

Operator's Instruction Book



AM-K26708

(25.6 cm³)



Please read this booklet carefully and make sure you understand before using the machine



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INTRODUCTION

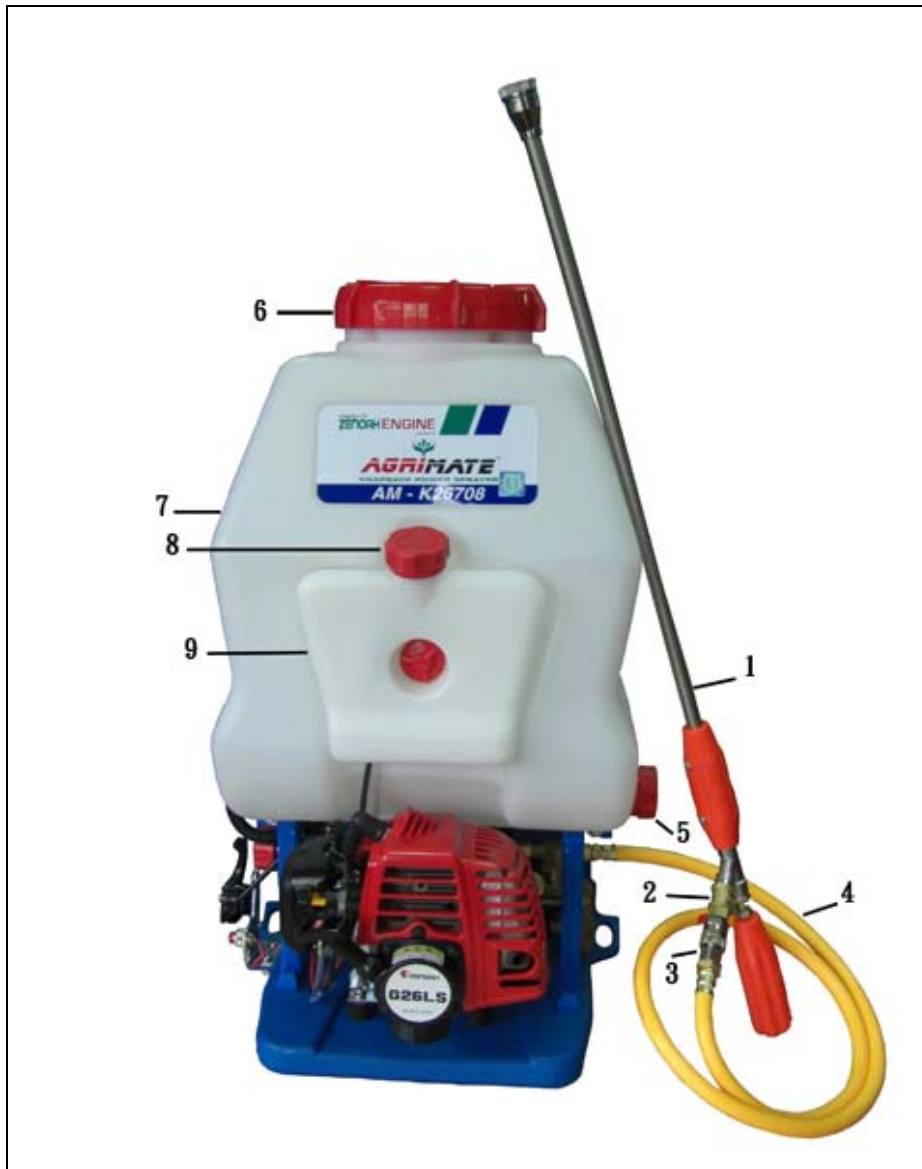
To correctly use the sprayer and prevent accidents, do not start work without having first carefully read this manual. You will find explanations concerning the operation of the various parts plus instructions for necessary checks and relative maintenance.

SAFETY PRECAUTIONS

WARNING: If correctly used, the sprayer is a quick, easy to handle and efficient tool: if used improperly, or without the due precautions it could become a dangerous tool. For pleasant and safe work, always strictly comply with the safety rules that follow and throughout this manual.

