



GAW180HEANC2

MULTIQUIP® Welder – Portable Pipe Frame

DC RATED OUTPUT

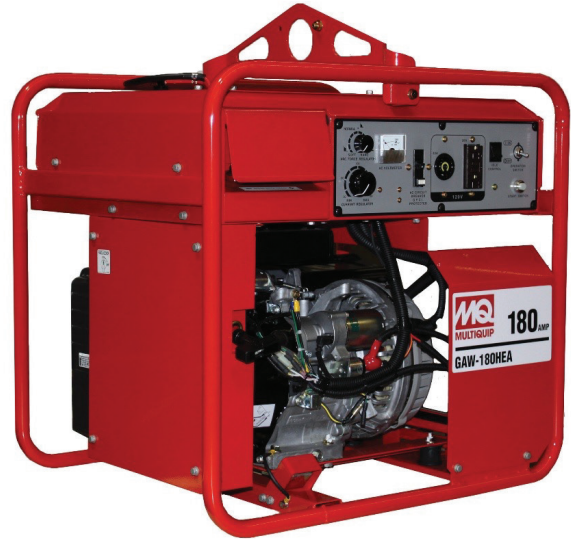
180 AMPS

AC RATED OUTPUT

3.0 kW (3.0 kVA)

GASOLINE ENGINE

Honda GX340



APPLICATIONS

Agriculture/Farming, Construction, Fabrication, Industrial Sites, Maintenance and Repairs, Military, Service Trucks, Water Departments.

STANDARD FEATURES

- **Reliable Honda GX340** gasoline engine with low oil shutdown sensor.
- **Automatic idle control** reduces engine speed during periods of no load and improves fuel economy.
- **Silent type muffler** with USFS approved spark arrestor, dB 76 @ 23 ft.
- **Permanent magnet alternator** design significantly reduces overall weight compared to other welders in its class.
- **180 Amp DC Welder and 3.0kW 120VAC output** – operator can simultaneously use both features.
- **Robust control panel** with clearly labeled switches and circuit protection.
- **OSHA and NEC compliant** with full GFCI protection.
- **Ideal for a wide variety of utility welding applications.** SMAW – Shielded Metal Arc Welding, FCAW – Flux Core Arc Welding GMAW – Gas Metal Arc Welding.
- **Arc Force Control** allows the operator to fine tune DC current during low voltage welding conditions and helps prevent electrodes from sticking during short arc length welding.
- **Heavy duty 1-inch tubular steel pipe frame** provides rugged protection for engine and alternator in demanding jobsite conditions.
- **Carbon monoxide sensor** eliminates CO poisoning by automatically shutting down when harmful gases are detected.
- **Large 3.7 gallon fuel tank** provides extended runtime for continuous operation.

