Bobcat™ 200 Air Pak™

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Gas or Diesel Engine-Driven Air Compressor/Battery Charger/ Crank Assist/Welder

Quick Specs

Industrial Applications
- Work/service trucks
- Maintenance
- Repair
- Farm/ranch
- Mechanical contractors

Processes
- DC stick (SMAW)
- MIG (GMAW)*
- Flux-cored (FCAW)*
- DC TIG (GTAW)
- Air plasma cutting and gouging with optional Spectrum® models

**With wire feeder.*

Air Compressor
30 cfm at 175 psi, 100% duty cycle

Auxiliary Power
8,000 watts peak
6,500 watts continuous

Battery Charge 12/24 V, 100 A

Crank Assist 12/24 V, 300 A

Output Range
DC stick 30–210 A
DC TIG 30–210 A
MIG/flux-cored 15–25 V, 210 A

For work-truck operators looking to consolidate or improve reliability of their power equipment, the Bobcat 200 Air Pak is a quiet fuel-efficient all-in-one that maintains power capabilities in a compact lightweight footprint, and is backed by the industry-leading reliability and performance customers expect. Available in both gas and diesel models.

Air compressor

Auxiliary power

Battery charge/ crank assist

Welder with multiprocess capabilities

Auto-Speed™

Maximize available payload. Reduce weight by up to 600 pounds and increase available payload by up to 24 cubic feet.

Reduce fuel consumption. Minimize fuel costs by reducing truck engine idle time by as much as 75 percent, or if you have a separate engine-driven compressor by only operating one engine.

Minimize operating costs. Potentially save more than $50,000 over ten years from increased fuel efficiency, decreased maintenance costs and increased asset life.

Professional appearance. The components of the Bobcat 200 Air Pak are concealed within a durable environment-resistant precision-engineered enclosure.

TRUE BLUE® 3 YR. WARRANTY

Engine-driven welder/air compressor/battery charger is warranted for three years, parts and labor.
Engine is warranted separately by the engine manufacturer.

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MillerWelds.com

Certified System ISO 9001 Quality

Bobcat™ 200 Air Pak™ Features

Air compressor

The Bobcat 200 Air Pak features a 30 cfm rotary-screw compressor that can power virtually any air tool, including most 3/4-inch impact wrenches. The rotary-screw air compressor provides air on demand and is more reliable. It allows techs to complete tasks without having to stop to let the compressor recover, improving their productivity.

The Bobcat 200 Air Pak provides 20 cfm of air output at idle or 30 cfm at full speed.

Auxiliary power

The Bobcat 200 Air Pak provides a 6,500-watt generator that can handle most jobsite electrical needs — electrical tools, lights, and more.

Two 120-volt duplex receptacles and one 120/240-volt receptacle provide 60 Hz current to support jobsite electrical tools, lights, and even high-demand applications like plasma cutters and TIG welders.

Battery charge/crank assist

The Bobcat 200 Air Pak provides up to 100 amps at idle to quickly charge 12- and 24-volt batteries. Jobsite equipment with weak batteries can get up to 300 amps of crank assist.

Welder

The Bobcat 200 Air Pak provides multiprocess weld capabilities with 210 amps of output (100 amps while idling) so technicians are prepared for each welding job they encounter in the field. Inverter-based welding delivers a smooth, stable arc that's forgiving of variations in arc length and travel speed, so it's easier for technicians to produce clean welds and avoid the time and expense of rework.

Auto-Speed™

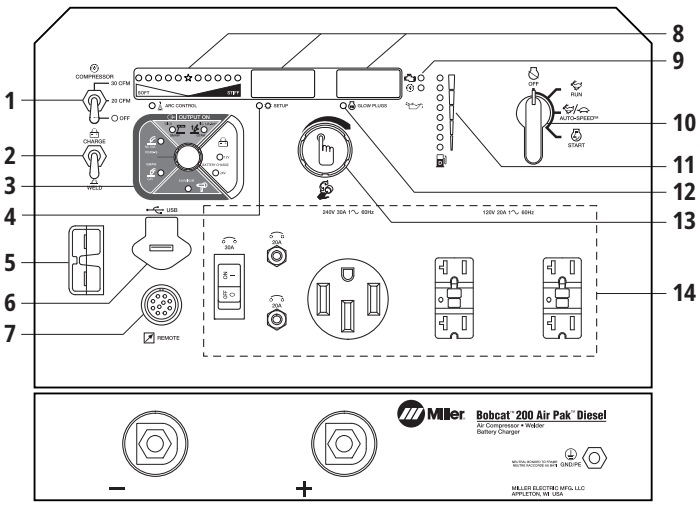
Advanced Auto-Speed technology automatically adjusts engine speed to match weld and battery charge demands — reducing fuel consumption, maintenance costs and noise for more efficient jobsites.