- 1- The sprayer must be used only by adults with knowledge of the operating instructions.
- 2- Do not use the sprayer when you are physically tired.
- 3- Wear gloves, protective glasses and ear protection. Wear long trousers; **DO NOT WEAR short trousers.** Wear non-slip footwear; **DO NOT work with open sandals or barefooted.**
- 4- Never allow bystanders to remain within your working area.
- 5- Always work from a firm-footed and safe position.
- 6- Transport the sprayer with the engine switched off and the liquid tank empty.
- 7- Do not attempt to service the sprayer while the engine is running.
- 8- Fill the tank away from sources of heat and with the engine stopped. Never smoke while filling. Never take the cap off the tank when the engine is running. If fuel spills over while filling, move the sprayer at least 3 meters (10 ft) away before starting.
- 9- Before starting, make sure that the liquid cock is closed.
- 10- Check the sprayer each day to ensure that each device, whether for safety or otherwise, is functional.
- 11- Always follow the manufacturer's instructions for the maintenance operations.
- 12- Never use a damaged, modified, or improperly repaired or assembled sprayer. Do not remove or damage any of the safety devices.
- 13- Never carry out operations or repairs on your own that are other than routine maintenance. Call specialized and authorized workshops only.
- 14- Never use fuel for cleaning operations.
- 15- Keep the sprayer in a dry place, off the ground with the tanks empty.
- 16- Wear an approved respirator and protective overalls for protection against toxic liquids.
- 17- Do not operate the sprayer in explosive atmospheres or near inflammable substances. When spraying in a greenhouse, ensure that the work area is well ventilated.
- 18- Do not use the sprayer until you have completely understood the specific operating method.
- 19- It is prohibited to attach a pump or any other implement not supplied by the manufacturer to the power take – off the pump.
- 20- If your sprayer is no longer usable, dispose of it carefully without damaging the environment by handing it into your local Dealer who will arrange for its correct disposal.
- 21- Only loan your sprayer to expert users who are completely familiar with sprayer operation and correct use. Give other users the manual with operating instructions, which they should read before using the sprayer.
- 22- Keep this manual on hand and consult it before each use of the tool.
- 23- Do not direct the lance and nozzles towards persons or animals.
- 24- Never start the machine without pump. It will cause serious damages to the engine parts as well as the withdrawal of the warranty.
- 25- Do not use the sprayer set close to electrical equipment.
- 26- Take the cap off the spark plug each maintenance time, during cleaning or repair work.
- 27- The sprayer must always be kept upright to prevent liquid escaping from the tank.
- 28- Do not use the sprayer with inflammable and / or corrosive substances.
- 29- Do not assemble the pump on other motors or power transmissions.
- 30- The engine is 2-stroke. Always use mixture for the fuel. Gasoline without oil damages engine in a short time.

SPRAYER COMPONENTS



- 1- Spray gun
- 2- Cock switch
- 3- Roller
- 4- High pressure PVC hose
- 5- Drain cup
- 6- Tank cover
- 7- Liquid tank
- 8- Fuel cap
- 9- Fuel tank



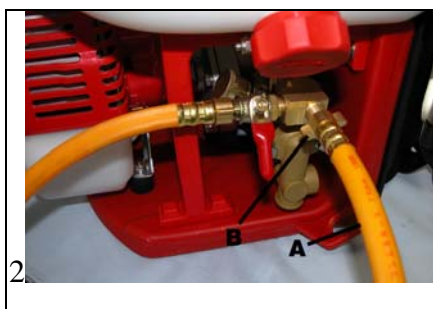
Read the operator's instruction book before operating this machine.



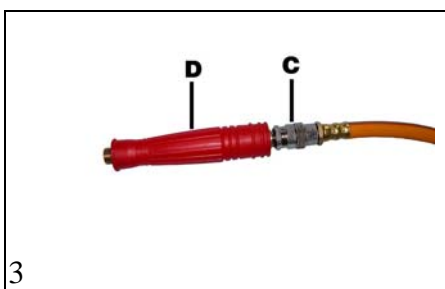
Wear head, eye and ear protection.



