Big Blue Air Pak

Engine-Driven Welder/ AC Generator/Air Compressor



Quick Specs

Heavy Industrial Applications

Railroad Maintenance Mining Maintenance Maintenance and Repair Rigs

Processes

Stick (SMAW) MIG (GMAW) Flux Cored (FCAW) Submerged Arc (SAW) AC TIG (GTAW)* DC TIG (GTAW) Stud Welding — 1/2 in (12.7 mm) Air Plasma Cutting with Optional Spectrum Models Air Carbon Arc (CAC-A) 1/2 in (12.7 mm) Carbons Battery Charging/Jump-Starting*

Air Compressor Output Range

DC Stick 45–750 A MIG/FCAW 14–40 V DC TIG 20–450 A AC 20–575 A* Battery Charge 12/24 V, 50–750 A*

*Deluxe Model Only.

Weld Output Rated at 104°F (40°C)

Stick 600 A, 44 V, 26.4 kW, 40% Duty Cycle Stick 550 A, 42 V, 23.1 kW, 60% Duty Cycle MIG/FCAW 500 A, 40 V, 20 kW, 100% Duty Cycle AC TIG 400 A, 26 V, 10.4 kW, 100% Duty Cycle*

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

5,500 Watts Peak — 4,000 Watts Continuous 20,000 Watts 3-Phase/12,000 Watts 1-Phase Continuous*

Air Compressor 100 PSI, 60 CFM, 100% Duty Cycle

Weight Net: 1931 lb (876 kg) Ship: 1982 lb (899 kg)

The Power of Blue®

Welder/generator/air compressor.

One machine that will do it all. Designed and built to be the most reliable high-output system in the world.

Ingersol Rand。 ultra-reliable industrial rotary screw air compressor. Belt-driven with automatic belt tensioner with a life expectancy of 30,000 hrs.

Independent compressor controls.

On/off switch for applications not requiring compressed air. At **idle speed** will produce 100 PSI at 40 CFM.

Weatherproof Lexan® nameplate resists cracking and fading, and is

resists cracking and fading, and is color-coded for ease of operation.

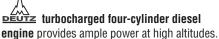
Enclosed robust case design protects internal components from impact and allows air flow to cool and prolong the life of the engine. Also reduces sound levels.

GFCI receptacle as required on most job sites to protect operators from electrical hazards.





Welder/Generator/Air Compressor is warranted by Miller for 3 years, parts and labor. Engine is warranted by Deutz for 3 years.



Low maintenance with easy single-side access to engine and 500 hour oil changes for both engine and compressor.

Quiet at only 70 dB (95 Lwa) when idle, 79 dB (104 Lwa) at maximum output. Improves work site communications.

Hot Start™ provides positive stick electrode starts to make it easy to start all types of electrodes.

Arc-Drive makes welding easy. Automatically enhances Stick welding, especially on pipe, by focusing the arc and preventing the electrode from going out.

Optional AC/DC/battery charge/ jump-start for AC TIG welding and 12 or 24 volt batteries. Simply select the battery voltage and connect cables to the separate battery output studs.

(High-frequency unit required for AC TIG.)





Miller Electric Mfg. Co.

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Web Site

www.MillerWelds.com



Specifications (Subject to change without notice.)





Welding Mode	Weld Output Range	Weld Output Rated at 104° F (40° C) NEMA Amperage and Voltage	Max. Open- Circuit Voltage	Generator Output Rated at 104° F (40° C)	Dimensions**	Weight Without Fuel***
CC/DC	20-750 A	600 A, 44 V, 26.4 kW, 40% Duty Cycle 550 A, 42 V, 23.1 kW, 60% Duty Cycle 500 A, 40 V, 20 kW, 100% Duty Cycle	95	Peak: 5500 watts Continuous: 4000 watts, 120/240 VAC, 34/17 A, 60 Hz	H: 43 in (1092 mm) W: 28-1/2 in	Net: 1931 lb (876 kg) Ship: 1982 lb
CV/DC	14-40 V	500 A, 40 V, 20 kW, 100% Duty Cycle	56	while welding	(724 mm)	(899 kg)
CC/AC*	20-575 A	400 A, 36 V, 14.4 kW 100% Duty Cycle	64	Optional kW 3-phase, 20 kW, 36 A, 240 VAC	D: 67-1/2 in (1715 mm)	Deluxe Model
Battery* Charge Jump-Start	12/24 V	750 A, 12 V, Jump-Start 750 A, 24 V, Jump-Start	14/28	1-phase, 12 kW, 50 A, 120/240 VAC while not welding	(:::2::)	Net: 1956 lb (887 kg) Ship: 2007 lb (910 kg)

Meets NEMA and IEC output ratings. *Only available on deluxe model. **Additional 7 in (178 mm) to top of exhaust. ***Additional 190 lb (86 kg) when fuel tank is full.



