GENMAX®

# USER'S MANUAL

## INVERTER GENERATOR
## ELECTRIC PRESSURE WASHER


| ELECTRIC PRESSURE WASHER | INVERTER GENERATOR |
|---|---|
| 2200PSI 1.5GPM | 4000 STARTING WATTS / 3200 RUNNING WATTS |

# GM4000Xi-2in1

**WARNING: SAVE THIS MANUAL FOR FUTURE REFERENCE**

**This manual contains important information regarding safety. Operation, maintenance and storage of this product. Before use, read carefully and understand all cautions, warnings, instructions and product labels. Failure to do so could result in serious personal injury and/or property damage.**

**California**
**Proposition 65 Warning**
The engine exhaust from this product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

**California**
**Proposition 65 Warning**
Certain components in this product and its related accessories contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

**DISCLAIMERS:**
All information, illustrations and specifications in this manual are based on the latest information available at the time of publishing. The illustrations used in this manual are intended as representative reference views only. Moreover, because of our continuous product improvement policy, we may modify information, illustrations and/or specifications to explain and/or exemplify a product, service or maintenance improvement. We reserve the right to make any change at any time without notice. Some images may vary depending upon which model is shown.



**⚠ DANGER**

This manual contains important instructions for operating this inverter generator. For your safety and the safety of others, be sure to read this manual thoroughly before operating the generator. Failure to properly follow all instructions and precautions can cause you and others to be seriously hurt or killed.

# UNPACKING

**⚠ CAUTION**

Always have assistance when lifting the generator. The generator is heavy; lifting it could cause bodily harm.

Avoid cutting on or near staples to prevent personal injury.

**Tools required** - box cutter or similar device.

1. Carefully cut the packing tape on top of the carton.
2. Remove socket wrench, and oil funnel and save for later.
3. Carefully cut two sides of the carton to remove the generator.

## WHAT COMES IN THE BOX

Spark Plug Socket Wrench (1)
Dual-Purpose Screwdriver (1)
Warranty Information (1)
Funnel (1)
Wrench 8mm/10mm (1)
Nozzle Cleaning Needle (1)
Engine Oil (1)

## Description of Fittings

**Spark Plug Socket Wrench**

Used in spark plug maintenance, inspection, and installation.

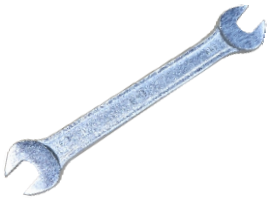
**Dual-Purpose Screwdriver**

Phillips and slot blade screwdriver used for generator maintenance.

**Funnel**

It's used to oil the generator.

**Wrench 8mm/10mm**



Assorted wrenches used in generator maintenance and assembly. Commonly 8mm, 10mm.

**Nozzle Cleaning Needle**

Used to clean the nozzle outlet hole.

**Engine Oil**


Be sure to add oil before starting the generator.

**Note: Actual tools may differ in appearance or design from image shown.**

# LIMITED WARRANTY

1. DURATION : One (1) year from the date of purchase by the original purchaser ( retail customer ) on products used solely for consumer applications; if a product is used for business, commercial, or industrial applications, the warranty period will be limited to ninety (90) days from the date of purchase.

2. WHO GIVES THIS WARRANTY (WARRANTOR):

   CHONGQING DINKING POWER MACHINERY CO., LTD

3. WHO RECEIVES THIS WARRANTY(PURCHASER):The original purchaser (other than for purposes of resale) of the Genmax's inverter.

4. WHAT PRODUCTS ARE COVERED BY THIS WARRANTY: Any portable generator supplied or manufactured by Warrantor.

5. WHAT IS COVERED UNDER THIS WARRANTY: Substantial defects on material and workmanship which occur within the duration of the warranty period.

6. WHAT IS NOT COVERED UNDER THIS WARRANTY:

   A. Transportation changes for s ending the product to Warrantor or its authorized service representative for warranty service, or for shipping repaired or replacement products back to the customer; these charges must be borne by the customer.

   B. Damages caused by abuse, accident, shipping, misuse, overloading, modification, and the effects of corrosion, erosion and normal wear and tear.

   C. Warranty is voided if the customer fails to install, maintain and operate the product in accordance with the instructions and recommendations set forth in the owner's manual(s), or if the product is used as rental equipment.

   D. Pre-delivery service, i.e. assembly, oil or lubricants, and adjustment.

   E. Items or service that are normally required to maintain the product, i.e. lubricants and filters.

   F. Warrantor will not pay for repairs or adjustments to the product, or for any costs or labour, performed without Warrantor's prior authorization.

EXCLUSIONS AND LIMITATIONS : Warrantor makes no other warranty of any kind, express or implied. Implied warranties, including warranties of merchantability and of fitness for a particular purpose, are hereby disclaimed. This warranty service described above is the exclusive remedy under this warranty; liability for incidental and consequential damages is excluded to the extent permitted by law.

7. RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:

   A. The purchaser must provide dated proof of purchase and must notify Warrantor within the warranty period.

   B. Deliver or ship the serviced generator or component to the nearest Warrantor's authorized service representative. Freight costs, if any, must be borne by the purchaser.

8. HAVE QUESTIONS?

   Email: service@genmaxpower.com  Phone: 866-960-2920

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# WARRANTY CARD

**PERSONAL INFORMATION**

Name: _____

Street Address: _____

City, State, ZIP:_____

Country: _____

Phone Number: _____

E-Mail: _____

**INVERTER INFORMATION**

Model Number: _____

Serial Number:_____

Date Purchased: _____

Purchased From:_____

GENMAX®

# TABLE OF CONTENTS

# SAFETY

Personal and property safeties of you and others are very vital. Please read the Safety Warning in the User's Manual and the decals of the generator set carefully.The Safety Warning can alert you to those potential hazards that could harm you and others. In front of each Safety Warning, there is one of four words "**DANGER**" "**WARNING**", "**ATTENTION**", and "CAREFUL". Details are as follows:

**⚠ DANGER**

Failure to follow the instruction will result in being in peril of your life or extremely serious injury.

**⚠ WARNING**

Failure to follow the instruction will result in being in peril of your life or very serious injury.

**⚠ CAREFUL**

Failure to follow the instruction will result in minor injury.

**ATTENTION**

Failure to follow the instruction will result in the damage to your generator set and other properties.

## CO TECHNICAL WARNING

CO DETECT technology monitors the accumulation of carbon monoxide (CO), a poisonous gas produced by engine exhaust when the generator is running. If CO Sensor detects unsafe elevated levels of CO gas, it automatically shuts off the engine. CO Sensor is not a substitute for an indoor carbon monoxide alarm or for safe operation. DO NOT allow engine exhaust fumes to enter a confined area through windows, doors, vents or other openings. Generators must ALWAYS be used outdoors, far away from occupied buildings with engine exhaust pointed away from people and buildings. Meets the requirements of ANSI/PGMA G300-2018.

**CO Sentry Indicator Lights**

**Red**

Carbon monoxide has accumulated around the generator. After shut-off, the RED indicator light in the CO Sentry area of the control panel will flash to provide notification that the generator was shutoff due to an accumulating CO hazard. The RED light will flash for at least five minutes after a CO shut-off. Move the generator to an open, outdoor area far away from occupied spaces with exhaust pointed away. Once relocated to a safe area, the generator can be restarted. Introduce fresh air and ventilate the area where the generator had shut down.

**Yellow**

A CO Sentry system fault occurred. When a system fault occurs, the generator is automatically shut down and the YELLOW indicator light in the CO auto-shutoff area of the control panel will flash to provide notification that a fault has occurred. The YELLOW light will flash for at least five minutes after a fault. The generator can be re-started, but may continue to shutoff.

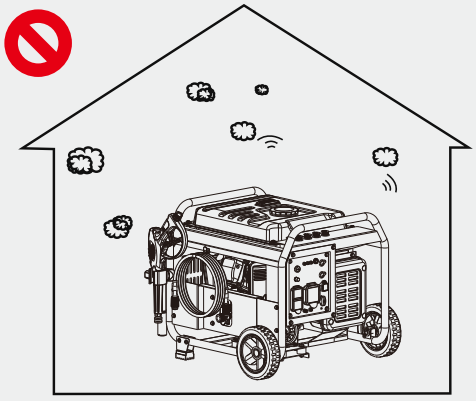
## NEUTRAL FLOATING

For portable generators where the neutral is floating, the operator's manual shall include the following wording or equivalent:

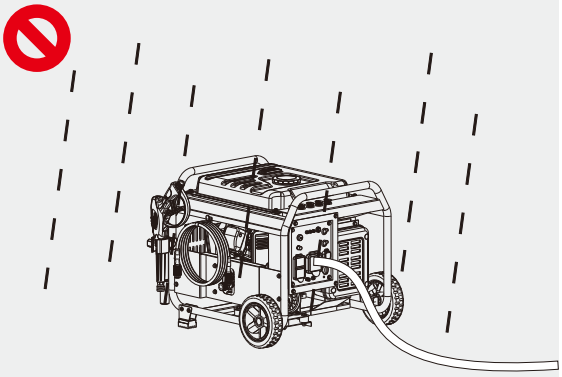
The portable generator stator winding is isolated from the frame and from the AC receptacle ground pin; and Electrical devices that require a connection between one conductor pin and the grounded receptacle pin may not function properly.

# SAFETY

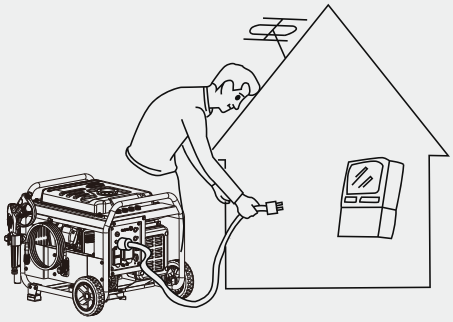
Before operating the generator, it will help you avoid accidents to read and understand the Manual and familiarize yourself with the safe operation procedures of the generator.



