

SIP Industrial Products Limited
Gelders Hall Road
Shepshed
Loughborough Leicestershire
LE12 9NH
United Kingdom

ISG2202 Digital Inverter Generator

SIP Code 25401



For help or advice
please contact your
distributor, or sip directly on:
Tel.: 01509 500400
Email: sales@sip-group.com
or technical@sip-group.com
www.sip-group.com

Safety Instructions	4 - 7
Getting To Know Generator	8
Guarantee	9
Contents & Accessories	9
Operating Instructions	10 - 14
Transportation & Storage	15
Maintenance	16 - 18
Troubleshooting	19 - 20
Technical Specification	21
EU Declaration of Conformity	22
UK Declaration of Conformity	23

 Due to continual product development, the actual product may differ slightly from the product pictured.



COMPLETE WARRANTY STATEMENT – GENERATORS

As soon as you have purchased the generator, we recommend that you check to make sure it is intact and that you read the operating instructions carefully before using it. The purchase receipt for this product is to be retained and must be presented if making a claim under the terms of the warranty.

This warranty does not cover generators intended for hire or use in commercial applications or in commercial premises. The warranty will under no circumstances extend to reimbursement or payment of damages, whether direct, indirect or consequential. The warranty is void if there is evidence the generators has been modified or tampered with in any way or used with unauthorised accessories without our consent.

LUBRICATION OF ENGINE

Your engine comes with NO oil in the sump. You will need to add engine oil, refer to pages 8 and 10 for complete details and images. Failure to do this may result in damage to the engine, generator and/or injury to the user.

GENERAL SAFETY INSTRUCTIONS

Before attempting to operate this generator the following basic safety precautions should be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual and to understand applications, limitations and potential hazards associated with this generator. It is important that you read, understand and follow these instructions very carefully. They are designed for the safety of yourself and others ensuring a long and trouble free service life from your generator. This generator is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

OPERATING ENVIRONMENT

NEVER use your generator indoors. Your generator produces deadly carbon monoxide and this is harmful and can cause death. Only use your generator in well ventilated areas like the outdoors. Do not expose your generator to rain or use in damp or wet locations. Do not expose your generator to direct sunlight. Keep the work area well lit. Do not use your generator in areas where there is a risk of explosion or fire from combustible materials, flammable liquids, paint, varnish, petrol, etc flammable gases and dust of an explosive nature. As a precaution it is recommended that you consult an expert on selecting and using a suitable fire extinguisher and have it available for use in an emergency when operating the generator.

GUARD AGAINST ELECTRIC SHOCK

Never touch the generator with wet or damp hands as electric shock may occur. Always ensure your generator is connected to ground, i.e. Earthed with a earth stake.

BEWARE OF CHILDREN & PETS

Children and pets should be kept out of the operating area. Children should not be allowed to touch or operate generators or touch extension cords. All generators should be kept out of reach of children. When NOT in use keep the generator preferably stored or locked in a secure well ventilated cabinet or room with the fuel tank empty.

SELECT A GENERATOR WITH A SUFFICIENT RATING

Select the right generator for the job. Do not use a generator to do a job for which it was not designed. Do not force a small generator to do the job of a heavy duty generator. Any damage caused by overloading will void the warranty. Do not use generators for purposes not intended.

PROTECT POWER LEADS FROM DAMAGE

Always disconnect power cords from a power supply socket by pulling the plug. Never pull on the cord. Keep the power lead away from heat, oil, solvents and sharp edges. If a power lead becomes damaged have it replaced by an authorised service facility.

FUEL - UNLEADED PETROL

Fuel used in this generator is poisonous. Always wear approved breathing protection when decanting fuel. If you get any fuel on your skin or clothes wash the affected area immediately with soap and water and change your clothes. If you get fuel in your eyes wash immediately with clean water and seek medical attention. If any fuel is swallowed DO NOT induce vomiting, seek immediate medical attention.

HOT COMPONENTS

Beware many of the components will get hot during use. Never touch any of the metal pipes, pump or motor as these may burn.

MAINTAIN YOUR GENERATOR WITH CARE

When not using your generator ensure the fuel cock is 'OFF'. Never leave the fuel cock 'ON' as this can damage the carburettor. Follow the instructions for lubricating and changing accessories. Keep handles clean, dry and free from oil and grease. Ensure that ventilation slots are kept clean and free from dust at all times. Blocked ventilation slots can cause overheating and damage to the motor. Ensure that the air and fuel filters are kept clean at all times.

FIRE PRECAUTIONS

Always contact your fire authority before using the generator on fire restricted days. It is not recommended to use your generator when a total fire ban is in force. Never refuel your generator while it is still running. Never connect your generator to a commercial or domestic power outlet. As a precaution it is recommended that an expert is consulted on obtaining and using a suitable fire extinguisher.

CLEANING YOUR GENERATOR

Always stop your generator before you commence cleaning. Always ensure that your generator has cooled, about one (1) hour, before cleaning and storing. When cleaning your generator use only a damp soft cloth. NEVER use liquid or solvents of any type. All areas can be wiped down.

EXTENSION CABLES & REELS

Inspect extension cables periodically and replace if damaged. Never use damaged extension cables as these may cause injury. Always unwind any extension cables fully before plugging into mains power supply. Protect your extension cables or reel from sharp objects, excessive heat, damp conditions or wet locations. Always use a '3' core extension cable or reel with this generator. Only heavy duty extension cables intended for and marked "outdoor" use, which are no longer than 20m.

GENERATOR 'EARTHING'

Always ensure that this generator is "Earthed" correctly before using. "Earthing" stake and wire has been supplied with this generator ensure it is used to ensure your safety, see page 11.

CHECK DAMAGED PARTS

Before using the generator it should be carefully checked to determine that it will operate properly and perform its intended function.

Check for broken or missing parts and have them replaced or repaired at an authorised service facility. Check any other condition that may affect the operation of the generator. A guard or any other part of the generator that is damaged should be properly repaired or replaced by an authorised service facility unless otherwise indicated in this instruction manual.