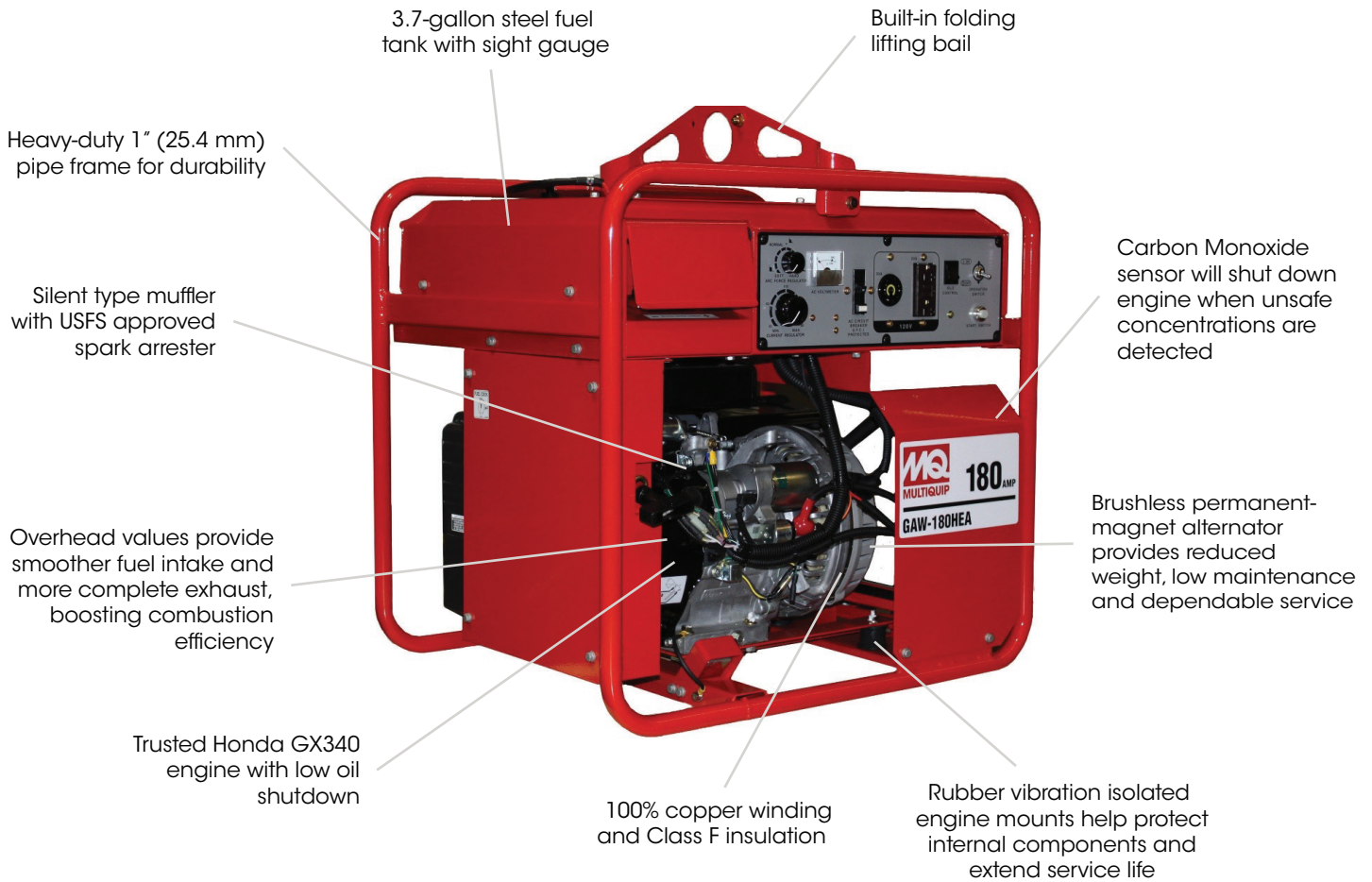
WARRANTY*

GAW180HEANC2: 24 months from date of purchase.

Honda GX340 Engine: 36 months from date of purchase.

*Refer to the MULTIQUIP NEW PRODUCT LIMITED WARRANTY FOR FULL TERMS AND CONDITIONS.

FEATURES



Arc force allows fine DC tuning for low voltage welding conditions to prevent electrodes from sticking during short arc length welding

Voltmeter serves as diagnostic tool on jobsite

Breaker provides GFCI protection for 60 Hz receptacles

Idle control switch to reduce fuel consumption



Heavy duty positive (+) and negative (-) welding lugs provide a secure, low resistance connection for all welding leads, ensuring stable arc performance under full load

Current Selector Knob — allows operator to set desired welding output — selectable amperage settings ranging from 30A to 180A