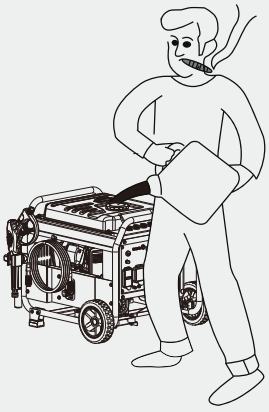
Please do not use indoors



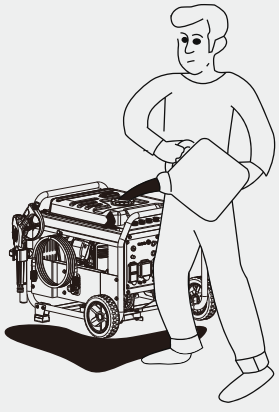
Please do not use in humid environment



Do not directly connect to the household power supply system



Please do not smoke when refueling



Please do not spill when refueling

Please shut down the generator before refueling

# SAFETY

**WARNING: READ AND UNDERSTAND ALL SAFETY INSTRUCTIONS**

- Keep guards in place and in working order. Never operate this product with any guard or cover removed. Make sure all guards are intact and operating properly before each use.
- Remove adjusting tools and wrenches. If any adjustments or maintenance has been performed, make sure that all tools and adjusting wrenches are removed from product before use.
- To reduce the risk of injury, keep all children and visitors away from product when in use. All visitors should wear safety glasses and be kept a safe distance from work area.
- Keep the work area clear of all persons, particularly small children, and pets.
- Use product for its intended use. Don' t force product or attachment to do a job it was not designed for. Do not use it for a purpose not intended. Use only recommended accessories with this product. The use of improper and or modified accessories may cause risk of injury.
- Use proper clothing. Wear long pants and long sleeves. Do not wear loose clothing, neckties, or jewelry. They can get caught and draw you into moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear Also wear protective hair covering to contain long hair.
- Always wear proper eye protection with side shields marked to comply with ANSI Z87.1. Following this rule will re-duce the risk of serious personal injury.
- Do not overreach or stand on a ladder, rooftop, or other unstable support structure. Keep proper footing and balance at all times.
- Never leave product running unattended. Turn power off. Don' t leave product until it comes to a complete stop.
- Keep the engine and pump free of grass, leaves, oil, or grease to reduce the chance of a fire hazard.
- Keep the exhaust outlet free of foreign objects.
- Be completely knowledgeable with product controls. Know how to stop the product and bleed pressure quickly.
- Stay alert and exercise control. Watch what you are doing at all times and use common sense. Do not operate tool when you are tired. Do not rush.
- Do not operate the product while under the influence of drugs, alcohol, or any medication.
- Check the work area before using product. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become tangled in the product.
- Do not direct high pressure spray stream at any persons, animals and pets. Do not direct spray stream.
- Never lift or carry the product or attempt to make adjustments while the engine is running or hot.
- Do not attempt to touch the spark plug or plug wire while the engine is running.
- Use only cold water with this product.
- For outdoor use only.

**WARNING: Fire / Hot Surface Hazard**

Exhaust could ignite combustibles, resulting in death or serious injury. Contact with muffler area could cause burns resulting in serious injury.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 feet (1.5 m) of clearance on all sides of pressure washer including overhead.
- Replacement part must be the same and installed in the same position as the original.

**WARNING: Slip or Fall Hazard**

Use of pressure washer could create slippery surfaces causing you to fall resulting in death or serious injury.

- Kickback from spray gun could cause you to fall resulting in death or serious injury.
- Operate pressure washer from a stable surface.
- The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.
- Be extremely careful if you must use the pressure washer from a ladder, scaffolding, or any other similar location.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

**WARNING: Kickback Hazard**

Starter cord kickback (rapid retraction) will pull hand and arm toward engine faster than you can let go, which could cause fractures, bruises, or sprains resulting in serious injury.

- NEVER pull starter cord without first relieving spray gun pressure.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point spray gun in safe direction, disengage trigger lock and squeeze spray gun trigger to release high pressure.

- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

**WARNING: Fire / Explosion Hazard**

Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.

Risk of fire and serious burns: Never remove fuel cap when unit is running. Shut off engine and allow the unit to cool at least five minutes. Remove cap slowly.

**WHEN ADDING OR DRAINING FUEL**

- Turn pressure washer engine OFF and let it cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve any pressure remaining in tank.
- Fill or drain fuel tank outdoors.
- DO NOT overfill tank. Allow space for fuel expansion.
- If fuel spills, wait until it evaporates before starting engine.
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.
- DO NOT light a cigarette or smoke.

**WHEN STARTING EQUIPMENT**

- Ensure spark plug, muffler, fuel cap, and air filter are in place.
- DO NOT crank engine with spark plug removed.

**WHEN OPERATING EQUIPMENT**

- DO NOT operate this product inside any building, carport, porch, mobile equipment, marine applications, or enclosure.
- DO NOT tip engine or equipment at angle which causes fuel to spill.
- DO NOT spray flammable liquids.

**WHEN TRANSPORTING, MOVING OR REPAIRING EQUIPMENT**

- Transport/move/repair with fuel tank EMPTY or with fuel shutoff valve OFF.
- DO NOT tip engine or equipment at angle which causes fuel to spill.
- Disconnect spark plug wire.

**WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK**

Store away from furnaces, stoves, water heaters, clothes dryers, or other appliances that have pilot light or other ignition source because they could ignite fuel vapors.

**WARNING: Fire and Electrical Shock**

Unintentional sparking could cause fire or electric shock, resulting in death or serious injury.

**WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER**

- Disconnect the spark plug wire from the spark plug and place the wire where it cannot contact spark plug.

**WHEN TESTING FOR ENGINE SPARK**

- Use approved spark plug tester.
- DO NOT check for spark with spark plug removed.

**WARNING: Fluid Injection**

The high-pressure water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

- Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.
- If cut by fluid, call physician immediately. DO NOT treat as a simple cut.
- DO NOT allow CHILDREN to operate pressure washer.
- NEVER repair high pressure hose. Replace it.
- NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.
- NEVER connect high pressure hose to nozzle extension.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, disengage trigger lock and squeeze spray gun trigger to release high pressure, every time you stop engine.
- NEVER aim spray gun at people, animals, or plants.
- DO NOT secure spray gun in open position.
- DO NOT leave spray gun unattended while machine is running.
- NEVER use a spray gun which does not have a trigger lock or trigger guard in place and in working order.
- Always be certain spray gun, nozzles and accessories are correctly attached.

**WARNING: Moving parts hazard**

Starter and other rotating parts could entangle hands, hair, clothing or accessories, resulting in serious injury.

- NEVER operate pressure washer without protective housing or covers.
- DO NOT wear loose clothing, jewelry or anything that could be caught in the starter or other rotating parts.
- Tie up long hair and remove jewelry.

**WARNING: Projectile hazard**

Risk of eye or bodily injury. Spray could splash back or propel objects resulting in serious injury.

- Always wear safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of this equipment.
- Always wear protective clothing such as a long-sleeved shirt, long pants and close-toed shoes.
- NEVER operate pressure washer when barefoot or wearing sandals.

**CAUTION: Engine Speed**

Excessively high operating speeds could result in minor injury. Excessively low speeds impose a heavy load on engine.

- DO NOT tamper with governor spring, links or other parts to increase engine speed. Pressure washer supplies correct rated pressure and flow when running at governed speed.
- DO NOT modify pressure washer in any way.

**WARNING: Electrical Shock**

Contact with power source could cause electric shock or burn resulting in death or serious injury.

- Never spray at or near an electric power source.

**WARNING: Chemical Burn**

Chemicals could cause burns resulting in death or serious injury.

- DO NOT use caustic liquid with pressure washer.
- Use ONLY pressure washer safe detergents/ soaps. Follow all manufacturer' s instructions.

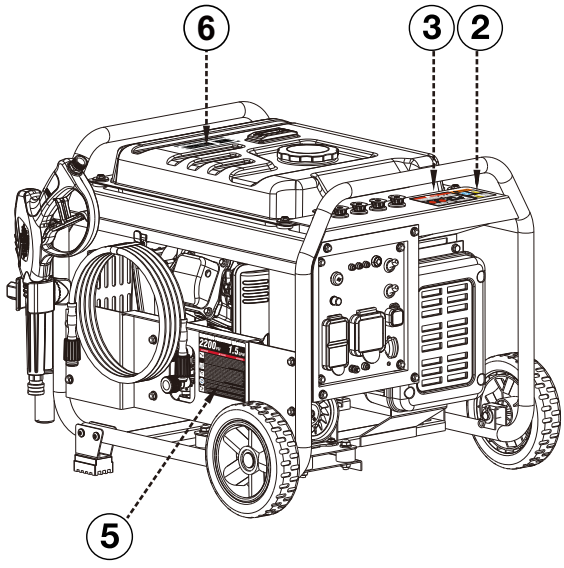
***NOTICE:*** High pressure spray could damage fragile items including glass.

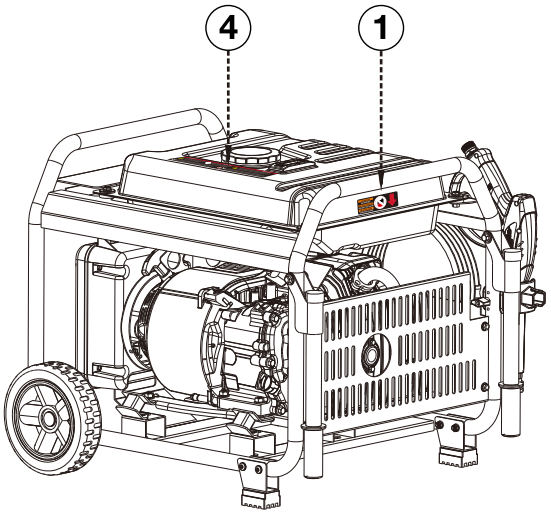
- DO NOT point spray gun at glass when using red (0°) nozzle.
- NEVER aim spray gun at plants.