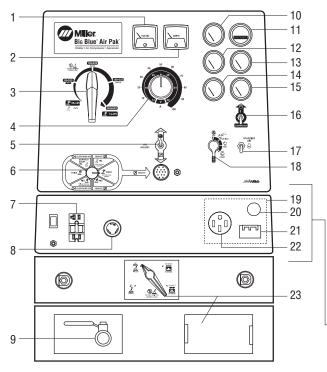
Engine

Engine Brand	Features	НР	Туре	Engine Speeds	Fuel Capacity	Oil Capacity	Automatic Engine Shutdowns
DEUTZ Deutz, BF4M 2011 Diesel	EPA certified, turbocharged direct-injected, liquid-cooled (oil) engine. Right side service access with 500 hr intervals for oil and filters. MSHA approved with purchase of certificate from Deutz dealer.	64	Four-cylinder, industrial, liquid- cooled engine	1850 Run 1235 Idle	25 gal (95 L)	11 qt (10.4 L)	Oil pressure Oil temperature

Air Compressor

Compressor Brand	Features	Free Air Delivery at 1850 RPM	Free Air Delivery at 1235 RPM	Working Pressure Constant	Duty Cycle	Oil Capacity	Automatic Compressor Shutdowns
Ingersol Rand。 Ingersoll-Rand CE55 G1	Rotary screw with electric clutch for on/off. Oil change intervals 500 hrs (same as engine). Life expectancy 30,000 hrs.	60 cfm (1.70 m³/min)	40 cfm (1.13 m³/min) Idle	100 psig 7 bar	100%	5 qt (4.7 L)	Oil temperature

Control Panel

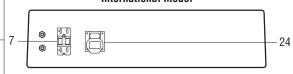


- 1. AC/DC Voltmeter*
- 2. AC/DC Ammeter*
- 3. Amperage Range Switch
- 4. Amperage/Voltage Adjust Control
- 5. Amperage/Voltage Adjust Switch and Remote Amperage/Voltage Adjust 14-Pin Receptacle
- 6. Process/Contactor Selector Switch
- 7. 120 VAC, 20 A GFCI **Duplex Receptacle**
- 8. 240 VAC, 30 A TwistLock Receptacle (NEMA L6-30)
- 9. Air Outlet Valve 3/4 in NPT
- 10. Engine Oil Pressure Gauge
- 11. Engine Hour Meter

- 12. Engine Coolant Temperature Gauge
- 13. Fuel Gauge
- **14.** Battery Voltmeter
- 15. Air Compressor Pressure Gauge
- 16. Air Compressor On/Off Switch
- 17. Starting Aid Switch*
- 18. Engine Control Switch
- 19. 20 kW, 3-Phase Generator*
- 20. Strain Relief*
- 21. 50 A, 3-Phase Circuit Breaker*
- 22. 50 A. 1-Phase 120/240 V Receptacle (NEMA 14-50)*
- 23. AC/DC/Battery Charge/ Jump-Start Switch*
- 24. International Model 240 VAC, 16 A Pin and Sleeve Receptacle

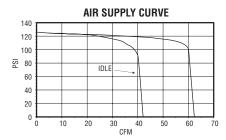
*On Select Models

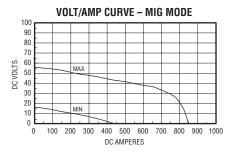
International Model

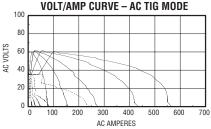




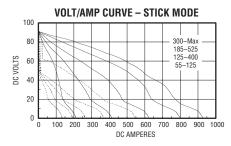
Performance Data

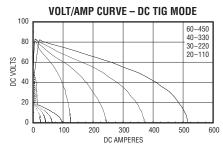


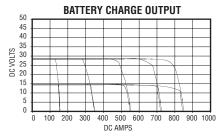




280 12 240 12 20 WW 20 10 20 30 40 50 60 7 AC AMPERES









The Vault
The ultimate in
control board
reliability. Designed
and built to operate
in the harshest

conditions with a 99.7% reliability rating. This rugged solid-state control has sealed connections made through watertight plugs that make this component impenetrable to dust, moisture and corrosion.



IR Screw Compressor Belt-driven compressor with an electric clutch allowing the compressor to

be turned off if not needed. An automatic belt tensioner provides proper belt tension even after years of service. The compressor is protected by a high-temperature shutdown switch.



Toolless Generator Brushes 100% copperwound generator features quick

and easy brush and slip ring inspection. Brushes can be removed and/or replaced in a matter of seconds.

Genuine Miller Accessories

AC/DC/Battery Charge/Jump-Start Switch #195 148 Field

AC TIG welding and 12/24 V battery charge/jump-starting system.

Lockable Fuel Cap Flame Arrestor Kit #043 947 Field

Fuel cap can be padlocked to prevent vandalism. A built in flame arrestor prevents flames or sparks from entering the fuel tank.

Cold Weather Starting Aids*

#043 959 Field 12 V intake manifold heater. **#195 086** Field 120 V oil pan heater element. *Note: for extreme cold weather both starting aids can be used in conjunction.

