

AGW Series

Two Stage – Gasoline – 20-Gallon, 30-Gallon or Base-Mount

Compressor Pump:

Splash lubricated ■ Stainless-steel braided discharge hose ■ Large canister intake filter ■ Oil level sight indicator

Generator:

Brush-type 2 pole 120V/240V alternator ■ Total harmonic distortion (THD) less than 6% ■ 100% copper windings

Welder:

Amperage selection switch, 170A or 220A maximum

Frame:

Powder coated ASME coded receiver tanks (Not available on AGW-SM14-B) ■ 16-gauge powder coated belt guard (14-gauge on AGW-SH22-20M)

Components:

Regulator and two gauges for tank and outlet pressure ■ Manual drain valves for proper maintenance ■ 16½-inch fly wheel

Limited Warranties:

1 year Mi-T-M engine ■ 2 year alternator ■ 2 year pump exchange (see page 77 for more information) ■ 3 year Honda engine

Certification:

ASME Boiler and Pressure Vessel Code - UM (20 and 30-gallon models)

Maximum performance in a single machine, the air compressor, generator, welder combination can tackle any job in the shop or in the field. It is the ideal piece of equipment for heavy duty mechanics and industrial equipment repairs in construction, mining, logging and oil and gas industries.



AGW-SH22-20M

AGW Series Operation

Generator Mode

- AC current only
- Selector switch set to idle down
- Switch is set to full throttle

Welder Mode

- DC current only
- Engine must be running full throttle
- Selector switch must be set to full throttle

AGW Series

Two Stage – Gasoline – 20-Gallon, 30-Gallon or Base-Mount



AGW-SM14-30M

MODEL NO.	AGW-SH22-20M	AGW-SM14-30M	AGW-SM14-B
ENGINE			
DISPLACEMENT/ENGINE	688cc Honda GX690 OHV with electric start - battery cables included; battery not included	420cc Mi-T-M OHV with electric start - battery and battery cables not included	420cc Mi-T-M OHV with electric start - battery and battery cables not included
RATED SPEED	3600 RPM	3600 RPM	3600 RPM
COMPRESSOR			
CFM @ 90 PSI	30.5	16.4	16.4
CFM @ 175 PSI*	29.0	15.7	15.7
COMPRESSOR	Two stage, cast iron	Two stage, cast iron	Two stage, cast iron
TANK SIZE	20-gallon receiver tank	30-gallon receiver tank	Not applicable – base-mount model
GENERATOR			
MAX. AC OUTPUT	5000 watts	5000 watts	5000 watts
RATED AC OUTPUT	4500 watts	4500 watts	4500 watts
ALTERNATOR WATTAGE			
CONT. ON-LOAD @ 90 PSI	4500 watts	3000 watts	3000 watts
CONT. ON-LOAD @ 175 PSI	4500 watts	2500 watts	2500 watts
FREQUENCY/VOLTAGE	60Hz/120V/240V	60Hz/120V/240V	60Hz/120V/240V
MAX. AMPS (120V/240V)	41.5/20.8	41.5/20.8 off-load	41.5/20.8 off-load
CONT. AMPS (120V/240V)	37.5/18.8	37.5/18.8 off-load	37.5/18.8 off-load
RECEPTACLES	(2) 120V, 20A GFCI duplex (1) 120V/240V, 20A twist lock	(2) 120V, 20A GFCI duplex (1) 120V/240V, 20A twist lock	(2) 120V, 20A GFCI duplex (1) 120V/240V, 20A twist lock
WELDER			
DUTY CYCLE (10 MIN. RUN TIME)	220A @ 40%, 190A @ 60%, 150A @ 100%	150A @ 100%	150A @ 100%
DC VOLTAGE	50-220A working range	50-170A working range	50-170A working range
MISCELLANEOUS			
FUEL TANK	10-gallon	1.85-gallon	1.85-gallon
DIMENSIONS (LxWxH)	47x24x50in.	46x22x47in.	49x22x28.5in.
SHIP WT.	870 lb.	650 lb.	449 lb.
NET WT.	803 lb.	585 lb.	384 lb.

*Equipped with 150-PSI maximum rated regulator.

Accessories & Options:

PART NUMBER	DESCRIPTION	FITS MODELS
70-0358	Engine oil drain extension	Mi-T-M engine models
AW-6000-1002	Equipment cover	Mi-T-M engine models
AW-6000-1003	Equipment cover	AGW-SH22-20M
AX-0070	Battery tray, box and 2-ft. of cables	Mi-T-M engine models
IX-0001	Vibration isolator pads - Isolators protect the unit from vibration during use. Recommended for models that are mounted in service truck applications	AGW-SH22-20M & AGW-SM14-30M



GFCI 5-20R



NEMA L14-20R
120V/240V

Uses & Benefits

Uses for an Air Compressor/Generator/Welder Combination Unit



Air Compressor

- Impact wrenches, grinders, drills and nailers
- Shops
- Tires
- Sand blasters
- Paint sprayers
- Air/hydraulic pumps
- Air tools
- Air jacks
- Grease pumps



Generator

- Jobsites
- Power tools
- Offices
- Farms
- Industrial plants
- Homes
- Battery chargers
- Fans
- Electric/hydraulic pumps
- Saws, drills and grinders
- Mobile lights



Welder

- This stick welder will work for construction or field repairs with the following materials:
- Carbon steel
 - Stainless-steel
 - Low and high alloy steel
 - Ductile iron
 - Cast iron

Benefits of an Air Compressor/Generator/Welder Combination Unit

- Compressor/generator/welder combinations offer convenience - you can operate air tools and at the same time power lights or weld in your work area
- Save money by purchasing one combination unit instead of an air compressor, generator and welder separately
- Offers a relatively small footprint compared to owning three pieces of equipment
- Only one unit to maintain, therefore saving time and money on troubleshooting and parts
- Used in remote locations where air, power and welding are required but not available
- Travels well - the stationary models can be mounted on the back of a service truck or work trailer
- The 20-amp outlets can run a small wire-feed welder typically used on farms
- Commonly used in the following industries/applications:
 - Agricultural
 - Construction
 - Auto service industry/roadside assistance
 - Virtually any service truck that repairs equipment in the field, on a farm or construction site



AGW-SM14-B