***NOTICE:*** Improper treatment of pressure washer could damage it and shorten its life.

- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- DO NOT tamper with governed speed.
- DO NOT operate pressure washer above rated pressure.
- DO NOT modify pressure washer in any way.
- Before starting pressure washer in cold weather, check all parts of the equipment to be sure ice has not formed there.
- NEVER move machine by pulling on hoses. Use handle provided on unit.

## SAFETY LABELS AND DECALS

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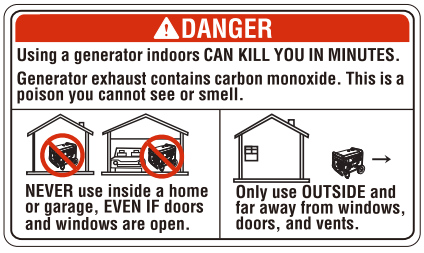


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**GM4000Xi-2in1 Inverter Generator & Electric Pressure Washer**

| | | | | | |
|---|---|---|---|---|---|
| AC Voltage: | 120V | RPM: | 4850 | Pressure: | 2200PSI / 152bar |
| Current: | 25.0A | Power Factor: | 1.0 | Flow: | 1.5GPM / 5.7LPM |
| Frequency: | 60Hz | Insulation Class: | F | Voltage: | 120V |
| Rated Power: | 3.0kW | Rated Amb. Temp.: | 25°C | Input: | 1Phase, 60Hz, 13A |
| Phase: | Single | | | | |

CHONGQING DINKING POWER MACHINERY CO.,LTD.

# COMPONENTS


① **Fuel Tank Cap:** Open the fuel tank cap and fill with proper amount of gasoline.

② **Fuel Tank:** Store the added gasoline.

③ **Control Panel:** Contains the reset breaker, outlets and warning lights.

④ **Magnetic Oil Dipstick:** Absorb iron filings in the engine oil. It is recommended to screw out the oil dipstick every 50 hours to clean it.

⑤ **Generator Frame:** Protects the generator for easy movement.

⑥ **Wheel:** Easy to move.

⑦ **Muffler:** Avoid contact until the engine is cooled down. The spark arrestor prevents sparks from exiting the muffler. It must be removed for servicing.

⑧ **Spark Plug**

⑨ **Fuel Switch:** Rotate to ON to turn on fuel, rotate to OFF to turn off fuel.

⑩ **Air Cleaner:** To purify the waste gas.

⑪ **Starter:** Pull to start the engine.

⑫ **Carburetor**

⑬ **Inverter:** Conversion of direct current to alternating current using high frequency bridge circuit.

⑭ **Cylinder Head**

⑮ **Handrail**

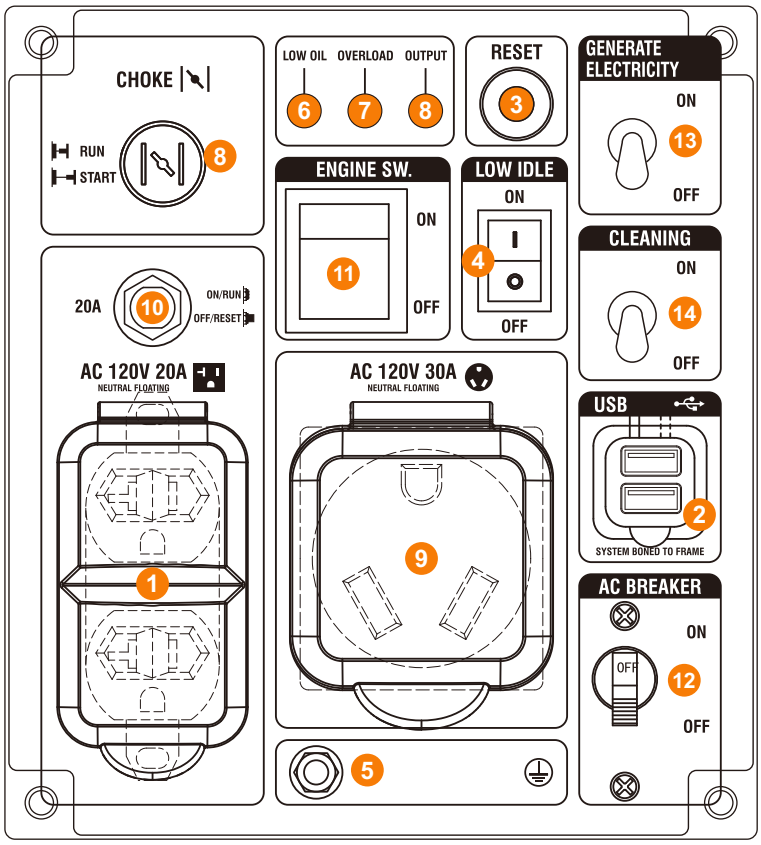
⑯ **Spray Gun:** Use the spray gun and lance to control and direct the stream of water.

⑰ **High Pressure Hose:** The high pressure hose included with this unit is light weight, flexible, and durable. When not in use, the hose can be stored on the hose retainer.

⑱ **Water Outlet:** Connection for high pressure hose.

⑲ **Water Inlet:** Connection for garden hose.

⑳ **Nozzles:** Nozzles of varying sizes are included with this unit and can be used for different cleaning applications.




## CONTROL PANEL FEATURES GM4000Xi-2in1

① **120-Volt, 20-Amp Outlet:** The outlet is capable of carrying a maximum of 20 amps.

② **USB Duplex:** 5V DC that come in 1 amps and2.1 amps.

③ **Reset:** If the generator is overloaded, the reset breaker will trip. The engine will continue to run, but there will be no output from the generator. Unplug the devices and reduce the load. Push in the reset breaker to reset it.

④ **Low Idle:** When turned to the ON position, the engine will sense the load needed and run at a slower RPM to save fuel.

⑤ **Ground Terminal:** The ground terminal is used to externally ground the generator.

⑥ **Low Oil Alarm:** Indicates low oil level.

⑦ **Overload Alarm:** Indicates that the generator is overloaded.

⑧ **Output Indicator:** Indicates the generator is ready to be used.

⑨ **120/240-Volt, 30-Amp Outlet:** The outlet is capable of carrying a maximum of 30 amps.

⑩ **20A Circuit Breaker:** The circuit breakers protect individual circuits from electrical overload.

⑪ **Engine Switch:** Press ON to start the engine, press OFF to turn OFF the engine.

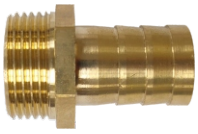
⑫ **AC Circuit Breaker:** AC circuit breakers control the output of all AC sockets to prevent overload or short circuit of the generator.

⑬ **Generate Electricity Switch:** Turn the switch to ON to turn on the power generation function, and to OFF to turn off the power generation function.

⑭ **Cleaning Switch:** Turn the switch to ON to turn on the cleaning function, and to OFF to turn off the cleaning function.

# ASSEMBLE

## LIST OF PARTS

| | | | |
|---|---|---|---|
| QTY: 2<br>  <br>Wheel | QTY: 2<br>  <br>Axle | QTY: 2<br>  <br>Washer<br>(Used of wheels) | QTY: 2<br>  <br>R Pin<br>(Used of wheels) |
| QTY: 2<br>  <br>Handle | QTY: 6<br>  <br>Bolt M8×45<br>(Used of Handle) | QTY: 6<br>  <br>Nut M8<br>(Used of Handle) | QTY: 4<br>  <br>Rubber Washer<br>(Used of wheels) |
| QTY: 2<br>  <br>Foot | QTY: 1<br>  <br>Spray Gun | QTY: 1<br>  <br>Spray Gun Holder | QTY: 1<br>  <br>High Pressure Hose 7m |
| QTY: 1<br>  <br>Water Inlet Connection | | | |

## INSTALLING THE FEET

1. Place the generator on a flat surface.
2. Place props beneath the generator to serve as a temporary support.
3. Align the holes in a foot with the holes in the crossbar.
4. Insert bolts through the holes in the foot and holes in the cross bar.
5. Tighten bolts securely.
6. Repeat these steps to install second foot.

## INSTALLING THE WHEELS

1. Place the generator on a flat surface.
2. Place props beneath the generator to serve as a temporary support.
3. Insert the axle between the wheel and the washer.

4. Install the wheel onto the frame and insert the R pin onto the axle.
5. Repeat these steps to install second wheel.

## INSTALLING THE HANDLE

1. Two washers should be located on both sides of the handlebar hole in the frame, and the handlebar should be fixed on the frame with bolts.
2. Tighten bolts securely.
3. Repeat these steps to install second handle.

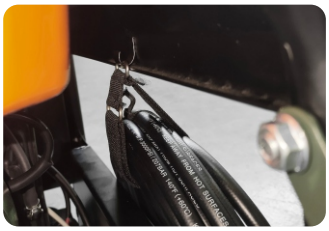

## INSTALLING THE SPRAY GUN

1. Thread the threaded rod of the spray gun base through the hole on the frame. (Direction of Muffler)
2. Adjust the direction and tighten the nut.

3. Place the spray gun on the spray gun holder.

## SECURE THE HIGH PRESSURE HOSE TO THE FRAME

There is a hook behind the frame above the cylinder head used to hook the High Pressure Hose onto the frame.



## CONNECTING THE HIGH PRESSURE HOSE TO THE SPRAY GUN

1. Pull the collar on the high pressure hose back and push the hose fitting firmly onto the spray gun.
2. Screw the collar onto the spray gun and tighten securely.