Any switch that does not operate correctly must be replaced by an authorised service facility.

DO NOT use the generator if the 'ON / OFF' motor switch does not turn the generator 'ON' and 'OFF'.

PERSONAL SAFETY

Clothing

Do not wear loose clothing, jewellery or anything that could get caught in moving machinery. Gloves may be worn when filling generator with fuel.

Hair

Long hair should be tied back or contained in a protective covering.

Eye Protection

The use of safety goggles is highly recommended (normal glasses are not sufficient for eye protection) when using or refuelling generators. Prescription glasses do not have safety lenses.

Footwear

Where there is the risk of heavy objects or if there is a risk of slipping on wet or slippery floors, suitable non-slip, covered, safety footwear should be worn. Protect your feet from dropping accidents.

Ear Protection

The use of ear protection is highly recommended when using generators. The continual noise may damage your ears.

Respiratory Protection

Always wear approved breathing protection when decanting fuel. ALWAYS use this generator in well ventilated area. Never use indoors.

Warning! Do not breathe in exhaust fumes. Exhaust fumes are poisonous and may cause drowsiness, unconsciousness and even death.

Do Not Over Reach

Do not over reach. Keep a proper footing and maintain your balance at all times. Avoid using abnormal stances and awkward body positions.

Stay Alert

Watch what you are doing, use common sense, and never operate a generator when you are tired, drinking alcohol, taking drugs or if taking medication that causes drowsiness.

SPECIFIC SAFETY INSTRUCTIONS

Warning! Do not use the generator in areas where there is a risk of explosion or fire from combustible materials. The sparks possibly caused when using this generator may ignite combustible materials as well as flammable liquids, paint, varnish, petrol, flammable gases and dust of an explosive nature. As a precaution it is recommended that you consult an expert on a suitable fire extinguisher and its use. Ensure that the work area is kept clear of combustible materials.

Warning! Do not use the generator indoors or in confined spaces where exhaust gases, smoke or fumes could reach dangerous concentrations.

- Never connect this generator to a second generator.
- Never connect this generator to Commercial or Domestic power supply.
- Always use the generator in an open well ventilated area.
- Unit will become hot during use. Please keep generator at least one metre (1m) away from buildings, other equipment, pedestrian areas or flammable materials.
- Never pull the re-coil starter once the generator engine has started. Any damage caused will not be covered by warranty.
- Never start or stop the generator with any appliances attached.
- Ensure the generator has stopped before servicing, or lubricating etc.
- Do not attempt to modify the generator, guards or the supplied accessories in any way.
- Do not touch the exhaust. This can become very hot during operation and can cause serious burns.
- Always check the generator for damaged parts or fuel leaks, ensure these are fixed before using it.
- Never refuel while smoking or in the vicinity of an open flame.
- Always wear safety eye wear, ear and breathing protection when operating or refuelling the generator.
- To avoid a fire if you spill fuel while refuelling, clean up before starting the generator.
- Never operate or store the generator on its side, ALWAYS operate or store in an upright manner on firm, solid ground.
- Your generator is factory set, NEVER attempt to speed it up as this could endanger the user and damage the generator and/or attached appliances.
- Never operate the generator in damp, wet or flooded conditions.
- Before plugging appliances into the generator allow it to run up to full speed.
- If the generator makes an unfamiliar sound or vibrates excessively, switch the generator 'OFF' immediately. Investigate the possible cause or consult your authorised service agent.
- Do not use ANY type of coolant on the generator as a fatal electric shock could occur.
- Never use coolant in the generator as damage may occur.
- Do not touch the generator with wet hands as this may cause electrocution.
- Never use your generator on highly conductive surfaces. e.g. Steel walk ways, metal roof or metal bench, as this could cause an electric shock.
- Always operate your generator at least two (2) metres away from conductive surfaces.
- Locate this generator in a convenient place, avoid using long extension leads.
- If an extension lead is used, avoid leaving it where it may be damaged by pedestrian or vehicular traffic or cause a trip and fall hazard.
- Always observe normal safety precautions with ALL appliances used with this generator.
- Never transport the generator with fuel in the tank. ALWAYS empty the fuel tank.
- All loads must be kept within the ratings stated on the name plate. Overloading the generator will damage the unit or shorten its life. This will not be covered under warranty.
- Do not tamper or alter any parts as this may cause personal injury or damage the generator.
- Always disconnect any loads before starting or stopping the generator.
- When storing the generator always store in a secure well ventilated area.
- Always store in an upright position. NEVER store or lay this generator on its side.



IMPORTANT ELECTRICAL DATA

This generator is fitted with a sealed electrical connection socket that is compatible with the generator. If the electrical connection socket becomes damaged it must be replaced with a complete assembly that is identical to the original, and this must be replaced by an authorised service agent. Never connect to an external power supply. If in doubt always consult a qualified electrician.



FUEL ONLY USE UNLEADED PETROL

Fuel tank capacity – 4 litres (4 L)

Use of incorrect fuel and/or oil may damage the generator and will not be covered under warranty.

Do not use high octane fuels (greater than 91%) as this will damage the generator and will not be covered under warranty.

- Ensure you use clean fresh unleaded petrol
- Use a clean approved container to store your unleaded petrol in before decanting into the fuel tank.
- If contaminated (dirty) or old (stale) fuel is used any damage caused will not be covered under warranty.



OIL CHECK DAILY - ONLY USE 4-STROKE MOTOR OIL

To operate, this generator requires oil in the sump, not supplied. If the generator does not have the correct level of oil in the sump, it will not run, see note below.

