/DC	72	70–150 A 85–225 A (210 DC)	210 A at 25 V			
CV/DC	33	17–28 V	200 A at 20 V	11,000 watts, 13 A, 480 V, 3-phase		

Rated output decreases approximately 3.5% per 1000 ft (305 m) above sea level. *Net weight without fuel. Add 30 lb for shipping weight.

Engine Specifications (Subject to change without notice.)

Engine Brand	Horsepower (HP)	Type	Weld Speed	Idle Speed	Fuel Capacity	Oil Capacity
Kohler: 3 year mfg. warranty	20 HP at 3600 RPM	V-Twin cylinder, 4-cycle, OHV, industrial, air-cooled, gasoline	3700 RPM	2200 RPM	10 gal (38 L)	1.75 qt (1.7 L), 2 qt (1.9 L) with filter; every 100 hrs for oil, every 200 hrs for oil filter



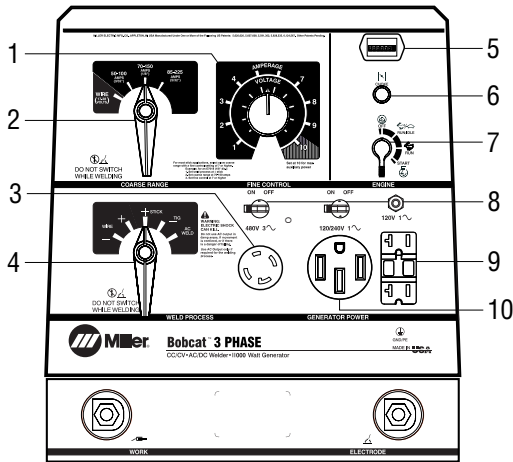
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Web Site
www.MillerWelds.com



Control Panel



1. Fine Adjust Control
2. Coarse Adjust Switch
3. 15 A, 480 V Receptacle*
4. Weld Process Selector Switch
5. Engine Hour Meter
6. Engine Choke Control
7. Engine Control Switch
8. Auxiliary Power Circuit Breakers
9. 20 A, 120 VAC, GFCI Circuit Breaker Duplex Receptacle
10. 50 A, 120/240 VAC Receptacle**

*For matching plug, order #165 963

**For matching plug, order 119 172

Performance Data

SIMULTANEOUS WELDING AND 1-PHASE POWER

Weld Current In Amperes	Total Power 1-Phase In Watts	120 V Receptacle Amperes	240 V Receptacle Amperes
210	1000	8	4
140	4300	36	18
90	6000	50	25

See Owner's Manual for additional information.

TYPICAL POWER USAGE

Tool	Starting Watts	Running Watts
Table Saw, 10 inch	6,300	1,800
Air Compressor, 1-1/2 HP	8,200	2,200
Flood Lights		
Metal Halide	313	250
Mercury	1000	—
Vapor	1,250	1,000
Submersible Pump, 400 gph	600	200
Centrifugal Pump, 900 gph	900	500
High Pressure Washer, 1 HP	6,100	1,600
Wet & Dry Vac, 1.7 HP	900	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 3 – 7 times the listed wattage when starting. All data listed is approximate — check your tool/appliance for specific wattage requirements.

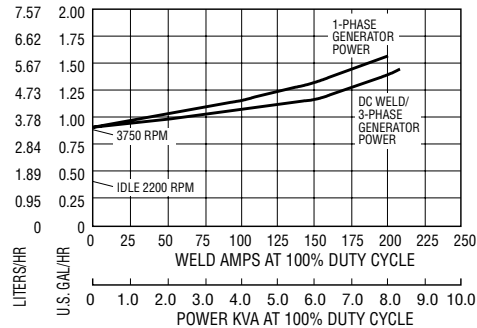
SIMULTANEOUS WELDING* AND 3-PHASE POWER

CV/DC Weld Current In Amperes	Total Power 3-Phase In Watts	480 V Receptacle Amperes
200	2500	3
165	4500	5.4
130	6500	7.8
90	8000	9.6
0	10500	12.6

See Owner's Manual for additional information.

*Welding in AC/CC or DC/CC is not recommended while using 3-phase power.

FUEL CONSUMPTION (Kohler 20 HP Command OHV)



Ordering Information

Power Source	Stock No.	Description	Qty.	Price
Bobcat™ 3 Phase	#903 517-01-14	20 HP Kohler engine. 11,000 watts, 3-phase / 10,000 watts, 1-phase.		
Genuine Miller Options and Accessories		See Bobcat 225 NT Spec Sheet (ED/4.31) or Bobcat 250 NT Spec Sheets (ED/4.4)		

Date: _____ Total Quoted Price: _____

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