**NOTE:** Be careful not to damage the threads on the spray gun doing so could cause the gun to leak during use.

3. Gently pull on the hose to be certain it is secured.

## CONNECT THE HIGH PRESSURE HOSE TO THE WATER OUTLET

1. Uncoil and straighten the high pressure hose to remove any bends or kinks.
2. Pull the collar on the high pressure hose back and push the hose fitting firmly into the threaded outlet on the pressure washer.

3. Screw the collar onto the outlet and tighten securely.

**NOTE:** Be careful not to damage the threads on the spray gun doing so could cause the gun to leak during use.

4. Gently pull on the hose to be certain it is secured.

## CONNECT GARDEN HOSE TO WATER INTAKE

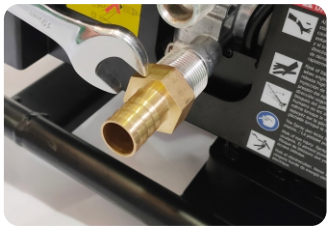
**ATTENTION**

Follow local regulations and ordinances when connecting your pressure washer to a water supply. Some jurisdictions may prohibit you from connecting directly to public drinking water in order to prevent the possibility of chemicals feeding back into the system. Connections made through a backflow preventer or receiver tank are generally permitted.

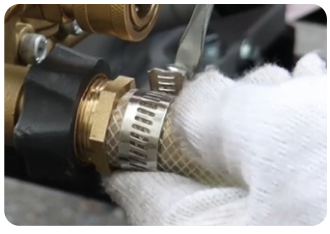
**ATTENTION**

The water used in this device must come from a water main. **DO NOT** use this device with water from a lake, pool, pond, etc. **NEVER** use hot water with this product.

1. Tighten the water inlet connector to the water inlet.



2. Turn the water faucet completely off.
3. Uncoil and straighten the garden hose to remove any bends or kinks.
4. Flush water through the hose for several seconds to remove debris and then turn the faucet off again.
5. Inspect the screen inside the water inlet for damage or clogs. Clean or replace as needed. **NEVER** connect a garden hose without the screen in place.
6. Insert the garden hose into the water inlet.
7. Thread the collar on the inlet onto the garden hose. Tighten securely.



## ADDING GASOLINE

**⚠ DANGER**

- **Fuel is flammable and toxic, please read the Safety Instruction carefully before refueling;**
- **Do not fuel too full, otherwise fuel will spill after fuel tank is warmed;**
- **After refueling, confirm that the fuel tank cap has been tightened.**

**ATTENTION**

- **After refueling, dry gasoline residue with a clean and soft cloth in time to avoid damaging plastic enclosure;**
- **Unleaded gasoline must be used, as leaded gasoline can seriously damage internal parts of the generator;**

Remove the tank cap and add gasoline.
**Fuel tank capacity: 4.0gal (15L)**
**NOTE:** The gasoline level should NOT be higher than the red maximum fill ring on the fuel screen.


## ADDING OIL

No oil is filled into this generator when being delivered. Do not start up the generator without filling sufficient oil.

1. Please place the generator onto a horizontal plane surface;

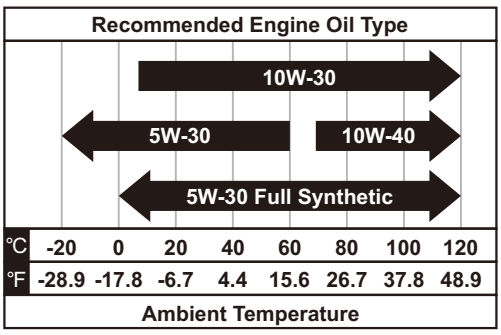
2. Unscrew oil dipstick, Fill in 0.16gal(0.6L) oil (SAE 10W/30 oil is recommended, of which the grade is API standard Type SE or higher);


3. Tighten the oil dipstick.

**ATTENTION**

Your generator was functionally tested in the factory and may contain minimum residual oil. Additional oil is required to operate the unit. Do not overfill.

The recommended oil type for typical use is 10W-30 automotive oil. However, using the listed conventional oils shown in the "Recommended Engine Oil Type" chart may be used for typical use including the first 5 hours of the break-in run time period of the engine. If running generator in extreme temperatures, refer to the "Recommended Engine Oil Type" chart.



## PRE-USE INSPECTION

**⚠CAREFUL**

**Even if the generator is not in service, its important component may suddenly fails. Before the generator is started up, if any of following components is unable to work properly, please inspect and repair carefully.**

***Tip:*** The condition of the generator shall be inspected before using every time.

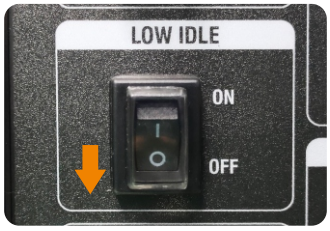
**Pre-operation inspection**

| Project | Possible Causes | Probable Solutions |
|---|---|---|
| **Fuel** | Check fuel level in fuel tank of the generator. | Add fuel if necessary. |
| **Oil** | Check oil level of the generator. | Add oil if necessary. |
| | Check whether there is oil leaking. | |
| **Abnormal conditions during operation** | Check operating condition of the generator. | If there is any need, please do not hesitate to consult your dealer. |

## STARTING THE GENERATOR

1. Make sure the generator is on a solid, flat, level surface.
2. Disconnect all electrical loads from the generator. Place the generate electricity switch and cleaning switch in the OFF position, and do not start or stop the generator when the electrical equipment is connected.
3. Turn the fuel switch to “ON”.

4. Press the low idle switch to “OFF”.




5. Press Engine Switch to "ON".


6. Move the choke to the START position.

**NOTE:** If the engine is warm, move the choke towards the RUN position.


7. Firmly grasp and pull the recoil handle slowly until you feel increased resistance. At this point, pull the recoil handle rapidly away from the generator until the engine starts.

**NOTE:** Gently return the recoil handle into place after starting the unit. Do not let it snap back against the unit. During initial starting, additional pulls may be required to prime the engine.

8. After the engine starts, move the choke to the RUN position.


**ATTENTION**

**For gasoline restarts with hot engine in hot ambient temperature >86°F (30°C):** Rotate the Choke Lever to the “START” position for only one pull of the recoil cord. If generator does not start after first pull, rotate the Choke Lever to the “RUN” position for the next three pulls. Too much choke leads to spark plug fouling and engine flooding. This will cause the engine not to start.

**ATTENTION**

**For gasoline starting in standard ambient temperature >59°F(15°C):** Keep Choke Lever in “START” position for three pulls of the recoil cord. If generator does not start after three pulls, rotate the Choke Lever to the “RUN” position for the next three pulls. Too much choke leads to spark plug fouling and engine flooding. This will cause the engine not to start.

**ATTENTION**

**For gasoline starting in cold ambient temperature < 59°F (15°C):** Keep the Choke Lever in the “START” position until engine starts. As soon as the engine starts and runs smoothly turn the Choke Lever to the “RUN” position. In extreme cold temperatures, this may take several seconds.

**ATTENTION**

If the engine starts but does not continue to run make certain that the generator is on a flat, level surface. The engine is equipped with a low oil sensor that will prevent the engine from running when the oil level falls below a critical threshold.

## USING GENERATE ELECTRICITY

1. Generate electricity switch to "ON" position.

**2. To add loads after starting the generator.**

- When the generator output stabilizes, you can safely connect loads to the control panel receptacles.

**NOTE:** Verify that all devices are turned off before connecting them to the generator.

**NOTE:** Make sure that the wattage requirements for all connected devices are in line with your generator's capabilities.

- Connect and start the largest device or appliance.
- Allow the generator output to stabilize. Once stable, the engine should run smoothly, and the device should function properly.
- Connect and start the next largest device or appliance.
- Allow the generator output to stabilize.
- Repeat this process for each additional load.

**NOTE:** The circuit breaker switch must be placed in the "ON" position, otherwise the generator will not output.


**ATTENTION**

The generate electricity function and cleaning function can be used simultaneously. When using the cleaning function, it will consume a rated power of 1800W, and the generator can only output a rated power of 1200W. Please note that the connected load should not exceed the rated power of 1200W.

## USING CLEANING

**ATTENTION**

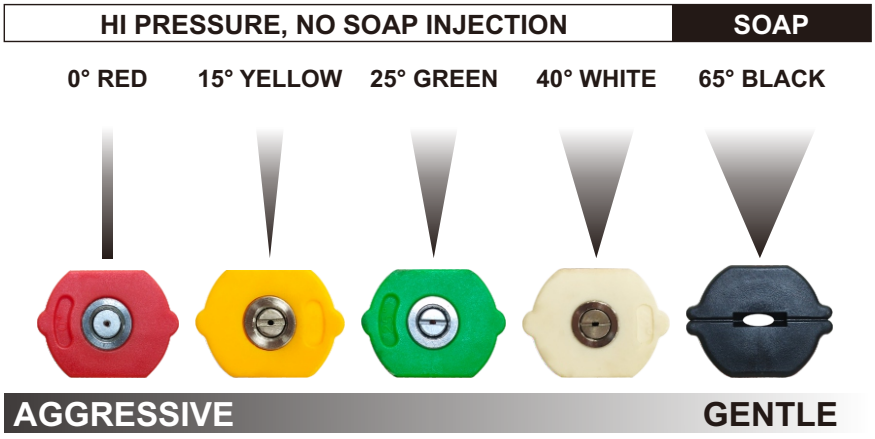
Before turning the cleaning switch to "ON", please make sure to turn the water supply switch to "ON". Running the pump in a dry water state can damage internal components and render the pressure cleaning machine inoperable.

Cleaning switch to "ON" position.