Oil capacity – approximately six hundred milliliters (0.60 L or 600 mL)

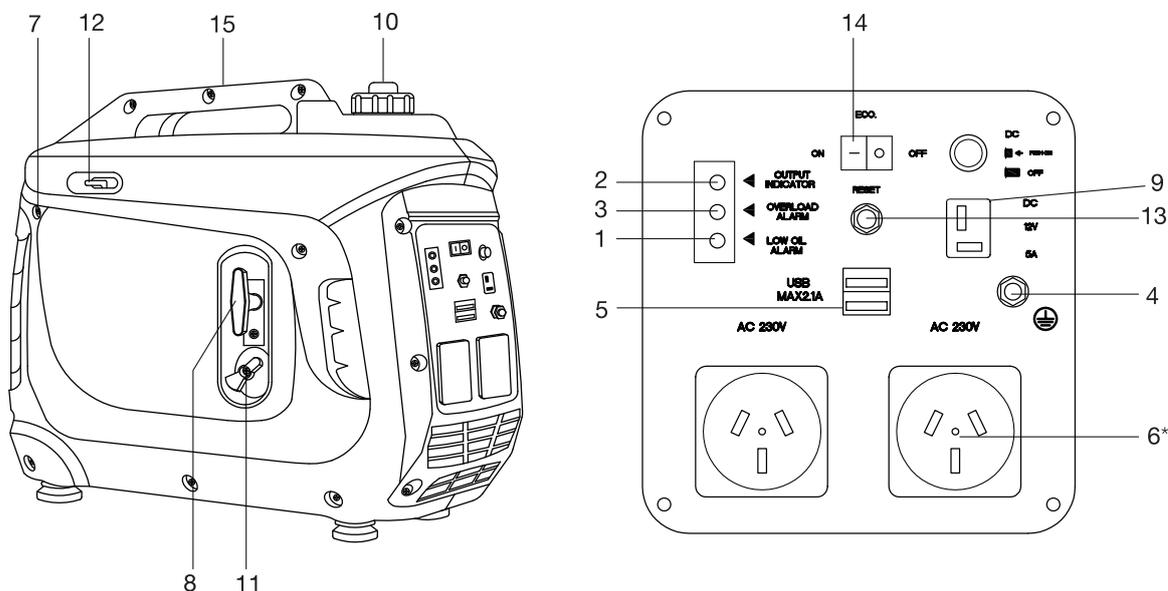
Oil type – SAE 30W or SAE 15W-40 4-stroke motor oil. Non-detergent or 2-stroke engine oils will damage the engine and should not be used.

- Always check oil level before using.
- Always use fresh clean oil.
- Change oil every 50 hours or every 3 months.
- If contaminated (dirty) or old (stale) oil is used any damage caused will not be covered under warranty.
- **NOTE:** This generator is fitted with an oil cut out switch and red warning light. If the oil level is empty or low then the generator WILL NOT start or run and the low oil light will glow when the recoil is pulled.

Always check the oil level before starting the generator.

Never check or add oil while the generator is running.

PIC. 1



COMPONENTS & CONTROLS (PIC.1)

1. Low oil level indicator (yellow): this light is off when the engine is off or when in normal operation with adequate oil.
- A. If the engine is low on oil when you shut it down, the engine will fail to start up. The yellow light will turn on when you attempt to pull-start the engine (usually visible at the moment of start up).
- B. If the engine runs low on oil during operation, the engine will automatically stop running within 10 seconds.

2. Output indicator (green): This light is on when power supply is normal.

In any of the cases, when the red light turns on the power supply will be disconnected automatically. The user needs to stop the engine and resolve the problem before the power supply will be restored.

3. Overload indicator (red): This indicator light is on when the generator is overloaded, check attached products power, refer to page 13.
4. Earth bolt point for earth lead
5. 5V USB socket
6. AC socket *Fitted with 2 x UK sockets
7. Air filter and oil sump access panel
8. Recoil starter grip
9. DC 12V Output and Protector
10. Fuel cap and vent lever
11. Fuel valve
12. Choke lever
13. Reset to restart the engine when overloaded
14. ECO Mode switch
15. Spark plug panel

GUARANTEE

These generators are covered by a 24 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the machine outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges including, but not limited to parts, labour and carriage costs.

This guarantee does not cover:-

- Commercial use of generator.
- Use of Generator for hire.
- Use of generator in a commercial premises.
- Damage caused by incorrect oil.
- Damage caused by incorrect fuel.
- Damage or deterioration due to transport.
- Damage caused by negligence, misuse, abuse or accident or incorrect voltage and wattage.
- Any corrosion or rusting.
- Damage caused by incorrect set up and start up. Replacement parts due to general wear and tear.
- Generators with serial number defacement, modification or removal.
- Generators which have been serviced by anyone other than an authorised SIP service agent.
- Generators with no original purchase receipt.
- Generators which have been sold-on, not original purchaser.
- Damage due non-servicing of generator as is required by this manual.
- Blockages / damage caused by dust, dirt, etc.
- Damage caused by the incorrect fitting of accessories.
- Damage caused by overloading, overworking the generator.
- Damage to attached equipment or third party accessories.
- Damage caused by attached equipment or third party accessories.
- Consumables such as filters & spark plugs etc.

In the unlikely event of warranty claims, contact your distributor or contact our help line on the back page of this manual. Proof of purchase will be required before any warranty can be honoured.

CONTENTS & ACCESSORIES

25401 SIP ISG 2202 Inverter Generator
Oil Filler Bottle
Tool Kit inc Screwdriver & Spark Plug socket

What's required:-

4 Stroke motor oil SAE30W or SAE15W40
Unleaded Petrol @ 4L



OPERATING INSTRUCTIONS

UNPACKING

Carefully unpack your generator. This generator is heavy (19kg) and may require two (2) people to lift. Dispose of all packing material in an environmentally responsible manner.

Open carton, gently lift the generator clear of the carton and packaging, this may require 2 people. Remove from plastic bag.

NOTE: Plastic bags can be a danger to young children, dispose of immediately. Always dispose of packaging in a responsible manner.

ASSEMBLY

This generator requires no assembly, however the motor requires oil, SAE 30W or SAE 15W-40, to be added to the sump before you can use, refer to page 7 for specific details.

ADDING LUBRICATING OIL

Always use clean fresh oil as specified on page 7. Incorrect or old oil can cause the generator to run rough and damage the motor; this will not be covered by warranty.

