



DIESEL ENGINE-DRIVEN AIR COMPRESSOR / GENERATOR /
BATTERY CHARGER / CRANK ASSIST / WELDER



BOBCAT™ 200 AIR PAK™ DIESEL

P/N: MR907760001-1,
MR907760001-2 (C/W EXT. VRD)

Industry-leading reliability and performance.



3 YEAR
WARRANTY

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



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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.



INDUSTRIAL APPLICATIONS

Work/Service Trucks

Maintenance

Repair

Farm

Fabrication

Mechanical Contractors

PROCESSES

DC Stick (SMAW)

MIG (GMAW)

Flux-Cored (FCAW)

DC TIG (GTAW)

QUICK SPECS

Processes	Air Compressor	Generator Power	Battery Charge	Crank Assist	Output Range
DC Stick (SMAW) MIG (GMAW) Flux-Cored (FCAW) DC TIG (GTAW)	30cfm at 175psi, 100% Duty Cycle	8,000 watts peak 6,500 watts continuous	12/24V, 100A	12/24V, 300A	DC Stick: 30-210A MIG/Flux-Cored: 15-25V, 210A DC TIG: 30-210A



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MAXIMISE AVAILABLE PAYLOAD

The Bobcat 200 Air Pak can replace a variety of other machines, reducing a work truck's weight and increasing its available payload - so operators can bring everything they need to the jobsite.

REDUCE FUEL CONSUMPTION

Minimise fuel costs by reducing truck engine idle time by as much as 75% or if you have a separate engine-driven compressor by only operating one engine.

MINIMISE OPERATING COSTS

Potentially saves more over the 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.

AIR COMPRESSOR

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

GENERATOR 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 240 volt receptacles provide 60Hz 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 produces up to 100 amps of DC current 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™ TECHNOLOGY