## SELECTING NOZZLES

The quick connector on the spray gun can switch different nozzles according to different work scenarios.

| | | | | |
|---|---|---|---|---|
| 0° | ✓ | | | |
| 15° | ✓ | ✓ | | |
| 25° | ✓ | ✓ | ✓ | |
| 40° | ✓ | ✓ | ✓ | ✓ |
| 65° | ✓ | ✓ | ✓ | ✓ |




**0° Nozzle-Red:** This nozzle delivers a pinpoint stream of pressurized water and is extremely powerful. Use it for the toughest cleaning jobs, although It covers only a small area. This nozzle should only be directed at surfaces that can withstand intense high pressure such as metal or concrete. Do not use this nozzle to clean wood or soft surfaces.

**15° Nozzle-Yellow:** This nozzle delivers a 15-degree spray pattern for heavy duty cleaning and stripping. It should only be used on surfaces that can withstand pressure from this nozzle.

**25° Nozzle-Green:** This nozzle delivers a 25-degree spray pattern for general tasks. It should only be used on surfaces that can withstand pressure from this nozzle.

**40° Nozzle-White:** This nozzle delivers a 40-degree spray pattern for easily damaged surfaces. It should only be used on surfaces that can withstand pressure from this nozzle.

**65° Chemical Nozzle-Black:** This nozzle is used to apply special chemicals and cleaning solutions. This nozzle produces the weakest pressure stream of the nozzles.

## CONNECTING NOZZLE TO SPRAY GUN

**⚠ WARNING**

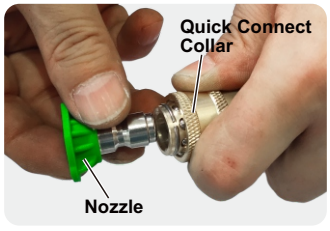
Never place hands in front of nozzle, or point nozzle at your face.

Never attempt to clean a clogged nozzle while attached to the spray gun.

Never attempt to attach or remove spray gun or hose fittings while Pressure Washer system is pressurized.

Turn off Pressure Washer. While pointing spray in a save direction, release pressure by squeezing trigger. Then lock the Gun Trigger before attempting to change pressure nozzles.

1. To attach, pull quick connect collar back, insert nozzle into female quick-disconnect spray gun and press to lock in place. Make sure collar snaps into place.




2. To detach, pull quick connect collar back and pull nozzle to remove.

## USING THE SPRAY GUN

**⚠ WARNING**

Hold the spray gun and lance with two hands (one hand to pull the trigger and the other to stabilize the gun) until you get used to the “recoil”. Do not lose control of the spray gun doing so could result in injury to yourself and others.

- Start the pressure washer.
- Release the safety lock by pushing it down into the slot in the trigger.
- Squeeze and hold the trigger to start the flow of water.
- Release the trigger to stop the flow of water.
- Lock the trigger by pushing it up to its original position.


**NOTE:** Squeeze the trigger to make sure its locked and will not move. ALWAYS keep the spray gun locked when it’s not in use.

**⚠ WARNING**

Always engage the trigger lock before changing a nozzle.

## WASHING/CLEANING

1. Firmly grip spray gun with both hands.
2. Start with a high degree fan nozzle, and gradually use lower unit the nozzle meets the task.
3. Point the nozzle to a safe direction and squeeze the spray gun trigger to allow the pump to purge air and impurities in the system and then redirect the nozzle to the working surface.
4. Clean vertical and sloped surfaces from the top down.
5. When cleaning horizontal surfaces, occasionally use the stream to clear the area of excess water.
6. For most effective cleaning, keep spray nozzle from 8 to 24 inches away from cleaning surface. If you get spray nozzle too close, you may damage surface being cleaned. It is not recommended to get closer than 6 inches when cleaning tires.

## PRESSURE ADJUSTMENT

Vary your distance: To change the effect of the pressure on the surface being cleaned, vary the distance between spray nozzle and the surface being cleaned. The closer to the surface the higher the effect of the pressure. As you pull away from the surface, the pressure effect will reduce. For most effective cleaning, keep the nozzle between 8 to 24 inches from surface being cleaned.

## USING CHEMICALS

**NOTICE:** Use only soaps and chemicals designed for use with a Pressure Washer. DO NOT USE CHLORINE BLEACH, ACIDS OR INDUSTRIAL SOLVENTS.

Chemicals, soaps and cleaning solvents will not siphon when a high-pressure nozzle is used. Only use the Black (low pressure) Nozzle when spraying detergents. Fill Detergent Tank (if so equipped) with prepared detergent solution and close the cap.

1. If your Pressure Washer is equipped with an on board soap tank:
2. Fill the soap tank with detergent and close the lid.
3. Change the nozzle in the spray gun to black nozzle.
4. Start the engine, and spray with soap.
5. If the Pressure Washer is not equipped with a soap tank:
6. Make sure the Siphon Tube with Strainer is connected to the brass barb near the high-pressure hose connection area of the pump.
7. Submerge the strainer end of the siphon tube in the soap/detergent.
8. Change the nozzle to black nozzle.
9. Start engine and spray with soap.

## CLEANING TIPS

**NOTICE:** Never use the pressure washer garden hose inlet to siphon detergent or wax. Leaving chemicals and cleaning solutions inside the pressure pump could damage it. Damages created by leaving soaps, chemicals and cleaning solutions inside the pump can void the warranty.

### Overload Indicator

**NOTE:** The OVERLOAD light may turn on for a few seconds as a large device starts. This is normal for loads approaching the capacity of this generator.

1. The total combined load through the outlets on the generator must not exceed the running power of the unit.
2. If the OVERLOAD light turns on and the generator stops producing power, it has been overloaded.
3. Turn off and disconnect all electrical devices and stop the engine. Compare device requirements to generator rating and reduce the total wattage of connected devices if necessary. Move anything that may be limiting generator ventilation away.
4. Check if any circuit breakers have tripped and make sure that ALL circuit breakers are reset before starting the generator again.
5. Restart the engine and reconnect devices while being careful to not overload the generator.

### Low Oil Indicator

1. If the engine oil level is too low, the LOW OIL light turns on and the engine will automatically shut off.
2. The engine cannot be restarted until the proper amount of oil has been added. Add the appropriate type of oil until the oil level is at the proper level. SAE 10w-30 oil is recommended for general use.

**ATTENTION**

Do not run the engine with too little oil. Engine will shut off if engine oil level is too low.

### Low Idle

1. Turn on a low idle mode (green light) to limit noise and fuel consumption with a light generator load.
2. Turn off the low idle mode to run the engine at full speed under the following conditions:

- Starting the generator.
- If the load exceeds 50%, it is recommended to turn off the low idle mode.

## TURN OFF WATER SUPPLY

Squeeze the Trigger to release excess pressure.

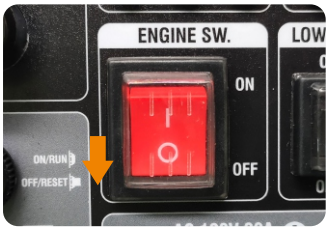
If pressure washer detergent has been used, run clean water through the system to eliminate detergent residue using the following procedure:

1. Fill the Detergent Tank (not supplied) with clean water.
2. Remove the nozzle and restart the cleaning function.
3. Point spray gun in safe direction and hold down to flush water through system until clean.

## STOPPING THE GENERATOR

1. Turn off and unplug all connected electrical loads. Never start or stop the generator with electrical devices plugged in or turned on.
2. Turn off the generate electricity and cleaning switch to the OFF position.

3. Turn the engine switch to “OFF”.




4. Turn the fuel switch to “OFF”.

5. Remove or consume all untreated gasoline if you plan to store the generator longer than 3 months.

## SERVICE ENVIRONMENT OF THE GENERATOR

• Applicable temperature:  23℉(-5℃ )~ 104℉(40℃);
• Applicable humidity: below 95%;
• Applicable altitude: regions below 1,500 m (It shall be used by reducing power in regions above 1,000 m).

**Standard atmospheric condition**

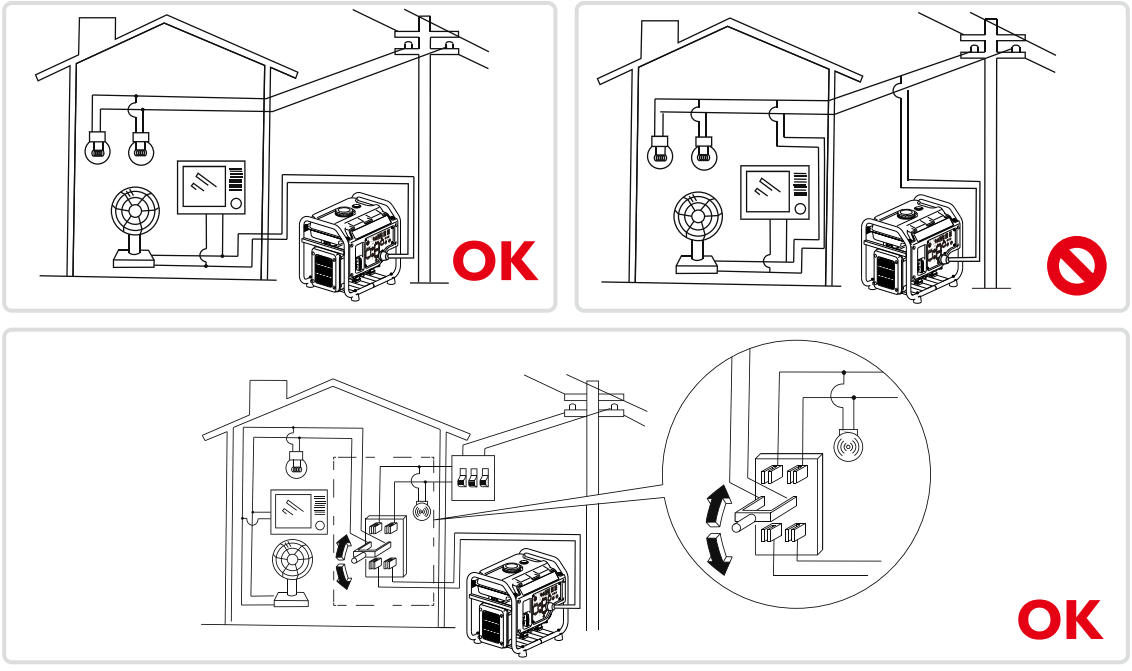
• Ambient temperature Tr: 298k (77℉)(25°C)
• Relative air humidity Φr: 30%
• Absolute atmospheric pressure Pr: 100kPa

**When actual environmental condition is inconsistent with the condition of output power of the generator set:**

• Every 5°C of  increase in ambient temperature will reduce the power  of generator by about 2%.
• Every 30% of increase in relative humidity of air will reduce the power of generator by about 1.5%.
• Every 300 m rising of ASL will reduce the power the generator by about 4.5%.