1. Ensure that engine is OFF when filling oil.
2. Remove access panel screw and then remove panel.
3. Use oil as detailed on page 8, SAE 30W or SAE 15W-40 4-stroke motor oil.
4. Ensure generator is level when filling with oil.
DO NOT TIP - USE A FUNNEL (NOT SUPPLIED)
5. Remove oil filler cap, Pic. 2.
6. Only fill oil to the mark 'H' on the dip stick, Pic. 3.
7. Ensure that the oil filler cap is screwed on tightly.
8. Fit access panel and secure with screw before attempting to start generator.

WARNING! Over filling the oil can damage the generator, this damage will not be covered under warranty.

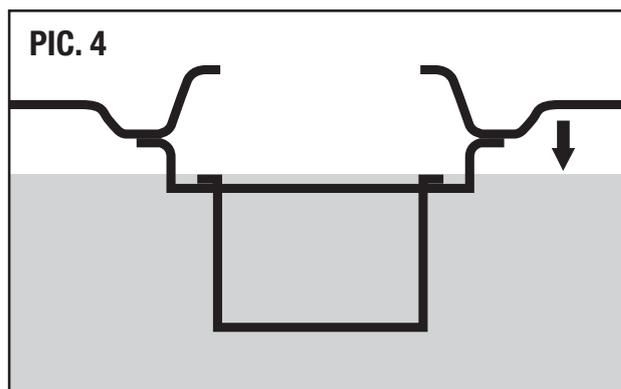
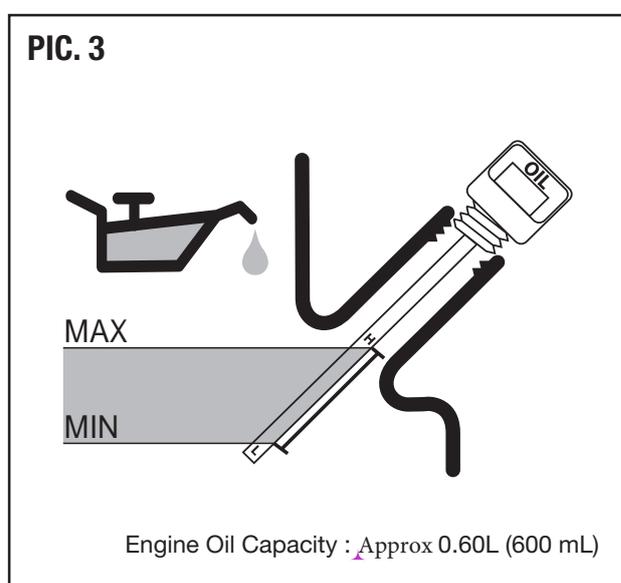
NOTE: Check oil daily and especially before use.

FILLING THE FUEL TANK UNLEADED PETROL

Always use clean fresh fuel as specified on page 7. Stale fuel can cause the generator to run rough and damage the motor; this will not be covered by warranty.

1. Ensure the engine is OFF.
2. Ensure the fuel/engine switch is OFF.
3. Use fresh fuel as detailed on page 8, unleaded petrol.
4. Do not fill fuel tank above the fuel filter, Pic. 4.
5. Ensure that the fuel tank cap is screwed on tightly.

To drain fuel refer to page 18.





GENERATOR 'EARTHING'

Always ensure that this generator is "Earthed" BEFORE starting and using.

1. Ensure that engine is OFF when fitting a "Earth" stake and wire.
2. Attach the wire to the "Earth" point on the generator, see Pic. 5.
3. Push the attached stake into the ground. Ensure that this is not a trip hazard when near the generator.
4. Ensure the generator is OFF and cool before removing the "Earth" stake and wire.

FUEL CAP BREATHER

This generator is fitted with a sealable fuel cap, Pic. 6A.

Seal the fuel cap for storage or transport - rotate the lever to OFF.

For using the generator the fuel needs to breathe - rotate the lever to ON.

STARTING YOUR GENERATOR

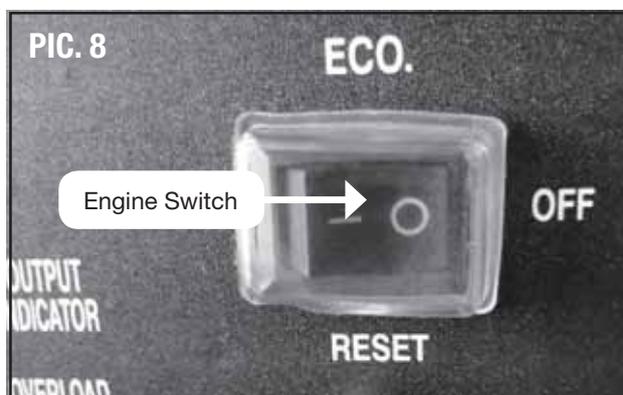
Warning! Never start your generator without a "earth" stake attached or with electrical appliances or power leads attached.

1. Ensure a "Earth" stake and wire are attached, Pic. 5.
2. Turn the fuel cap breather lever clockwise to ON.
Note: If fuel cap breather is not on generator will not operate correctly.
3. Turn the fuel tap anti-clockwise to ON, Pic. 6.
4. Turn choke to CLOSED / START by sliding the choke lever to the right, Pic. 7.
5. Turn the engine switch to ON, Pic. 8.

ECO SWITCH (PIC.8)

When this switch is turned ON your generator will use less fuel, however only switch ON with an attached load less than 400W.

If a load is higher than 400W switch to OFF.



6. Hold down the generator firmly with one hand on the frame, then pull the recoil starter slowly until engaged, then pull briskly, Pic. 9. This step may need to be repeated until generator engine starts, this can take up to about 12 pulls.

Warning! Never pull the recoil once the engine has started. Any damage caused will not be covered under warranty.

7. Allow engine to run up to speed, this usually takes up to about 5-10 seconds.
8. Slowly turn choke to OPEN / RUN by sliding the choke lever to the left, Pic. 10.
9. Check that the only illuminated light is the green output power light. The generator will be running and ready for use.

WARNING! Before connecting any electrical load to the generator ensure that the load does not exceed the maximum load as stated on the rating plate and also check page 12 for extra details.