20 Amp / 120V / 60 Hz receptacle 5-20R

30 Amp / 120V / 60 Hz receptacle L5-30R

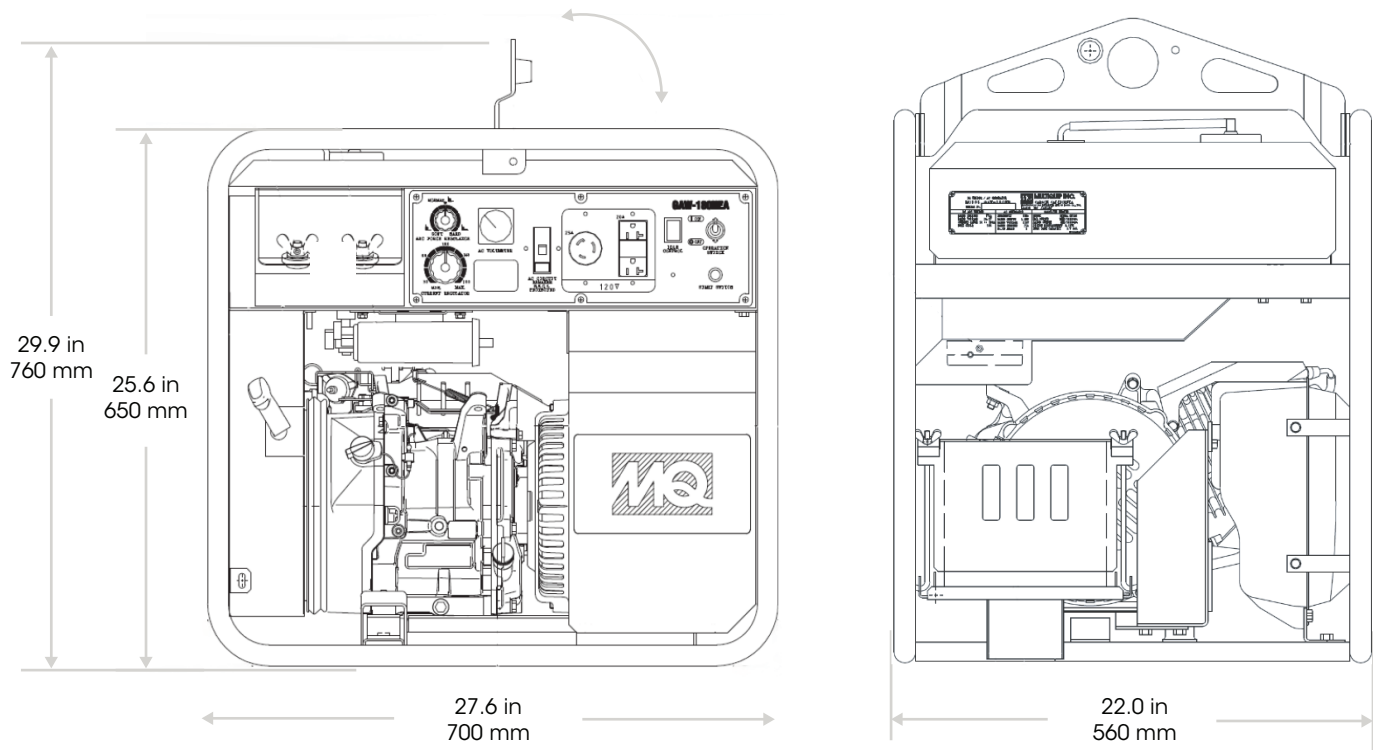
Starter switch

ON/OFF switch



GAW180HEANC2

GENERATOR DIMENSIONS



CABLE OPTIONS

CABLE SELECTION (60 HZ, SINGLE-PHASE OPERATION)

AMPS	LOAD IN WATTS	MAXIMUM ALLOWABLE CABLE LENGTH			
	120 VOLTS	25 FT	50 FT	100 FT	150 FT
2.5	300	16 AWG	16 AWG	14 AWG	12 AWG
5	600	16 AWG	14 AWG	12 AWG	10 AWG
7.5	900	14 AWG	14 AWG	12 AWG	10 AWG
10	1200	14 AWG	12 AWG	12 AWG	10 AWG
15	1800	14 AWG	12 AWG	12 AWG	10 AWG
20	2400	12 AWG	12 AWG	10 AWG	10 AWG
25	3000	10 AWG	10 AWG	10 AWG	8 AWG

CAUTION: Equipment damage can result from low voltage.

Long or undersized extension cords can reduce the voltage available to your equipment, causing power loss and inefficient operation. When using such cords, select a cord rated for a slightly higher wattage than your device requires. Refer to the table above for recommended cord gauges and lengths based on the power demand of your electrical equipment.

WELDING CURRENT	MAXIMUM COPPER CABLE LENGTH					
	50 FT (15m)	100 FT (30m)	150 FT (46m)	200 FT (61m)	250 FT (76m)	300 FT (91m)
50A	#5	#5	#5	#5	#5	#4
100A	#5	#5	#4	#3	#2	#1
150A	#5	#4	#2	#1	#1/0	#2/0
180A	#5	#3	#1	#1/0	#2/0	#3/0



GAW180HEANC2

SPECIFICATIONS

WELDER SPECIFICATIONS

MODEL	GAW180HEANC2
TYPE	PERMANENT MAGNET, REVOLING FEILD
EXCITATION	SOLID STATE STATICALLY EXCITED
INSULATION	CLASS F
COOLING SYSTEM	SELF-VENTILATION
AMBIENT TEMPERATURE RATING	23° F ~ 104° F (-5° C ~ 40° C)

WELDING OUTPUT (DC)