## GENERATOR WIRING

• When the generator is connected to household power source as a backup power supply, the connection shall be carried out by a professional electrician or a person familiar with electricity.
• After connecting the load to the generator, check carefully whether electrical connection is safe and reliable. Improper electrical connection may cause generator damage, burning or fire.
• Avoid connecting this generator to commercial power outlet.
• When extending the cable, be sure not to exceed its length.
① 60m cross-section area is 1.5mm²
② 100m cross-section area is 2.5mm²
• The appearance of extension cable shall be protected by a layer of tough and elastic rubber cover (IEC25) or other substitutes.



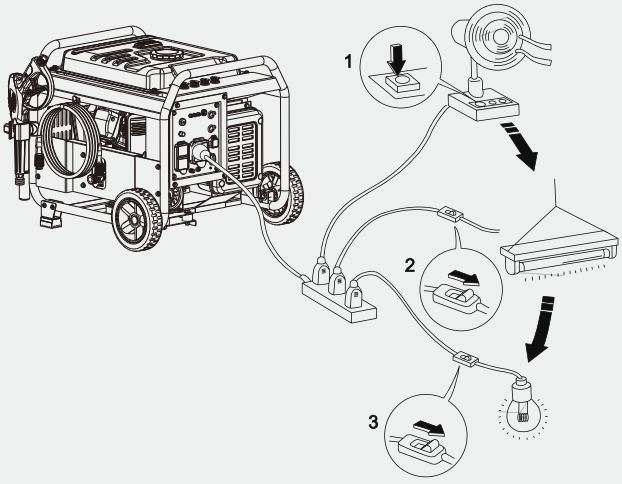
### Connection of AC power

**⚠WARNING**

**All electrical equipment shall be disconnected before inserting the plug.**

**ATTENTION**

• Make sure that all electrical equipment, including wires and plugs, are in good condition before connecting to the generator;
• Make sure that all loads driven by the generator are within rated load range;
• Make sure that load current is within rated current range of rated socket.
***Tip:*** Make sure that the generator set is grounded, and if electrical equipment requires grounding, the generator set must be grounded.
① Start up the engine;
② Turn energy-saving switch to "ON";
③ Insert the plug into AC outlet;
④ Make sure that AC indicator is lit up;
⑤ Switch on electrical equipment.
***Tip:*** Before increasing engine speed, energy-saving switch must be switched to "OFF". If the generator set supplies power to multi loads or electrical equipment, start from large to small according to the size of each electrical equipment.




## GENERATOR GROUNDING

In order to prevent any damage to the generator caused by electric shock or improper electrical application, it is recommended that the generator is grounded with good conductor with insulating sheath.

① Please use grounding wire with sufficient electrical energy capacity;
② Connect one end of grounding wire reliable to grounding bolt on control panel of the generator set;
③ Insert grounding body (iron rod with a diameter of 5 ~ 10mm) 200mm below into the earth and lead it out with conductor;
④ Connect the other end of the grounding wire reliable to the led wire of grounding body.


***Tip:*** How to change the grounding method please refer to the website: **https://www.genmaxpower.com/page/faq**

# MAINTENANCE

Good maintenance and service is the best guarantee for safe, economical and zero-failure operation. It also contributes to environmental protection.
In order to keep the generator in good condition, you must inspect and maintain it regularly. The maintenance schedule is as follows:

| Item \ Maintenance cycle | | Each | First in 1 month or 20 hours | Then every three months or every 50 hours | 100 hours per year or use |
|---|---|---|---|---|---|
| Engine oil | Check-fill | √ | | | |
| | Replace | | √ | √ | |
| Gearbox gear Oil (if any) | Check oil | √ | | | |
| | Replace | | √ | √ | |
| Air cleaner element | Inspection | √ | | | |
| | Clean | | √ | | |
| | Replace | | | √ | |
| Settling cup (if any) | Clean | | | | √ |
| Spark plug | Clean-adjust | | | | √* |
| Spark eliminator | Clean | | | √ | |
| Idle speed (if any)** | Check-adjust | | | | √ |
| Valve clearance** | Check-adjust | | | | √ |
| Fuel tank and fuel filter*** | Clean | | | | √ |
| Fuel line | Inspection | Every two years (Please replace if necessary) | | | |
| Cylinder head, piston | Remove carbon deposit** | Displacement < 225cc, every 125 hours; displacement capacity ≥ 225cc, every 250 hours. | | | |

* These items shall be replaced if necessary;
** These items shall be maintained by the dealer authorized by the Company, unless the user has proper tools and maintenance ability.

## ATTENTION

- If it often works under high temperature or high load, oil shall be changed every 25 hours;
- If it often works in dusty or harsh environment, air cleaner element shall be cleaned every 10 hours. If necessary, the air cleaner element shall be replaced every 25 hours;
- It shall be maintained on spot-inspection cycle and time, whichever is earlier;
- If maintenance cycle time has elapsed, perform the maintenance as soon as possible as per the table above.

**⚠WARNING**

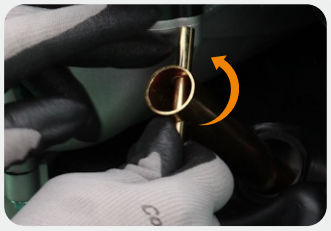
Please shut down the engine first before performing any maintenance. The engine shall be placed in a horizontal position. In order to prevent the engine from starting up, separate spark plug cap shall be separated from spark plug.
Do not use it indoors or use it in a tunnel, cave or other places ventilated poorly. Make sure that work area is well ventilated. Exhaust gas from the engine contains toxic gases, carbon oxides, and the inhalation can cause shock, loss of consciousness, and even death.

## SPARK PLUG INSPECTION

Spark plug is an important part of the generator, which must be inspected regularly.

**1.** Remove the spark plug cap;

**2.** Insert the screwdriver into the sleeve, to screw it counterclockwise, and then remove the spark plug;



**3.** Check whether there is discoloration, and remove carbon deposits.Check whether there is little pale to moderate brown on ceramic cores around center electrode of the spark plug;

**4.** Check the model of spark plug and clearance.
**Spark plug gap: 0.7-0.8mm**
**Standard spark: BP6ES**


***Tip:*** The spark plug clearance is required to be measured by line thickness gauge, which shall be adjusted if necessary.

**5.** Install the spark plugs in reverse order of removal.
**Spark plug torque: 22.5±2.5N.m(199±22in-lb)**

***Tip:*** If there is no torque wrench when installing the spark plug, a better estimation method is to screw it 1/4-1/2 turns by force after screwing it in place, but the spark plug shall be screwed to specified torque as soon as possible.

## ADJUSTMENT OF THE CARBURETOR

The carburetor is an important components of the engine. The adjustment shall be carried out by a dealer with professional knowledge, professional data and equipment, to ensure that the adjustment is proper.

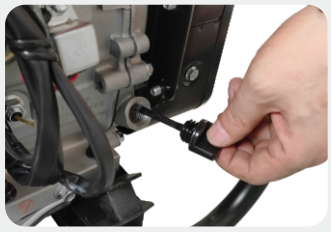
## REPLACEMENT OF OIL

**⚠WARNING**

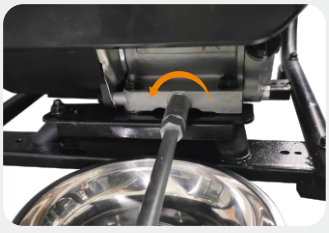
**Do not drain the oil immediately after turning off the generator. Oil temperature is very high, when operating, take care to avoid scalding.**

**1.** Put the generator on a horizontal surface, start the generator, run it for a few minutes to increase its temperature, and then turn off the engine;

**2.** Unscrew oil dipstick;



**3.** Place an oil pan (or suitable container) under the oil drain bolt, remove the oil drain bolt and allow the oil to drain;

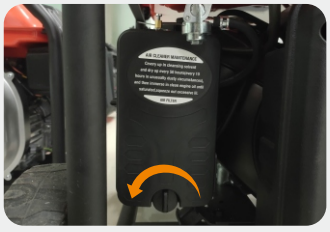


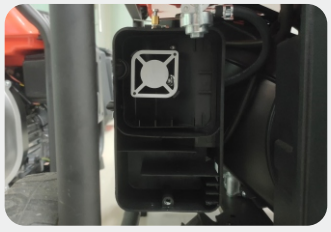
**4.** Refill oil to a proper level, tighten oil dipstick.
**Recommended oil: SAE S10W/30**
**Oil grade: API standard Model SJ or higher**
**Volume: 0.16gal(0.6L)**

## AIR FILTER

Dirty air cleaner may prevent air from flowing into the carburetor. In order to prevent failure of the carburetor, please maintain air cleaner regularly. If being used in a dusty environment, it shall be maintained frequently.