Ensure that the mains supply lead is long enough to reach the generator without any strain.

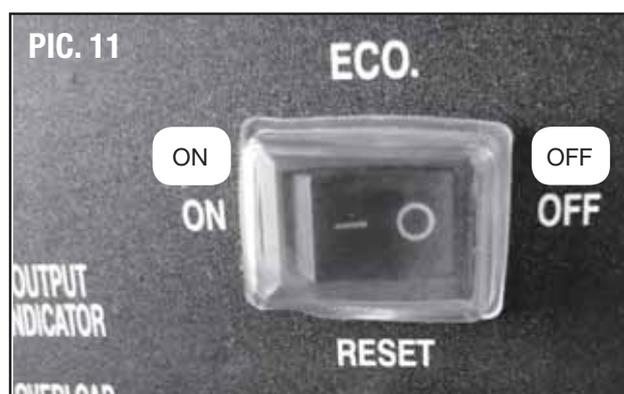
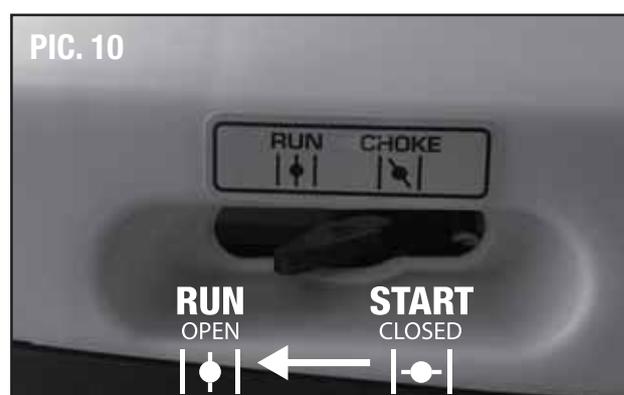
STOPPING YOUR GENERATOR

Warning! Never stop your generator with electrical appliances or power leads attached. Always remove power leads and appliances before stopping your generator.

WARNING! In case of emergency, the easiest way to stop the generator is to directly turn engine switch to OFF position.

Avoid doing so in non-emergency circumstances as it carries the risk of damaging the generator.

1. Ensure all power leads and appliances have been switched off and disconnected from the generator power socket.
2. Allow generator to run for 1-2 minutes, this allows the generator to cool down.
3. Switch engine switch to OFF, Pic. 11.
4. Turn the fuel tap to OFF, Pic. 12.



USING YOUR GENERATOR

AC OUTLET

Your generator is equipped with a 240V AC power socket. This will run a range of devices providing they are within the limits of the generator's output.

NOTE: The peak (surge) power requirements of some devices e.g. Fridges, Televisions, etc; can be up to seven (7) times greater than their rated (continuous) power. Do not over load your generator. The device wattage can be found on the data label (see Pic.13). A basic guide is listed below for some common products.

You can use any combination of appliances provided that you do not exceed the limits of your generator. For this generator never exceed 800W in total when combining multiple different appliances.

NOTE: When using multiple devices only start one device at a time.

Your Generator AC Limits

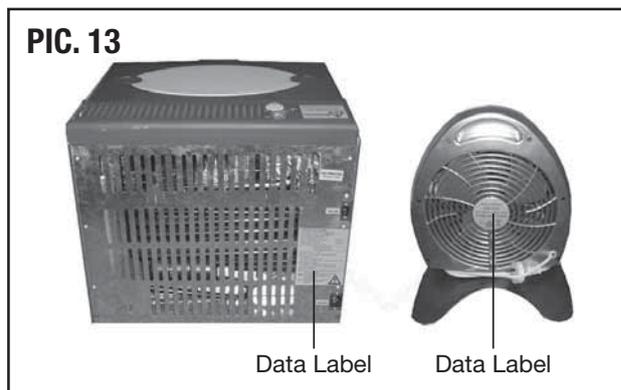
Rated (continuous) power - 1800W Peak (surge) power - 2000W

Note: Long extension leads may reduce the effectiveness of your generator's supply power.

To use the 240V AC outlet

1. Check that the only illuminated light is the green output power. If not turn to page 14, 19 or 20 and fix the problem before using the generator.
2. Lift the flap and plug your appliance into the outlet socket on the face plate.
3. Turn the appliance on and use as per the manufacturer's manual.
4. When finished turn your appliance off.
5. Disconnect appliance from the generator and the flap should close automatically.

NEVER leave any appliances plugged into your generator, always disconnect when appliance is not in use.



Suggested Device	Maximum Wattage	Suggested Wattage
Bayonet/Screw in globes (home use)	Up to 900W	Maximum of 18 x 50W globes
Florescent tubes	Up to 560W	Maximum of 28 x 20W globes
Halogen lights	Up to 1800W	
Power tools	Up to 100W	
Laptop computer	Up to 350W	
DVD/Video players	Up to 300W	
Portable television	Up to 150W	
Portable television & DVD/Video player combination	Up to 350W	
AC/DC Camping fridge	Up to 600W	
Cooling fans	Up to 300W	
Heating	Up to 500W	
Radio/CD player	Up to 500W	
MP3 player	Up to 500W	
Mobile phone charging	Up to 300W	
Hand held games charging	Up to 300W	

You can use any combination of appliances provided that you do not exceed the limits of your generator.

For this generator never exceed 800W in total when combining multiple different appliances.

OUTPUT INDICATOR LIGHT

Green light will always glow when power supply is good. If it goes out, and the red light glows, it will generally be due a power overload, see page 13 and below.

SAFETY DEVICES

AC OUTLET

Your generator is equipped with an output indicator light, see above. When this light goes out, and the red light glows, then the generator will produce NO POWER.

To restart the power supply;

1. Remove the appliance, check the wattage, page 13.
2. Stop the generator, see page 12.
3. Wait 2 minutes.
4. Start generator, see page 11, ensure the green output indicator light is illuminated.
5. Re - attach the appliance.
6. If the output indicator light goes out and the red light glows and the output power stops then the attached appliance is either faulty or the appliance's required power is greater than the generator's output, check the appliance's wattage requirements. See page 13

12V DC OUTLET

Your generator is equipped with a DC output circuit breaker. This circuit breaker will "pop" out if the attached appliance is either faulty or the appliance's required power need is greater than the generator's DC power output.