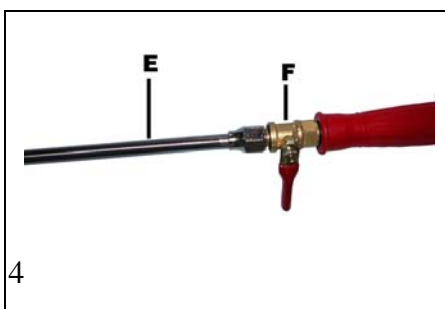
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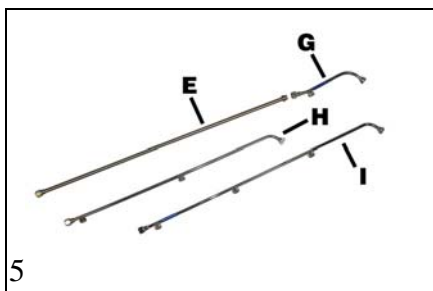
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ASSEMBLY

Assembling the lance:

The sprayer is supplied packaged as shown in Fig. 1. To prepare the sprayer for use a few simple operations are required:

- Connect the high pressure hose (Fig 2-A) to the pump and secure with wing nut (Fig 2-B).
- Screw the jet regulator (Fig 3-C) onto the tip of the handle (Fig 3-D) and high pressure hose (Fig 2-A).
- Screw the lance (Fig 4-E) onto the control valve (Fig 4-F)

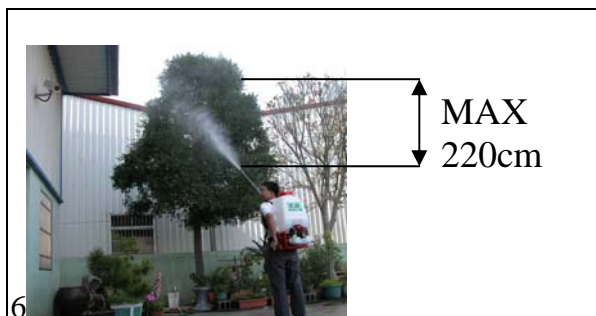
Optional

A range of lances for all operator requirements can be purchased separately (Fig 5):

- Lance with 2 nozzle (Fig 5-G)
- Lance with 3 nozzle (Fig 5-H)
- Lance with 4 nozzle (Fig 5-I)

Lance performance:

The standard lance with single nozzle with the regulator fully open (turned counter-clockwise) has a vertical throw of 220cm from the lance tip (Fig 6).



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STARTING

Fuel Mixture:

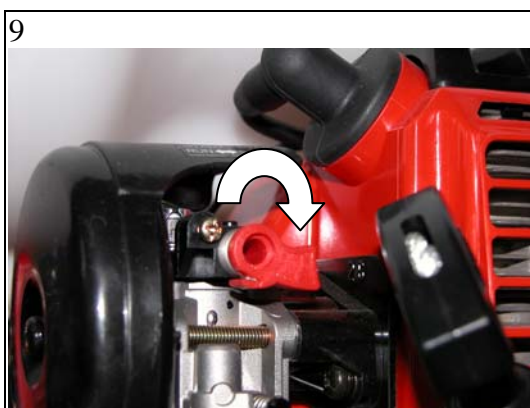
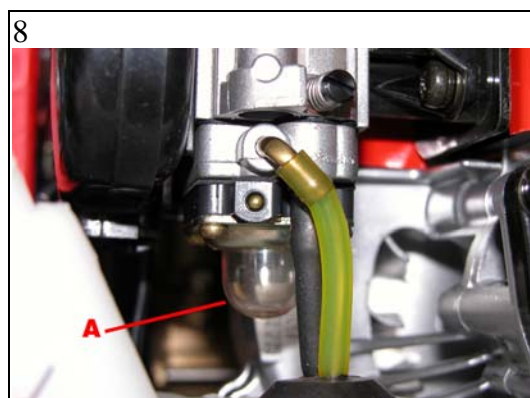
Use a 4% (25:1) oil-gasoline mixture.
(oil : two stroke oil or 20/50 engine oil)

Warning: two stroke engines have hing specific horsepower and we therefore recommend the use of well known, super gasoline, with or without lead and an octane rating of no less than 90. When preparing the mixture, only use oil for two stroke engines. Shake the fuel canister before filling. Refill (Fig 7) when the engine is switched off and far away from naked flames. Before unscrewing the fuel tank cap position the sprayer on a flat, solid surface to prevent fuel spills. Only prepare the quantity of mixture for each job, do not leave the mixture in the fuel tank or in a fuel canister for prolonged periods.