**1.** Remove screws, to remove cover plate of air cleaner ;





**2.** Clean foam cleaner element with cleaning solvent and blow it dry, Put a few drops of oil on the filter element;

**ATTENTION**

**Be sure not to twist the foam cleaner element forcibly to avoid damage.**

**3.** Put foam cleaner element into air cleaner;
***Tip:*** Make sure that the surface of foam cleaner element is in close contact with air cleaner, and there shall be no gap leaking air. Be sure not to start the engine before air cleaner is assembled, because it will generate excessive toxic gas and wear the cylinder;

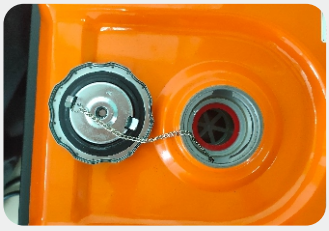
**4.** Reassemble empty air cleaner cap back to original position, and tighten screws.

## FUEL FILTER SCREEN

**⚠WARNING**

**Be sure not to open fuel tank of the generator in a place where smoking or with flame.**

1. Remove fuel tank cap and fuel tank filter screen.
2. Clean fuel tank filter screen with gasoline.
3. Wipe filter screen dry, and put it back into fuel tank.
4. Reassemble fuel tank cap.



**ATTENTION**

**Be sure to screw fuel tank cap tight.**

## CLEANING NOZZLE

Occasionally, the spray gun can become clogged with foreign materials such as dirt. When this happens, excessive pressure can develop. Whenever the pressure nozzle becomes particularly clogged, the pump pressure will pulsate. It should be immediately cleaned.

**1.** Make sure pressure washer is off and spray gun is locked.


**2.** Remove high pressure spray nozzle from the spray gun. Using the nozzle cleaning needle (provided), remove any obstructions by inserting and carefully moving the pin back-and-forth through nozzle hole under clean running water.

**3.** After cleaning, remove the needle from nozzle and store for future use. Reassemble pressure nozzle to spray gun.

## CLEANING WATER INLET SCREEN FILTER

The pump water inlet has a filter screen that should be checked periodically and cleaned if necessary.

1. Disconnect inlet water hose.

2. Remove filter by grasping end and pull straight out.


3. Clean screen filter by flushing both sides with water.

4. Insert screen filter back inside water inlet port.

**NOTICE:** Do not operate Pressure Washer without water inlet screen filter in place.

## CLEANING THE GENERATOR

Do not store or operate your generator in dirty, dusty, or corrosive environments. Do not allow foreign materials and debris to clog the vents on the unit.

**NEVER** clean the generator with a garden hose. Water can damage the generator's fuel system and electrical components. If the unit needs to be cleaned, use a soft brush and damp cloth to clean the exterior and use low pressure air (no greater than 25 psi) to clean the vents. Never use gasoline as a cleaning agent.

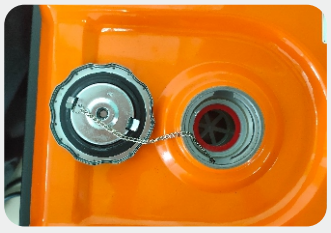
# STORAGE AND TRANSPORT

## GENERATOR STORAGE

If it is stored long-term, in order to prevent aging, you shall take some storage measures.

**1.** Turn the unit off and allow it to cool a minimum of 30 minutes before storage. Keep the unit upright. Do not store the generator on its side. Drain fuel before storing the unit. Store the unit and the fuel separately in well-ventilated areas away from sparks, open flames, pilot lights, heat, and other sources of ignition.

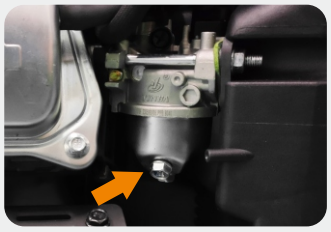
**2.** Gasoline stored for as little as 30 days can deteriorate, causing gum, varnish, and corrosive buildup in fuel lines, fuel passages, and the engine. This corrosive buildup restricts the flow of fuel, which can prevent the engine from starting after a prolonged storage period.
Open fuel tank cap, to take out fuel filter screen. Pump all fuel in fuel tank into special fuel tank, and then reassemble fuel tank cap back.



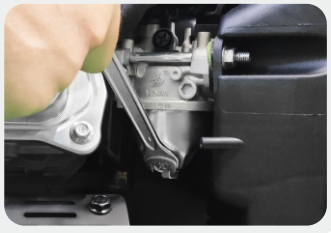
**3.** Start up the engine to burn off fuel in the carburetor, and then shut it down.

***Tip:*** Do not connect any electrical equipment. Running time of the engine depends on remaining fuel in the fuel tank.

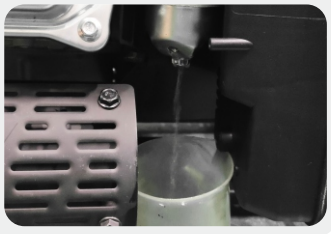
**4.** Locate the carburetor to drain the remaining gasoline and place a suitable container to capture the emitted fuel.



**5.** Loosen the carburetor drain screws until you see fuel draining from the carburetor.



**6.** Allow fuel to drain into the container and tighten the drain screws on the carburetor.



**7.** Unscrew oil dipstick, and drain oil in the crankcase off. Fill new oil to upper oil limit, and then assemble oil dipstick.

**8.** Remove the spark plug and pour 5-10ml of clean oil into the combustion chamber. Turn the crankshaft a few times to distribute the oil, then reassemble the spark plug.

**9.** Gently pull startup handle until you feel resistance, allowing both inlet valve and exhaust valve to be closed.

**10.** Place the generator set in a clean and dry area.

## STORING ACCESSORIES

The pressure washer is equipped with places to store your accessories as shown.
Place spray gun into gun holder.

## WINTER STORAGE

Make sure the pressure washer hose is free of all water before storing for winter. In order to prevent corrosion and keep the water pump from freezing you will need to add RV (non-toxic) antifreeze or similar pump-protection specifically made for pressure washers. Follow the manufacturer's instructions for use.

## GENERATOR TRANSPORT

- When the generator set is transported, it shall be ensured that there is no fuel spilling;
- Do not fill excessive fuel into fuel tank;
- Do not run the generator, and avoid direct sunlight;
- Do not transport the generator set on rough road for long time.

## PREPARATION FOR USE AFTER STORAGE

1. Slowly pull the starter cord a few times to clean oil from the cylinder or to eject any pump protector from the pump which may have been added prior to storage.
2. Remove the spark plug from the cylinder. Wipe oil from the spark plug and return it to the cylinder and re-tighten.
3. Reconnect the spark plug wire.
4. Refuel engine per earlier instructions in this manual.

# TROUBLESHOOTING

| Problem | Possible Causes | Probable Solutions |
|---|---|---|
| Engine will not start | FUEL RELATED: | FUEL RELATED: |
| | 1. No fuel in tank or fuel valve closed. | 1. Fill fuel tank with fresh 87+ octane stabilizer-treated unleaded gasoline and open fuel valve. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).** |
| | 2. Choke not in START position, cold engine. | 2. Move Choke to START position. |
| | 3. Gasoline with more than 10% ethanol used. (E15, E20, E85, etc.) | 3. Clean out ethanol rich gasoline from fuel system. Replace components damaged by ethanol. Use fresh 87+ octane stabilizer-treated unleaded gasoline only. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).** |
| | 4. Low quality or deteriorated, old gasoline. | 4. Use fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).** |
| | 5. Carburetor not primed. | 5. Pull on Starter Handle to prime. |
| | 6. Dirty fuel passageways. | 6. Clean out passageways using fuel additive. Heavy deposits may require further cleaning. |
| | 7. Carburetor needle stuck. Fuel can be smelled in the air. | 7. **Gently** tap side of carburetor float chamber with screwdriver handle. |
| | 8. Too much fuel in chamber. This can be caused by the carburetor needle sticking. | 8. Turn Choke to RUN position. Remove spark plug and pull the start handle several times to air out the chamber. Reinstall spark plug and set Choke to START position. |
| | 9. Clogged Fuel Filter. | 9. Replace Fuel Filter. |
| | IGNITION (SPARK) RELATED: | IGNITION (SPARK) RELATED: |
| | 1. Power Switch at OFF position. | 1. Turn Power Switch to ON. |
| | 2. Spark plug cap not connected securely. | 2. Connect spark plug cap properly. |
| | 3. Spark plug electrode wet or dirty. | 3. Clean spark plug. |
| | 4. Incorrect spark plug gap. | 4. Correct spark plug gap. |
| | 5. Spark plug cap broken. | 5. Replace spark plug cap. |
| | 6. Circuit breaker tripped (electric start models only). | 6. Reset circuit breaker. Check wiring and starter motor if breaker continues to trip. |
| | 7. Incorrect spark timing or faulty ignition system. | 7. Have qualified technician diagnose/ repair ignition system. |
| | COMPRESSION RELATED: | COMPRESSION RELATED: |
| | 1. Cylinder not lubricated. Problem after long storage periods. | 1. Pour tablespoon of oil into spark plug hole. Crank engine a few times and try to start again. |
| | 2. Loose or broken spark plug. (Hissing noise will occur when trying to start.) | 2. Tighten spark plug. If that does not work, replace spark plug. If problem persists, may have head gasket problem, see #3. |
| | 3. Loose cylinder head or damaged head gasket. (Hissing noise will occur when trying to start.) | 3. Tighten head. If that does not remedy problem, replace head gasket. |
| | 4. Engine valves or tappets mis-adjusted or stuck. | 4. Have qualified technician adjust/ repair valves and tappets. |
| | ENGINE OIL RELATED: | ENGINE OIL RELATED: |
| | 1. Low engine oil. | 1. Fill engine oil to proper level. Check engine oil before EVERY use. |
| | 2. Engine mounted on slope, triggering low oil shutdown. | 2. Operate engine on level surface. Check engine oil level. |
| | SPARK ARRESTOR RELATED: | SPARK ARRESTOR RELATED: |
| | 1. Spark Arrestor clogged with soot. | 1. Clean and replace Spark Arrestor. |