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

TESTING

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

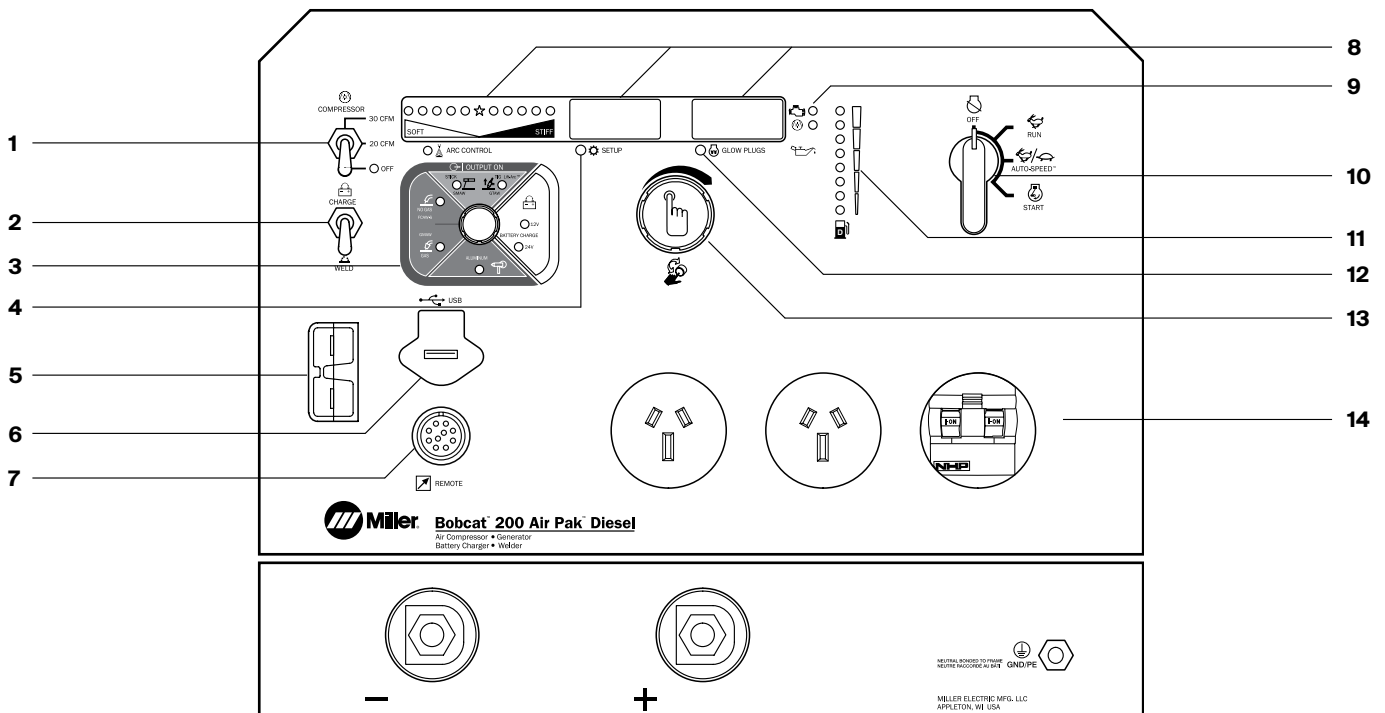


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FUNCTION AND BENEFIT GUIDE



1. **Air compressor switch** - When the air compressor switch is in 20cfm position, engine runs at 2,400rpm (idle). When in 30cfm position, engine runs at 3,600rpm.
2. **Battery charge/weld switch** - The charge position allows battery charge and crank assist, selectable between 12 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 recorded 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** - Used to start the engine, select speed, and stop engine. In Run position, engine runs at high speed (3,600rpm). 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. **Push button main control knob** - Used for adjusting amperage/voltage, adjusting arc control, and increasing the service menu.
14. **240 V receptables with main switch and RCD.**



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SPECIFICATIONS (Subject to change without notice)

Compressor Brand and Warranty	Features	Free Air Delivery at 3,600rpm	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	30cfm (0.85m ³ /min)	80-175psi	100%	1.89L	High pressure (200psi), high temperature

Process	Output Ranges	Rated Weld Output at 104°F (40°C)*	Single Phase Generator Power	Sound Levels at 7m (23ft.)	Dimensions	Net Weight**
Battery charge/ crank assist	12/24V	Charge: 100A Crank assist: 300A	Peak: 8,000W Continuous: 6,500W	Idle: 67dB (diesel) High Speed: 72dB (no load) 73dB (loaded)	H: 734mm H: 756mm (to top of exhaust) W: 508mm D: 1,200mm	292kg
DC Stick/TIG	30-210A	120A at 25V, 100% Duty Cycle 140A at 26V, 60% Duty Cycle 210A at 28V, 20% Duty Cycle				
MIG/FCAW	30-210A	120A at 20V, 100% Duty Cycle 140A at 21V, 60% Duty Cycle 210A at 25V, 20% Duty Cycle				

*Rated at sea level. **Net weight without fuel.

ENGINE SPECIFICATIONS (Engines warranted separately by the engine manufacturer)

Engine Brand and Warranty	Horsepower (hp)	Type	Power Speed	Idle Speed	Fuel Capacity	Oil Capacity	Standard Shutdowns
Kubota D722, 3-year warranty	19hp at 3,600rpm	Three-cylinder, industrial liquid cooled diesel with 60 amp alternator and electronic governor. Engine block heater standard.	3,600rpm	2,400rpm	26.5L	3.2L	Low oil pressure, high coolant temperature, low fuel level