Starting the engine:

Make sure that the throttle lever is in the idle position. Fill the carburetor by pushing the primer bulb (Fig 8-A). Put the choke lever (Fig 9-B) in the “CLOSE” position. Place the sprayer on the ground in a stable position. Holding the sprayer firmly (Fig 10), pull sharply on the starter cord to start the engine. Wait a few seconds then operate the throttle lever to release the automatic semi-acceleration device. The starter lever should return to its original “OPEN” position.

Warning: once the engine is warmed up, do not use choke to start up again.



USE-STOPPING THE ENGINE

USE:

- Fill the liquid tank through the filter provided to prevent the introduction of foreign bodies (Fig 11-A)
- Replace the filler cap (Fig 12-B) making sure it is tightly sealed.
- After starting the engine, adjust the liquid flow by way of the pressure regulator (Fig 13-C). The regulator can be easily operated when the sprayer is on the back of the operator.
- Operate the control valve to control the Spray (Fig 14-D).

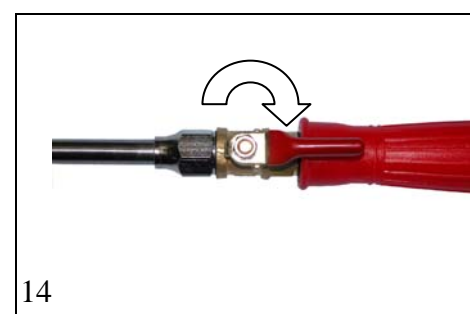
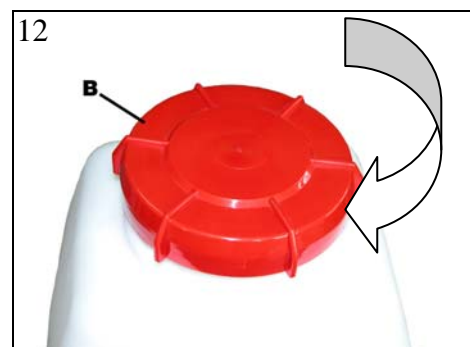
Warning: After starting the sprayer, operate the control valve immediately to allow any residual air trapped inside the pump to escape and to check that the liquid is flowing normally. If the liquid does not flow normally, operate the pressure regulator to eliminate air from the pump. **Never ever operate the pump when the liquid tank is empty.**

Warning: On completion of work, close the liquid valve before stopping the engine.

Stopping the engine:

Set the throttle lever to minimum. Switch off the engine by turning the stop switch to STOP.

Warning: After use of liquid chemicals, flush out the pump immediately by filling the tank with clean water and re-starting the sprayer.



ENGINE MAINTENANCE-STORAGE

Engine maintenance:

Warning: Always wear protective gloves during maintenance operations. Do not carry out maintenance when the engine is hot.

Air filter: Every 8-10 working hours, take off the Cover. The filter should be cleaned by shaking it Well and with a soft brush (Fig 15).

Fuel filter: Check the fuel filter periodically. Replace it if too dirty (Fig 16).

Engine: Clean the cylinder fans (Fig 17) with compressed air or a brush periodically. Dangerous overheating of engine may occur due to impurities on the cylinder.

Spark plug: Clean the spark pug and check the Electrode gap periodically (Fig 18).