RATED OUTPUT (KW)	4.56
MAXIMUM CURRENT (A)	180
RATED CURRENT (A)	170
RATED VOLTAGE (V)	26.8
CURRENT RANGES (A)	120 130 150 160 170 180
E6010	1/8" 1/8" 1/8" 1/8" 5/32" 5/32"
E7018	3/32" 3/32" 1/8" 1/8" 1/8" 5/32"
DUTY CYCLE (%)	100 85 60 55 50 40

GENERATOR OUTPUT (AC)

MAXIMUM OUTPUT	3.0 KW
VOLTAGE	120
MAXIMUM CURRENT	25.0A
FREQUENCY	60 HZ
PHASE	SINGLE PHASE (2-WIRES)
POWER FACTOR	1.0
VOLTAGE REGULATION	± 3%
MAIN LINE CIRCUIT BREAKER	25.0A (1 POLE)
RECEPTACLE	(1) 5-20R DUPLEX, (1) L5-30R

ENGINE SPECIFICATIONS

MAKE/MODEL	HONDA / GX340
EMISSIONS	EPA CERTIFIED
STARTING SYSTEM	ELECTRIC START AND RECOIL
DESIGN	AIR COOLED, 4 STROKE, SINGLE CYLINDER OHV, HORIZONTAL SHAFT
HORSE POWER	10.7
ENGINE SPEED	3,600 RPM
SOUND LEVEL DB(A) @ 23 FT	76
GOVERNOR SYSTEM	CENTRIFUGAL MASS TYPE
OIL CAPACITY	1.16 QUARTS (1.1 LITER)
OIL TYPE	SAE 10W-30
LUBRICATION SYSTEM	SPLASH
LOW OIL SHUTDOWN	STANDARD
COOLING SYSTEM	AIR COOLING
BORE X STROKE	3.46 x 2.52 IN (88 MM x 64 MM)
CARBON MONOXIDE SENSOR	STANDARD
BATTERY	OPTIONAL (PART # 0162212024)
BATTERY TYPE	12V, 260CCA, 7.5" x 5" x 7.25"

FUEL SYSTEM

RECOMMENDED FUEL	UNLEADED GASOLINE
FUEL TANK CAPACITY	3.7 GALLONS (14.0 LITERS)
RUN TIME (FULL LOAD)	5.3 HOURS
FUEL COMSUMPTION AT FULL LOAD	0.7 GPH, 2.7 LPH

WEIGHT AND DIMENSION

DRY WEIGHT	235.4 LBS (107.0 KG)
WET WEIGHT	260.8 LBS (118.3 KG)
DIMENSIONS	27.6 x 22.0 x 25.6 IN. (700 x 560 x 650 MM)

OPTIONS

MAINTENANCE KIT

- **FKITGAW180H** — Filter kit includes (1) air cleaner element, (1) fuel strainer and (1) spark plug.
- **UWKB** — Wheel Kit with folding handles and flat free tires for easy transport
- **Electrode Holders with Cable**
 - **10E50** — 1/0 Cable, 50 Feet, 300A Rating
 - **10E100** — 1/0 Cable, 100 Feet, 300A Rating
 - **10E150** — 1/0 Cable, 150 Feet, 300A Rating
 - **2E25** — 2/0 Cable, 25 Feet, 400A Rating
 - **2E50** — 2/0 Cable, 50 Feet, 400A Rating
- **Ground Clamp with Cable**
 - **10G50** — 1/0 Cable 50 Feet, 300A Rating
 - **10G100** — 1/0 Cable 100 Feet, 300A Rating
 - **10G150** — 1/0 Cable 150 Feet, 300A Rating
 - **2G25** — 2/0 Cable, 25 Feet, 400A Rating
 - **2G50** — 2/0 Cable, 50 Feet, 400A Rating

GENERATOR FORMULAS (1Ø)

AMPS, VOLTS, AND WATTS

- Amps x Volts = Watts
- Amps ÷ Watts = Volts
- Volts ÷ Watts = Amps

STARTING AMPS vs RUNNING AMPS

- **Starting amps** (or surge amps) are the high, temporary surge of electricity (3-10 times normal) required to start a motor, lasting a few seconds
- **Running amps** are the lower, steady amount of electricity required to keep equipment operating continuously

HORSE POWER vs WATTS

- 1 Horsepower = 746 Watts
- **EXAMPLE:** 3 Horsepower x 746 = 2,238 Watts

NOTICE

Features and Specifications are subject to change without notice.