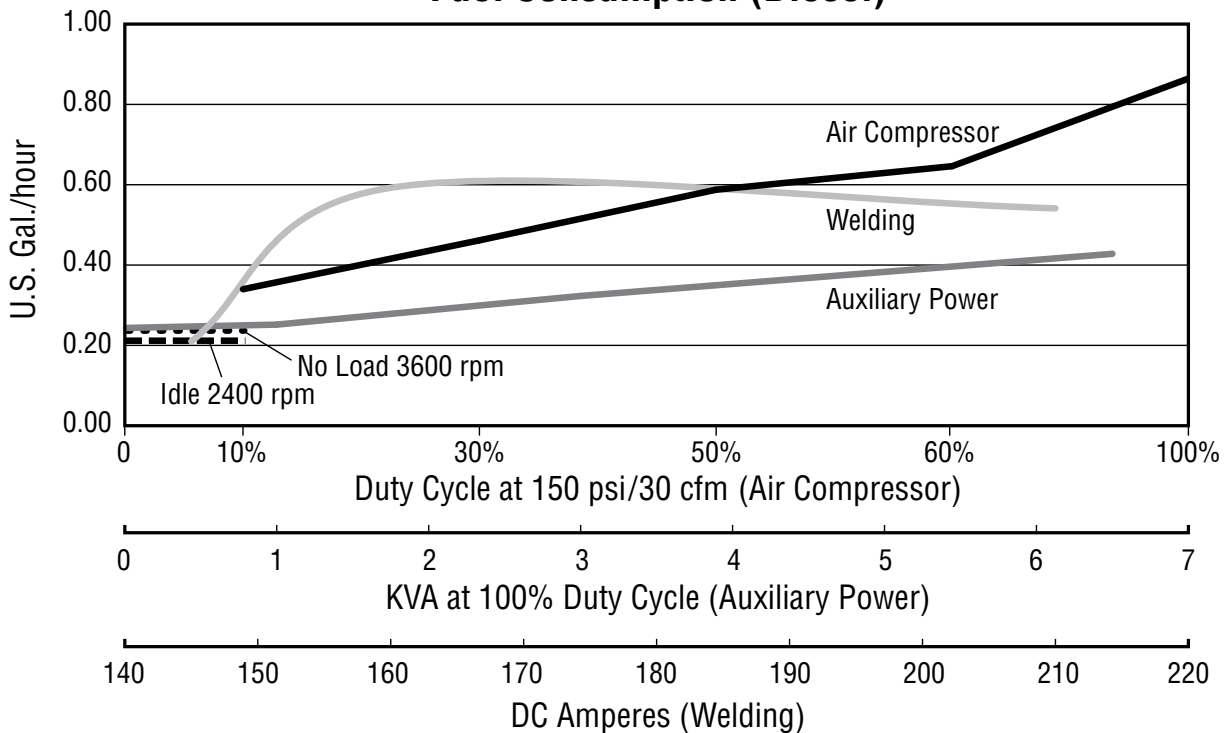
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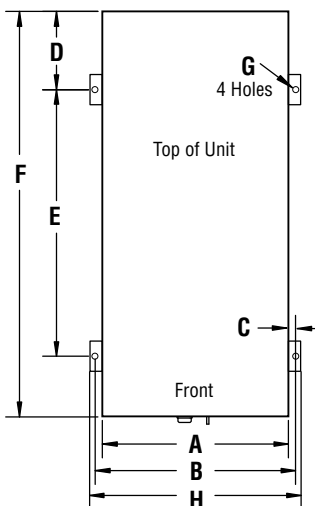
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PERFORMANCE DATA

Fuel Consumption (Diesel)

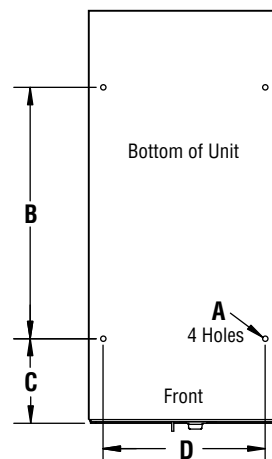


MOUNTING SPECIFICATIONS



External Mounting

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



Internal Mounting

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



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ORDERING INFORMATION

Equipment and Options	Part No.
Bobcat™ 200 Air Pak™	MR907760001-1
Bobcat™ 200 Air Pak™ (C/W EXT. VRD)	MR907760001-2

Accessories

ArcReach® SuitCase 12 Feeder	MR301456
10m lead kit to suit ArcReach® Suitcase 12 Feeder	AA74-0/10
Argon regulator and flow gauge	HA801AR
Bernard 300 Amp MIG gun with fixed medium 45 deg neck, 3m cable, 0.9 tip, Euro	BEQ3010AR8CEC
0.9/1.2mm "V" groove roll kit for solid wires	MR190300
0.9mm drive rollers for gasless wire	MR079606
1.2mm drive rollers for gasless wire	MR079607
Welding lead 50mm ² x 10m with electrode holder 400 A twist type and J type cable connector in-line 500 A	AA73-1/10