



# GAW135HNC2

**MULTIQUIP® Welder – Portable Pipe Frame**

## DC RATED OUTPUT

**135 AMPS**

## AC RATED OUTPUT

**1.5 kW (1.5 kVA)**

## GASOLINE ENGINE

**Honda GX200**



## APPLICATIONS

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

## STANDARD FEATURES

- **Reliable Honda GX200** 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 75 @ 23 ft.
- **Permanent magnet alternator** design significantly reduces overall weight compared to other welders in its class.
- **135 Amp DC Welder and 1.5kW 120VAC output** is ideal for hard-to-reach areas such as rooftops or air conditioner repair.
- **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.
- **Lightweight and highly portable** - Up to 45% lighter than comparable welders, weighing just 114 lbs, fits easily in service truck boxes or high reach equipment baskets for effortless job site mobility.
- **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 1.85 gallon fuel tank** provides extended runtime for continuous operation.

## WARRANTY\*

GAW135HNC2: 24 months from date of purchase.

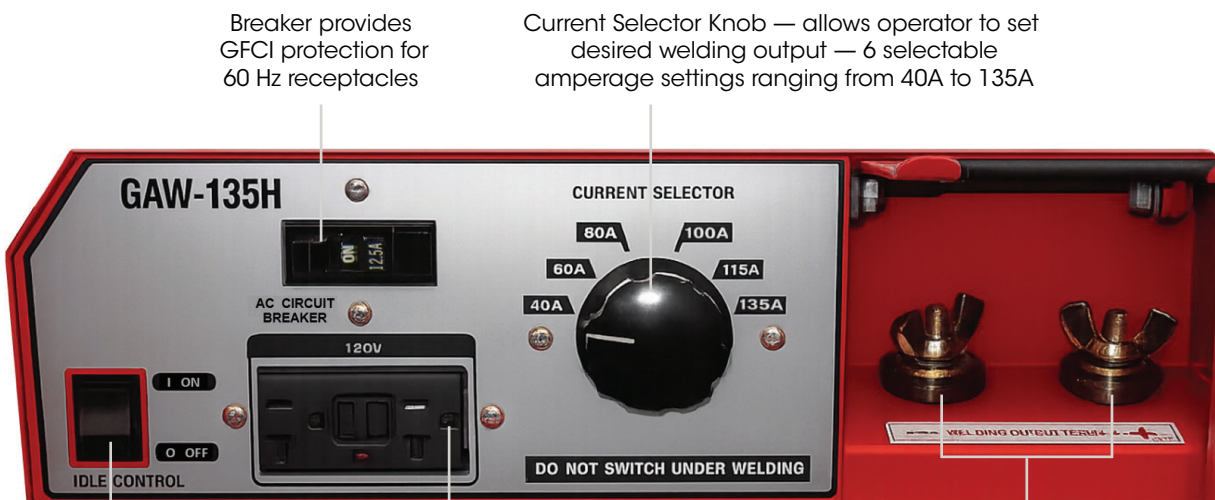
Honda GX200 Engine: 36 months from date of purchase.

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



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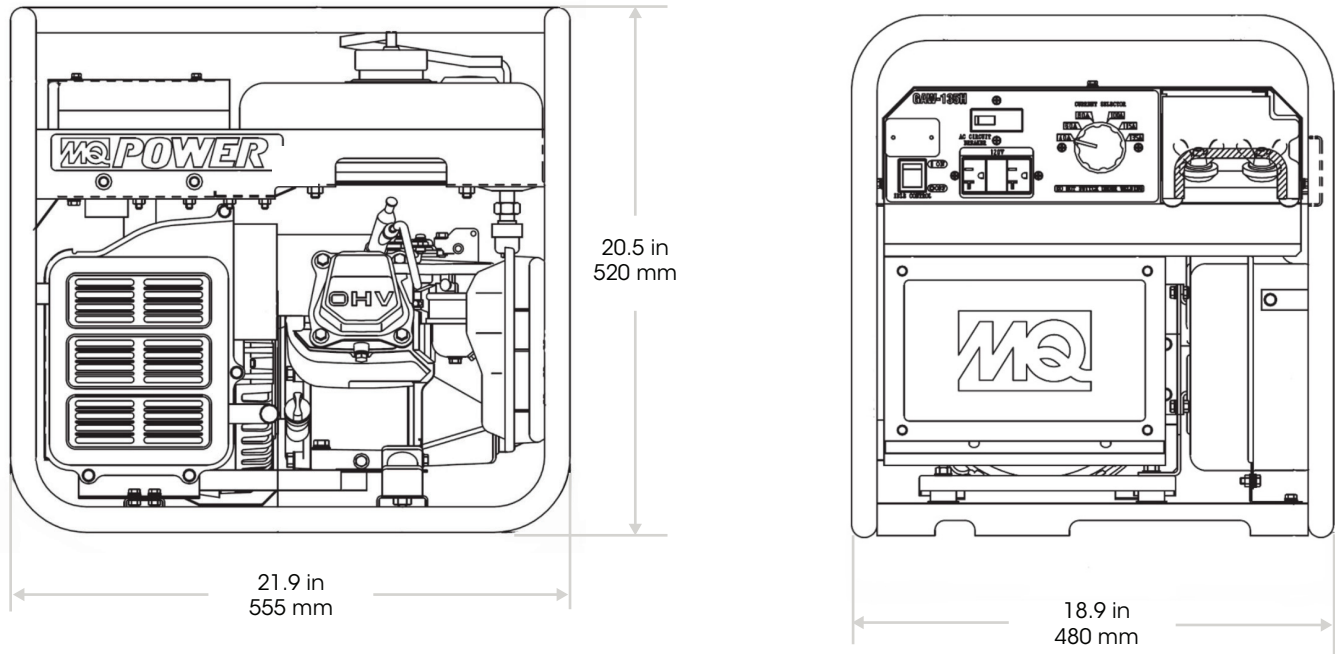
## FEATURES