Testing

Ruggedly built and rigorously tested to ANSI and CSA standards, the Bobcat 200 Air Pak is proven to withstand high temperatures, rain, salt, dust, impact, vibration and more. Its welding, auxiliary power, battery charging and crank assist systems are tested to meet the highest applicable industry safety standards.

Function and Benefit Guide

1. **Air compressor switch.** When the air compressor switch is in 20 cfm position, engine runs at 2,400 rpm (idle). When in 30 cfm position, engine runs at 3,600 rpm.
2. **Battery charge/weld switch.** The charge position allows battery charge and crank assist, selectable between 12 volt or 24 volt at the process control switch. The weld position puts unit in weld mode.
3. **Process control switch.** Process switch works in conjunction with Charge/Weld switch. Use switch to select weld process or battery charge process.
4. **Setup light** illuminates when in Service Menu.
5. **Battery charge/crank assist receptacle** for connection to battery charge/crank assist (12 or 24 volt).
6. **USB port** allows software updates from a USB drive. A summary file of recoded data from the unit will be saved to a USB drive that is inserted.
7. **Remote 10-pin receptacle** for connection of Spoolmate™ 200 or Spoolmatic® 30A spool gun.
8. **Menu display and arc control indicator lights**
9. **Maintenance indicator lights.** When illuminated, lights indicate when either engine or compressor is due for oil change.
10. **Engine control switch** is used to start the engine, select speed, and stop engine. In Run position, engine runs at high speed (3,600 rpm). In Auto-Speed™ position, engine runs at speed determined by load demand.



11. **Fuel level indicator lights**
12. **Glow plug light (diesel only)** illuminates when the engine glow plugs are energized.
13. **Pushbutton main control knob** used for adjusting amperage/voltage, adjusting arc control, and accessing the service menu.
14. **120 and 240 V receptacles with circuit breakers**
    *Note: For matching 50 A plug, order **119172**.*

Specifications (Subject to change without notice.)

Compressor Brand and Warranty	Features	Free Air Delivery at 3,600 rpm	Working Pressure	Duty Cycle	Oil Capacity	Automatic Compressor Shutdowns
Rotorcomp, covered under the Miller® 3-year warranty	Rotary screw with electric clutch for on/off, oil change intervals 500 hours	30 cfm (0.85 m^3/min.)	80–175 psig	100%	2 qt. (1.89 L)	High pressure (200 psi), high temperature

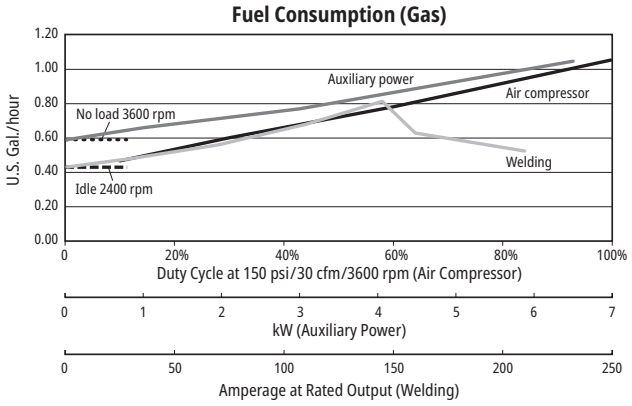
Process	Output Ranges	Rated Weld Output at 104°F (40°C)*	Single-Phase Auxiliary Power	Sound Levels at 7 m (23 ft.)	Dimensions	Net Weight**
Battery charge/ crank assist	12/24 V	Charge: 100 A Crank assist: 300 A	Peak: 8,000 watts Continuous: 6,500 watts	Idle: 66 dB (gas) 67 dB (diesel) High speed: 72 dB (no load) 73 dB (loaded)	**Gas** H: 24.25 in. (616 mm) H: 29.78 in. (756 mm) *(to top of exhaust)* W: 20 in. (508 mm) D: 44.61 in. (1,133 mm) **Diesel** H: 28.875 in. (734 mm) H: 29.75 in. (756 mm) *(to top of exhaust)* W: 20 in. (508 mm) D: 47.25 in. (1,200 mm)	**Gas** 514 lb. (233 kg) **Diesel** 618 lb. (280 kg)
DC stick/TIG	30–210 A	120 A at 25 V, 100% duty cycle 140 A at 26 V, 60% duty cycle 210 A at 28 V, 20% duty cycle				
MIG/FCAW	15–25 V	120 A at 20 V, 100% duty cycle 140 A at 21 V, 60% duty cycle 210 A at 25 V, 20% duty cycle				