**Follow all safety precautions whenever diagnosing or servicing the generator or engine.**

# TROUBLESHOOTING

| Problem | Possible Causes | Probable Solutions |
|---|---|---|
| Engine misfires | 1. Spark plug cap loose.<br>2. Incorrect spark plug gap or damaged spark plug.<br>3. Defective spark plug cap.<br>4. Old or low quality gasoline.<br>5. Incorrect compression. | 1. Check cap and wire connections.<br>2. Re-gap or replace spark plug.<br>3. Replace spark plug cap.<br>4. Use only fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).**<br>5. Diagnose and repair compression. (Use **Engine will not start: COMPRESSION RELATED** section.) |
| Engine stops suddenly | 1. Carbon Monoxide level high. Red light on Carbon Monoxide Sensor illuminates.<br>2. CO Sensor Alarm flashes yellow continually shortly after starting.<br>3. CO Sensor Alarm flashes yellow continually after longer period of operation.<br>4. Low oil shutdown.<br>5. Fuel tank empty or full of impure or low quality gasoline.<br>6. Defective fuel tank cap creating vacuum, preventing proper fuel flow.<br>7. Faulty magneto.<br>8. Disconnected or improperly connected spark plug cap. | 1. Leave area immediately and allow area to ventilate thoroughly. Only operate generator outside.<br>2. Carbon monoxide sensor malfunction. Sensor needs service. Do not use the Generator until the sensor is working properly.<br>3. Make sure to operate generator within rated ambient temperature; maintain minimum 5 ft. clearance from all sides.<br>4. Fill engine oil to proper level. Check engine oil before EVERY use.<br>5. Fill fuel tank with fresh 87+ octane stabilizer treated unleaded gasoline. Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).<br>6. Test/replace fuel tank cap.<br>7. Have qualified technician service magneto.<br>8. Secure spark plug cap. |
| Engine stops when under heavy load | 1. Dirty air filter<br>2. Engine running cold. | 1. Clean element.<br>2. Allow engine to warm up prior to operating equipment. |
| Engine knocks | 1. Old or low quality gasoline.<br>2. Engine overloaded.<br>3. Incorrect spark timing, deposit buildup, worn engine, or other mechanical problems. | 1. Fill fuel tank with fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).**<br>2. Do not exceed equipment's load rating.<br>3. Have qualified technician diagnose and service engine. |
| Engine backfires | 1. Impure or low quality gasoline.<br>2. Engine too cold.<br>3. Intake valve stuck or overheated engine.<br>4. Incorrect timing. | 1. Fill fuel tank with fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).**<br>2. Use cold weather fuel and oil additives to prevent backfiring.<br>3. Have qualified technician diagnose and service engine.<br>4. Check engine timing. |
| Attached device doesn't have power | 1. Device not plugged in properly.<br>2. Circuit Breaker tripped.<br>3. Product needs service. | 1. Turn off and unplug the device, then plug it back in again and turn on.<br>2. Turn off and unplug device, reset Circuit Breaker, plug in device and turn on.<br>3. Have product repaired. |
| Attached device begins to operate abnormally | 1. Problem with device.<br>2. Rated load capacity exceeded. | 1. Immediately unplug device. Have device repaired by a qualified technician, or replace device.<br>2. Lower the number of items plugged into the generator to stay within the rated capacity, or use a more powerful generator. |

**Follow all safety precautions whenever diagnosing or servicing the generator or engine.**

# TROUBLESHOOTING

| Problem | Possible Causes | Probable Solutions |
|---|---|---|
| No pressure or low pressure | 1. No nozzle inserted into wand quick connect fitting.<br>2. Inadequate water supply.<br>3. Hose fitting leaking.<br>4. Nozzle is clogged.<br>5. Air in hose.<br>6. Water inlet filter screen obstructed.<br>7. Choke lever in “START “ position. | 1. See “Selecting The Right Nozzle”.<br>2. Water supply must be 5 GPM @ 20 PSI minimum.<br>3. Check and tighten all hose fittings.<br>4. Clean Nozzle (See “Cleaning Nozzle” on Page 20).<br>5. Squeeze trigger to remove air.<br>6. Remove and clean filter screen.<br>7. Move choke to “RUN” position. |
| Output pressure varies | 1. Not enough water supply.<br>2. Water inlet screen is clogged.<br>3. Nozzle is clogged.<br>4. Nozzle has mineral build up. | 1. Check water supply hose for kinks, leaks, or blockage. Open faucet all the way.<br>2. Remove and clean filter screen.<br>3. Clean Nozzle (See “Cleaning Nozzle”).<br>4. Remove Nozzle and clean with vinegar. |
| Water or Oil Leaking at Pump | 1. Loose connections.<br>2. Worn or broken O-rings.<br>3. Pump head or tubes damaged from freezing. | 1. Check and tighten all connections.<br>2/3. Please submit to an authorized dealer. |
| No intake of detergent | 1. Detergent hose not properly inserted into unit.<br>2. Soap injector hose cracked or split.<br>3. Wrong Nozzle.<br>4. Injector turned off.<br>5. Injection hose strainer clogged.<br>6. Nozzle blocked.<br>7. Dried detergent in injector. | 1. Replace hose.<br>2. Push firmly onto injector fitting.<br>3. Switch to black SOAP nozzle.<br>4. Turn on injector.<br>5. Clean hose and strainer.<br>6. Clean nozzle.<br>7. Dissolve by running warm water through the injection hose. Run clean water through injector until clear. |
| Water leaking at spray gun connection | 1. Loose hose connection.<br>2. Worn, broken or missing O-ring. | 1. Check and tighten all connections.<br>2. please submit to an authorized dealer. |

# TECHNICAL PARAMETERS

| Item | GM4000Xi-2in1 |
|---|---|
| Rated Power (kW) | 3.2 |
| Max. Power (kW) | 4.0 |
| Pressure | 2200PSI/152bar |
| Flow | 1.5GPM/5.7LPM |
| Engine Model | 170F/P-V |
| Valve Clearance | Input valve：0.10~0.15 mm, Output valve：0.15~0.20 mm |
| Stroke x Bore (mm) | 70x55 |
| Engine Type | 4-stroke |
| Displacement (cc) | 212 |
| Gas Distribution Mode | OHV |
| Cooling Mode | Forced cooling wind |
| Rated Speed (RPM) | 3600 |
| Starting Method | Recoil start |
| Fuel Tank Volume (gal) | 4.0(15L) |
| Fuel Type and Grade | Vehicle-use unleaded gasoline |
| Lubricating Oil Capacity (gal) | 0.16(0.6L) |
| Lubricating Oil Model | SAE 10W/30 |
| Noise dB (at 7m)(25% load) | 70 |
| Rated Voltage (V) | 120 |
| Rated Frequency (Hz) | 60 |
| Rated Power Factor | 1 |
| Phase Number | Single phase |
| Run Time @ 25% (h) | 15.3 |
| Fuel Consumption Rate (25% load)(L/h) | 0.98 |
| Fuel Consumption Rate (100% load)(L/h) | 1.8 |
| THD | ≤23% |
| Overall Dimension (in.) | 23.4×19.5×18.8(595×495×478) |
| Net Weight (lb.) | 101.4(46kg) |

GENMAX®

# CHOOSING A GENERATOR

## QUICK REFERENCE WATTAGE

| Power Rating | Tool or Appliance | Running Watts | Starting Watts |
|---|---|---|---|
| 1200 – 1800 Running Watts | Blender | 300 | 650 |
| | Coffee Maker | 1500 | |
| | Drill | 600 | 900 |
| | Fan | 200 | |
| | Furnace 1/4 hp | 600 | 1000 |
| | Game console | 150 | |
| | Hand sander | 600 | 1200 |
| | Hedge trimmer | 450 | 1200 |
| | Lamp | 100 | |
| | Laptop | 800 | |
| | LED/LCD TV | 150 | |
| | Microwave | 1000 | |
| | Modem/router | 20 | |
| | Paint sprayer | 600 | 600 |
| | Radio | 100 | |
| | Slow cooker | 200 | 200 |
| | String trimmer | 350 | 875 |
| | Sump Pump 1/3 hp | 800 | 1300 |
| | Work light | 1000 | |
| 2800 – 3800 Running Watts | Belt sander | 1200 | 2400 |
| | Chainsaw | 1200 | 2400 |
| | Circular saw | 1200 | 2000 |
| | Edger | 950 | 2400 |
| | Electric grill | 1650 | |
| | Lawn mower | 1200 | 2400 |
| | Pressure washer | 1200 | 2400 |
| | Refrigerator | 700 | 2200 |
| | Washing machine | 1150 | 2250 |
| | Well pump | 1000 | 2100 |
| | Window AC 13k BTU | 1800 | 2800 |
| 5500 – 12,000 Running Watts | Air compressor 1 hp | 1600 | 4500 |
| | Central AC 3 ton | 5400 | 7200 |
| | Electric Dryer | 5400 | 6750 |
| | Heat Pump 3 ton | 3400 | 6500 |
| | Water heater | 4000 | |

†Chart for reference only. Check your device for ACTUAL wattage requirements.

## HOW TO CALCULATE

**Running Watts** needed:
Total Running Watts of ALL items to be powered by the generator.

**Starting Watts** needed:
Add highest SINGLE Starting Watt to Total Running Watts needed above.

## EXAMPLE

### 1 Calculate Running Watts:

| | |
|---|---|
| Furnace | 600 |
| Lamp | 100 |
| Microwave | 1000 |
| Refrigerator | 700 |
| **Total Running Watts** | **2400** |

### 2 Calculate Starting Watts:

| | |
|---|---|
| Total Running Wattage | 2400 |
| Refrigerator | 2200 |
| **Total Starting Watts** | **4600** |


In production management, based on orderly, efficient, scientific principles. trying to do as better as possible in product design, development, production, inspection,etc. to make our production can keep orderly . And will continue to make improvement to make sure that keep the competitiveness.

**Welcome friends at home and abroad to visit and guide, work together to create brilliant.**

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