# GAW135HNC2

## 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 |

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         |



# GAW135HNC2

## SPECIFICATIONS

### WELDER SPECIFICATIONS

|                            |                                   |
|----------------------------|-----------------------------------|
| MODEL                      | GAW135HNC2                        |
| TYPE                       | PERMANENT MAGNET, REVOLVING FIELD |
| 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)   | 3.28                             |
| MAXIMUM CURRENT (A) | 135                              |
| RATED CURRENT (A)   | 130                              |
| RATED VOLTAGE (V)   | 25.2                             |
| CURRENT RANGES (A)  | 40 60 80 100 130 135             |
| E6010               | 3/32" 3/32" 1/8" 1/8" 1/8" 5/32" |
| E7018               | — — 3/32" 1/8" 1/8" 5/32"        |
| DUTY CYCLE (%)      | 40                               |

### GENERATOR OUTPUT (AC)

|                           |                        |
|---------------------------|------------------------|
| MAXIMUM OUTPUT            | 1.5 KW                 |
| VOLTAGE                   | 120                    |
| MAXIMUM CURRENT           | 12.5A                  |
| FREQUENCY                 | 60 HZ                  |
| PHASE                     | SINGLE PHASE (2-WIRES) |
| POWER FACTOR              | 1.0                    |
| VOLTAGE REGULATION        | ± 5%                   |
| MAIN LINE CIRCUIT BREAKER | 12.5A (1 POLE)         |
| RECEPTACLE                | (1) 5-20R DUPLEX       |

### ENGINE SPECIFICATIONS

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| MAKE/MODEL                | HONDA / GX200                                               |
| EMISSIONS                 | EPA CERTIFIED                                               |
| STARTING SYSTEM           | RECOIL                                                      |
| DESIGN                    | AIR COOLED, 4 STROKE, SINGLE CYLINDER OHV, HORIZONTAL SHAFT |
| HORSE POWER               | 6.5                                                         |
| ENGINE SPEED              | 3,600 RPM                                                   |
| SOUND LEVEL DB(A) @ 23 FT | 75                                                          |
| GOVERNOR SYSTEM           | CENTRIFUGAL MASS TYPE                                       |
| OIL CAPACITY              | 0.63 QUARTS (0.6 LITER)                                     |
| OIL TYPE                  | SAE 10W-30                                                  |
| LUBRICATION SYSTEM        | SPLASH                                                      |
| LOW OIL SHUTDOWN          | STANDARD                                                    |
| COOLING SYSTEM            | AIR COOLING                                                 |
| BORE X STROKE             | 2.68 X 2.13 IN (68 MM X 54 MM)                              |
| CARBON MONOXIDE SENSOR    | STANDARD                                                    |

### FUEL SYSTEM

|                               |                           |
|-------------------------------|---------------------------|
| RECOMMENDED FUEL              | UNLEADED GASOLINE         |
| FUEL TANK CAPACITY            | 1.85 GALLONS (7.0 LITERS) |
| RUN TIME (FULL LOAD)          | 3.9 HOURS                 |
| FUEL CONSUMPTION AT FULL LOAD | 0.48 GPH, 1.8 LPH         |

### WEIGHT AND DIMENSION

|            |                                               |
|------------|-----------------------------------------------|
| DRY WEIGHT | 114.6 LBS. (52.0 KG)                          |
| WET WEIGHT | 128.4 LBS. (58.2 KG)                          |
| DIMENSIONS | 21.9 X 18.9 X 20.5 IN<br>(555 X 480 X 520 MM) |

## OPTIONS

### MAINTENANCE KIT

- **FKITGAW135H** — Filter kit includes (1) air cleaner element, (1) fuel strainer and (1) spark plug.
- **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.