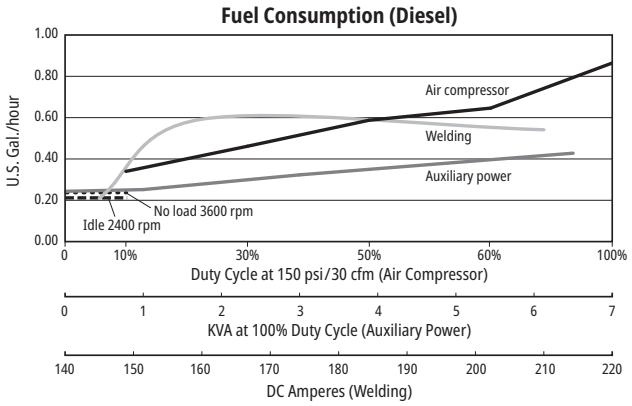
**Rated at sea level. **Net weight without fuel.* *Certified by Canadian Standards Association to both the Canadian and U.S. Standards.*

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

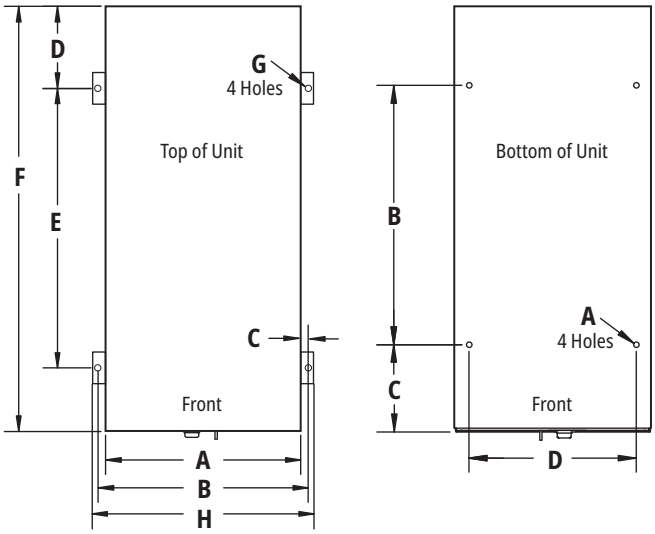
Bobcat 200 Air Pak Model	Engine Brand and Warranty	Horsepower (HP)	Type	Power Speed	Idle Speed	Fuel Capacity	Oil Capacity	Standard Shutdowns
Gas	Kohler EFI ECH730, 3-year warranty	23 hp at 3,600 rpm	Twin-cylinder, four-cycle overhead valve, industrial air-cooled, gasoline (EFI) with ETB (electronic throttle body)	3,600 rpm	2,400 rpm	7 gal. (26.5 L)	1.9 qt. (1.8 L)	Low oil pressure
Diesel	Kubota D722, 3-year warranty	19 hp at 3,600 rpm	Three-cylinder, industrial liquid-cooled diesel with 60-amp alternator and electronic governor. Engine block heater standard	3,600 rpm	2,400 rpm	7 gal. (26.5 L)	3.4 qt. (3.2 L)	Low oil pressure, high coolant temperature, low fuel level