Weld Ammeter and Voltmeter #195 131 Field

Panel-mounted AC/DC analog meters to monitor weld output.





Desiccant Air Dryer System #195 117

A regenerating inline air dryer system that eliminates moisture in the air stream to prevent air tool freeze-ups in cold climates. Internal thermostat and heating elements insure good air quality in all climates. The system can be mounted on the side of the machine or remotely for truck mount installations.



Vandalism
Lockout Kit
#195 118 Field
Lockable hinged
steel panels cover
and protect name
plate gauges and
ignition switch
(padlock included).
Also includes engine
compartment door
lock and key.



Battery Lockout/Tagout
Disconnect Switch
#195 120 Field
Lockable battery
disconnect switch for safe
routine maintenance.



Ordering Information

Equipment and Factory Options		Stock No.	Description	Qty.	Price
Big Blue® Air Pak™ CC/CV Base Model International Model Cold Weather Model		#907 062 #907 062-01-1 #907 062-04-1	Automatic Idle, Engine Gauges, 5.5 kW AC Generator 50/60 Hz, Dry Battery, Automatic Idle, Engine Gauges, 5.5 kW AC Generator Automatic Idle, Engine Gauges, 5.5 kW AC Generator, Weld Meters, Battery Lockout/Tagout Disconnect Switch, 12 V Intake Manifold Heater, 120 V Oil Pan Heater		
	Deluxe Model	#907 062-07-1	Automatic Idle, Engine Gauges, 5.5 kW AC Generator, Weld Meters, Battery Lockout/Tagout Disconnect Switch, 12 V Intake Manifold Heater, 120 V Oil Pan Heater, Vandalism Lockout Kit, 20 kW Generator, AC/DC/Battery Charge/Jump-Start Switch		
Field Kit Accessories					
Weld Ammeter and Voltme	eter Kit	#195 131	AC/DC analog weld output meters		
Lockable Fuel Cap Flame A	rrestor	#043 947	Padlock not included		
Cold Weather Starting Aids	3	#043 959 #195 086	12 volt intake manifold heater 120 volt oil pan heater		
Desiccant Air Dryer System	n	#195 117	Removes moisture from air supply		
Vandalism Lockout Kit		#195 118	Lockable front control panel and engine compartment		
Battery Lockout/Tagout Dis	sconnect Switch	#195 120	Allows machine battery to be disconnected and locked		
AC/DC/Battery Charge/Jum	p-Start Switch	#195 148	Field		
Cable Holder		#043 946	Stores up to 200 ft of 2/0 weld cable		
Protective Cover		#195 160	Will not fit over machine with cable holder attached		
Remote Controls					
RHC-14		#129 340	Hand control		
RFCS-14		#043 554	Foot control		
RMLS-14		#129 337	Momentary and maintained contact switch		
RCC-14		#151 086	Fingertip control		
Extension Cords		#043 725 #043 726 #043 727	25 ft, 14-pin remote controls/24 VAC wire feeders 50 ft, 14-pin remote controls/24 VAC wire feeders 75 ft, 14-pin remote controls/24 VAC wire feeders		
Stick Accessories					
Welding Leads		#173 851 #043 952	2/0, 350 A, 100% Duty Cycle, 50 ft stinger, 50 ft work clamp 2/0, 300 A, 100% Duty Cycle, 100 ft stinger, 50 ft work clamp		
Wire Feeders					
Suitcase 12VS Wire Feeder	r	#194 941	Includes contactor and gas valve. See Lit. Index No. M/6.4		
Suitcase 8VS Wire Feeder	!	#194 890	Includes contactor and gas valve. See Lit. Index No. M/6.4		
S-32SL Wire Feeder		#109 294	See Lit. Index No. M/6.21		
Guns and Consumables		#103 234	See Lit. Index No. M/10.0 and M/13.4		
TIG Accessories HF-251D-1		#042 388	High frequency unit for AC TIG welding		-
Water Coolant System		#042 000	See Lit. Index No. AY/7.2		
TIG Torch, Consumables			OUT ETA THOUNTED THEFT.		1
Trailers and Hitches					
OFR-224 Trailer		#043 802	Off-road trailer with 2650 lb (1202 kg) capacity includes jack stand, afety chains and 2 in (50 mm) ball hitch		
HWY-224 Trailer		#043 805	lighway trailer with 2650 lb (1202 kg) capacity includes jack stand, afety chains, 2 in (50 mm) ball hitch, fender and lights		
HWY-430 Tandem Axle Trailer		#043 806	Highway trailer with 3750 lb (1701 kg) capacity. Hitch must be ordered separately.		
4-West Trailer		#042 801	Off-road steerable trailer with 2570 (1166 kg) capacity		1
Lunette Eye		#043 824 #043 863	2-1/2 in (64 mm). For 224 trailers only 3 in (76 mm). For 430 trailer only		
Ball Hitch		#043 864	2 in (51 mm). For 430 trailer only		
Clevis		#043 823	For 430 trailer only		
Cable Tree		#043 826	Works on 224 and 430 trailers		

Date: Total Quoted Price:



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