To reset the circuit breaker and restart the power supply;

1. Remove the appliance.
2. Stop the generator, see page 12.
3. Wait 2 minutes.
4. Push the circuit breaker back in, it should stay in. If not the circuit breaker is still over heated, allow to cool down for another 2 minutes before trying again to push it in.
5. Start generator.
6. Re - attach the appliance.
7. If the circuit breaker "pop's" out again and the power stops then the attached appliance is either faulty or the appliances required power is greater than the generators output, check the appliances power requirements.

LOW OIL LIGHT

While generator is running, if the oil level in the motor sump drops to a dangerously low level, then the oil light (yellow) will glow and after about 10 seconds the generator will automatically stop.

If the oil level in the motor sump is dangerously low, then the generator will not start, however the low oil light will flicker only when the recoil starter is pulled.

If your generator will not start always check the oil level first.

To add oil or check the oil level, refer page 10.

STORAGE

If the generator is not to be used or is to be stored for more than one month the following storage procedure should be carried out. Drain all the fuel from the fuel tank (refer to page 18) and the carburettor (see below), ensure that all the fuel has been drained.

Remove the spark plug and pour approximately one tablespoon full of clean engine oil into the spark plug hole.

With the ignition turned OFF gently pull on the recoil starter cord several times. Re-fit the spark plug and continue to pull the recoil starter cord until the piston is on the compression stroke (when resistance is felt) then stop pulling.

Store the generator in a dry well ventilated place under a cover to prevent any dust or debris from accumulating on the generator.

DRAINING THE CARBURETTOR

1. Start the generator.
2. Turn the fuel switch OFF.
3. Turn the fuel cap breather lever to OFF.
4. Ensure the generator is NOT in "Eco" mode, ECO switch OFF
5. Keep the generator running until it runs out of fuel which may take around 3 minutes.

When preparing the generator for storage, follow the guidelines below.

Storage Time	Prior to Storing
Less than 1 month	No special preparation is required
1 to 2 months	Empty fuel from fuel tank Drain fuel from carburettor
2 months to 1 year	Empty fuel from fuel tank Drain fuel from carburettor
1 year or more	Empty fuel from fuel tank Drain fuel from carburettor Remove spark plug Put a tablespoon of engine oil into the cylinder through the spark plug hole. Turn the engine slowly with the pull rope to distribute the oil Reinstall spark plug Change engine oil

*Use unleaded fuel stabilisers formulated to extend storage life. For recommendations, contact your nearest authorised service centre.

MAINTENANCE CHART

Item	Remark	Pre-operation check (daily)	Initial 1 month or 20 hours	Every 3 month or 50 hours	Every 6 month or 100 hours	Every 12 month or 200 hours
Spark plug	Check condition Adjust gap and clean Replace if required			●		
Engine oil	Check oil level	●				
	Replace		●	●	●	●
Air filter	Clean Replace if required			●		
Fuel filter	Clean fuel cock filter Replace if required					●
Valve clearance	Check and adjust when engine is cold					●
Fuel line	Check fuel hose for cracks or damage Replace if required	●				
Exhaust system	Check for leakage Tighten or replace gasket if required	●				
	Check exhaust screen Clean and replace if required					●
Carburettor	Check choke operation	●				
Fittings/ Fastenings	Check all fittings and fixtures and tighten if required					●

MAINTENANCE

CHECKING/CLEANING THE AIR FILTER

For proper performance and long life, keep air filters clean.

1. Loosen access panel screw and remove panel.
2. Lift up both air filter clips (Pic. 15).
3. Remove air filter box (Pic. 16).
4. Remove air filter box cover and air filter element (Pic. 17).
5. If the filter elements are dirty, clean with warm, soapy water. Rinse and let dry.
6. Apply a light coat of engine oil to the elements, then squeeze it out.
7. Replace the element in the air filter box.
8. Replace air filter box cover.
9. Refit air filter box and secure with both air filter clips.
10. Replace access panel and tighten screw.

NOTE: Do not run the generator without the air filter. Rapid engine wear will result.

SPARK PLUG MAINTENANCE

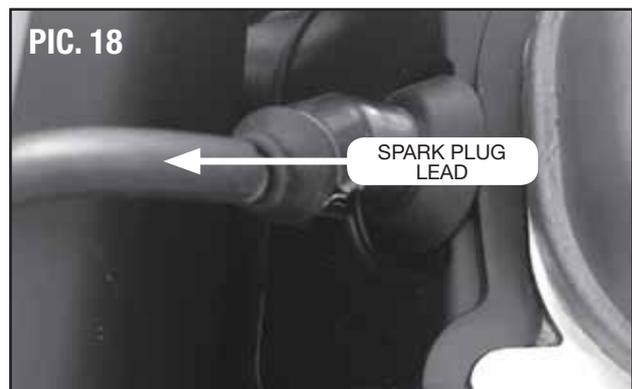
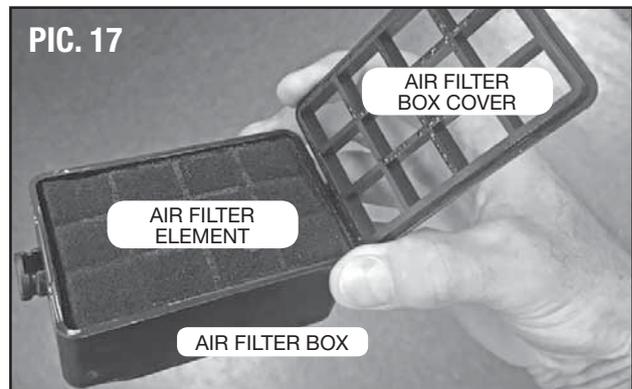
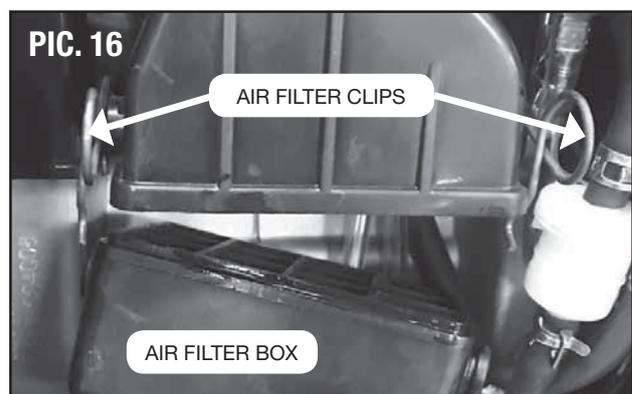
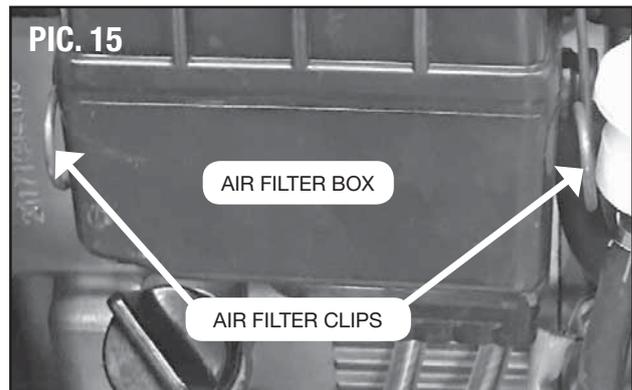
The spark plug must be properly gapped and free of deposits in order to ensure proper engine operation.