Performance Data





Mounting Specifications



External Mounting
- **A.** 20 in. (508 mm)
- **B.** 21.77 in. (553 mm)
- **C.** 0.88 in. (22 mm)
- **D.** 8.21 in. (209 mm)
- **E.** 29.86 in. (758 mm)
- **F.** 47.25 in. (1,200 mm)
- **G.** 9/16 in. (14 mm) diameter
- **H.** 22.73 in. (577 mm)

Internal Mounting
- **A.** 0.5 in. (12.7 mm) diameter
- **B.** 27.48 in. (698 mm)
- **C.** 9.38 in. (238 mm)
- **D.** 17 in. (432 mm)

For truck installation information, visit MillerWelds.com/WTdrawings

Genuine Miller® Options and Accessories

Air Dryer Kit 301488

Air Compressor Oil Heater 301448 Field
For use in ambient temperatures less than 10°F (-10°C).

Diesel Fuel Heater / Cold Weather Kit
301538 Field

Auxiliary Power Remote Panel 301562 Field
Includes two 120 V receptacles w/circuit breakers and one 120/240 V, 50 A receptacle. **Cabling NOT included.**

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.

Full KVA Plug Kit 119172 Field
120/240 V, 50 A plug (NEMA 14-50P) to fit full KVA receptacle.

Battery Charge/Jump Cables with Plug
300422 Field 25 ft. (7.6 m)

Air Compressor Service Kit 275644 Field
Includes compressor oil filter, inlet air filter, oil/air separator and compressor oil.

Engine Filter Kits Field
284119 Gas
284101 Diesel

Protective Covers
301475 For gas models **without** running gear
301531 For diesel models **without** running gear
Heavy-duty covers protect the finish of welder.

2/0 Stick (SMAW) Weld Leads 173851
350 amps, 100 percent duty cycle. 50-foot (15.2 m) stinger and 50-foot (15.2 m) work cable.

Spoolmatic® 30A Spool Gun 130831
See literature M/1.73. Rated at 200 amps, 100 percent duty cycle with 30-foot (9 m) cable.

Spoolmate™ 200 Spool Gun 300497
See literature M/1.47. Rated at 160 amps, 60 percent duty cycle with 20-foot (6 m) cable .

Extension Hose and Cable Kit 132228
25 ft. (7.6 m). For Spoolmatic 30A and Spoolmate 200 spool guns.

ArcReach® SuitCase® 8 and 12 Wire Feeders
See literature M/6.55. Portable feeders designed to run off of arc voltage.

Spectrum® 375 X-TREME™ Plasma Cutter
907529
See literature PC/9.2. With protective X-CASE™.

Trailers and Hitches

Note: Trailer is shipped unassembled.

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.

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

Dual Hitch 301441
Combination 2 in. (50 mm) ball hitch and 3 in. (76 mm) lunette eye in one reversible assembly.

2-In-1 Document / Fire Extinguisher Holder 301236
Stores documents and holds a 5-pound fire extinguisher.
Note: Holder shown mounted on trailer. Fire extinguisher not included.

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Bobcat™ 200 Air Pak™ Gas	**907771**	Kohler gas engine		
Bobcat™ 200 Air Pak™ Diesel	**907760**	Kubota diesel engine		
Air Dryer Kit	**301488**			
Air Compressor Oil Heater	**301448**	Field		
Diesel Fuel Heater / Cold Weather Kit	**301538**	Field		
Auxiliary Power Remote Panel	**301562**	Field		
Full KVA Adapter Cord	**300517**	Field		
Full KVA Plug Kit	**119172**	Field		
Battery Charge / Jump Cables with Plug	**300422**	Field. 25 ft. (7.6 m)		
Air Compressor Service Kit	**275644**	Field		
Engine Filter Kits		Field. See above		
Accessories				
Protective Covers		See above		
2/0 Stick Weld Leads	**173851**	50 ft. (15.2 m), 350 amps, 100 percent duty cycle		
Spool Guns and Wire Feeders		See above		
Spectrum® 375 X-TREME™ Plasma Cutter	**907529**	See literature PC/9.2		
Trailer and Hitches	**301438**	See above		

Date: **Total Quoted Price:**

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