To check:

1. Remove plug panel screw and remove panel.
2. Remove the spark plug cap (Pic. 18).
3. Clean any dirt from around base of spark plug.
4. Remove spark plug using socket provided (Pic. 18).
5. Inspect spark plug for damage, and clean with a wire brush before reinstalling. If insulator is cracked or chipped, spark plug should be replaced. Make sure electrode gap is 0.60mm-0.80mm.

NOTE: If replacing, use the following recommended spark plug: A7RTC.

6. Screw spark plug back by hand, avoid damaging threads of the cylinder.
7. Put the spark plug back in position and use the spark plug socket to tighten it. If spark plug is new, use 1/2 turn to compress washer appropriate amount. If reusing old spark plug, use 1/8 to 1/4 turn for proper washer compression.
8. Replace spark plug cap.
9. Replace plug panel and secure with screw.



CLEANING THE EXHAUST PORT & MUFFLER

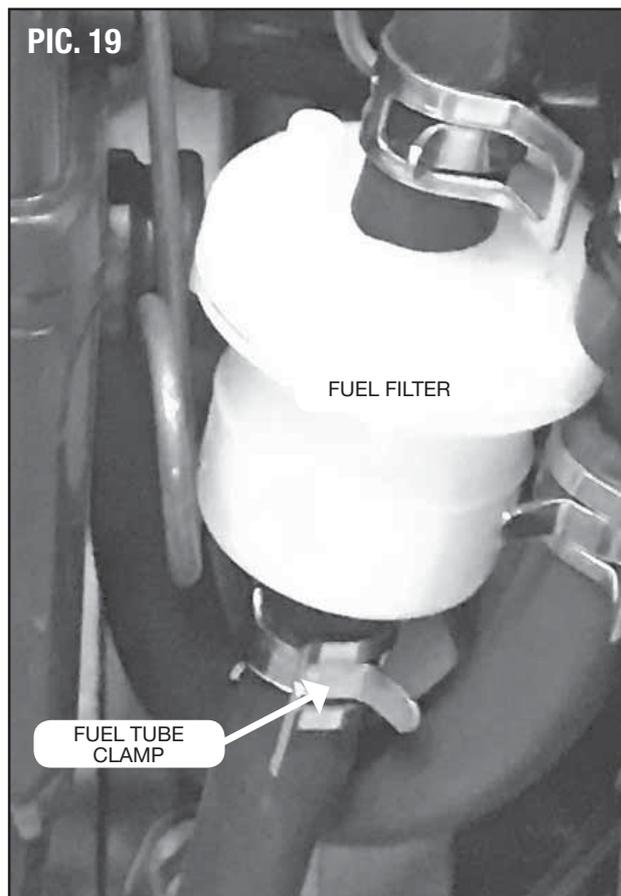
Depending on the type of fuel used, the type and amount of oil used, and/or your operating conditions, the exhaust port and muffler may become blocked with carbon deposits. If you notice a power loss with your petrol-powered tool, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

CLEANING THE FUEL TANK FILTER

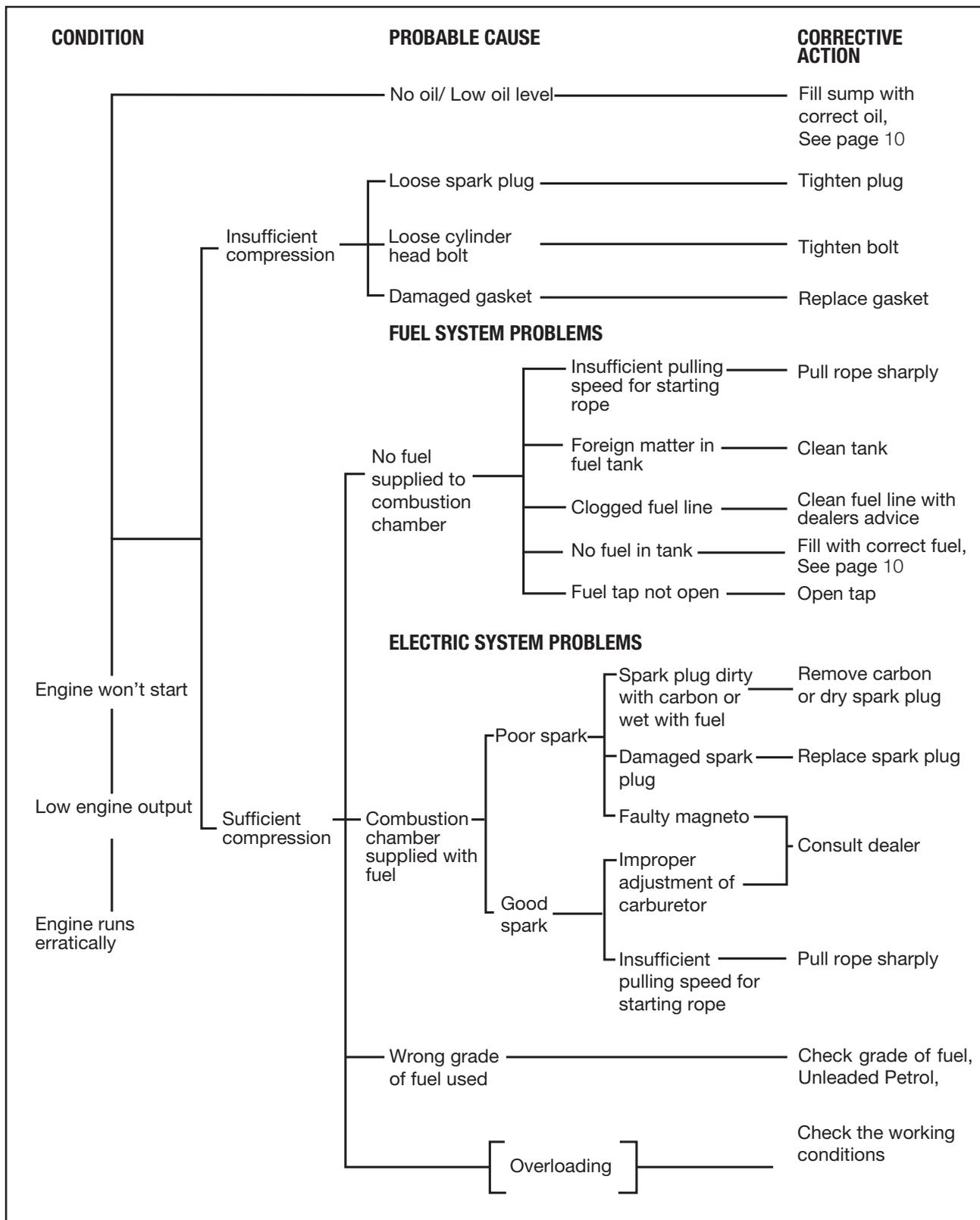
1. Remove fuel cap and filter.
2. Clean the filter, replace if broken.
3. Dry the filter and install back on the generator.

REPLACING FUEL FILTER

1. Ensure generator is off and cool.
2. Ensure fuel valve is OFF.
3. Remove access panel screw and panel.
4. Using pliers loosen clamp and unplug fuel filter.
5. Remove and replace fuel filter.
6. Using pliers re tube fuel filter and secure tube with both clamps.
7. Replace access panel and secure with screw.



FAULT CHART



FAULT CHART CONTINUED

CONDITION	PROBABLE CAUSE	CORRECTIVE ACTION
Indicator light ON. No AC output	Tripped circuit breaker	Reset
	Poor connection or faulty lead	Check and repair
	Broken receptacle	Check and repair
	Faulty circuit breaker	
Indicator light OFF. No AC output	Generator problem	
Output power too high or low	Engine RPM set too high or low	No load speed set to 3300rpm
	Loose component	Locate and tighten
	Internal generator problem	Consult dealer

Inverter generator.....	25401 SIP ISG 2202
Engine type.....	Single cylinder, 4 stroke 78.5cc
Engine speed.....	3200-5000 r/min
Oil tank capacity.....	Approx 600 mL
Oil type.....	4 stroke motor oil, SAE 30W or SAE 15W-40
Fuel tank capacity.....	4L
Fuel type.....	Unleaded Petrol
Spark plug.....	A7RTC
Rated voltage.....	230V AC~50Hz
Rated output.....	1800W
Maximum output.....	2000W
Rated current.....	7.5A
Power factor.....	1.0
12V DC output.....	5A
USB output.....	5V, Max. 2.1A
Maximum temperature/altitude.....	40°C/1000m
Spark arrestor.....	Yes
Inverter.....	Yes
Noise.....	58dB(A) at 7m
Nett weight.....	22 kg

Declaration of Conformity
We
SIP (Machinery Europe) Ltd
ASM Chartered Accountants
First Floor Block One
Quayside Business Park
Dundalk
County Louth
Republic of Ireland

As the manufacturer's authorised representative within the EC declare that the

SIP ISG 2202 Digital Inverter Generator - SIP Part No. 25401

Conforms to the requirements of the following directive(s), as indicated.

2006/42/EC	Machinery Directive
2014/30/EU	EMC Directive
2000/14/EC	Noise Emission Directive* RoHS
2011/65/EU	Directive

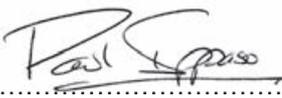
And regulations:- EU 2016/628	Emission limits and type-approval for internal combustion engines for non-road mobile machinery
----------------------------------	---

And including the relevant harmonised standard(s), including:- EN ISO 8528-13:2016 EN 550 12:2007+A1:2009 EN ISO 3744:2010

* Noise measurements have been made in accordance with the internal control of production (Annex VI).

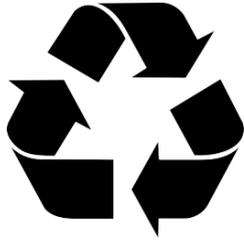
The declared noise values are as follows:

LpA	LwA
92dB(A)	95dB(A)

Signed: 

Mr P. Ippaso - Director - SIP (Machinery Europe) Ltd Date:
04/03/2023.





Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.

Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.

**FOR HELP OR ADVICE ON THIS
PRODUCT PLEASE CONTACT
YOUR DISTRIBUTOR, OR SIP
DIRECTLY ON:
TEL: 01509 500400
EMAIL: sales@sip-group.com or
customerservice@sip-group.com
www.sip-group.com**