Storage:

- When the mist blower is stored for long intervals, use clean water and run sprayer for few minutes. Dry the sprayer thoroughly, empty the fuel tank and clean the engine.
- Empty the fuel cap and put the cap back on.
- Remove the spark plug; pour a small amount Of oil into the cylinder(Fig 19).
- Rotate the crankshaft several times using the starting rope in order to distribute the oil. Put the park plug back in.
- Store the pump in a dry place, preferably not in direct contact with the floor and away from the hear sources.
- Do not lie the sprayer on its side, oil may leak.

Warning: All maintenance operations not reported in this manual must be carried out by an authorized Service Center. To ensure steady and regular sprayer operation, remember that parts must only be replaced with original spares.



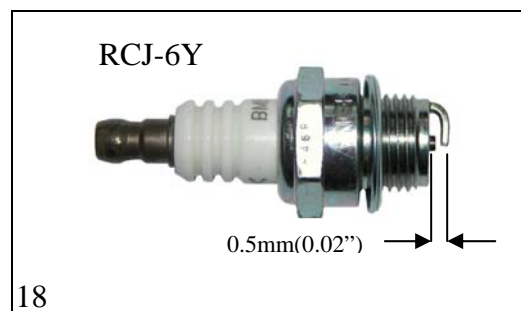
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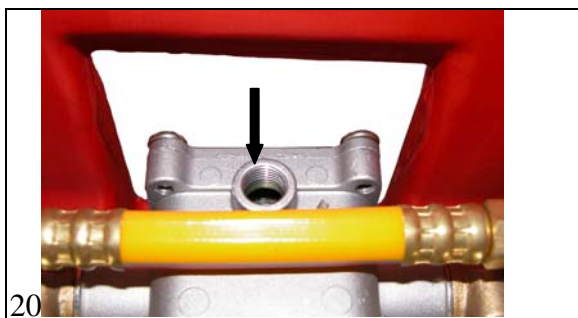
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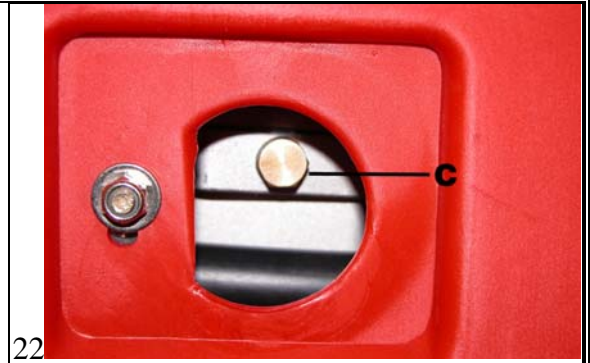
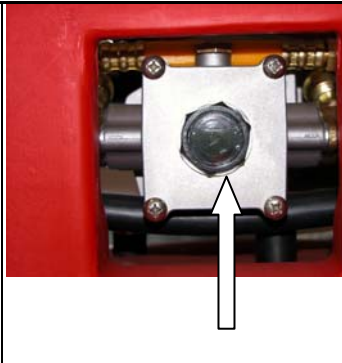
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PUMP MAINTENANCE

Oil- To check the oil level, remove the protective rubber cushion (Fig 21) by removing the screws. Change oil firstly after 30 operating hours, then every 100 operating.

- 1- Unscrew plug (Fig 22-C) and drain oil. Replace and tighten drain plug.
- 2- Unscrew breather cap (Fig 20) of the oil tank and fill with 120cc of SAE 40 or 20/50 engine oil.

Grease nipples-Apply with grease at each grease nipple (Fig 23-E)

Warning: Screw in the grease nipple two turns every 2 operating hours.

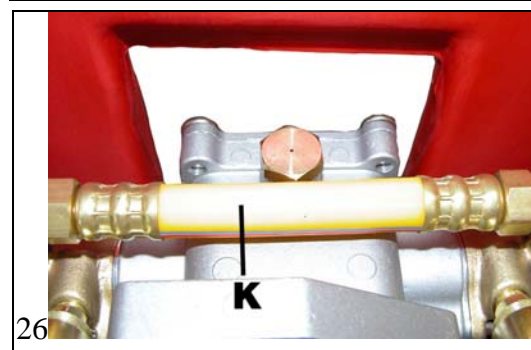
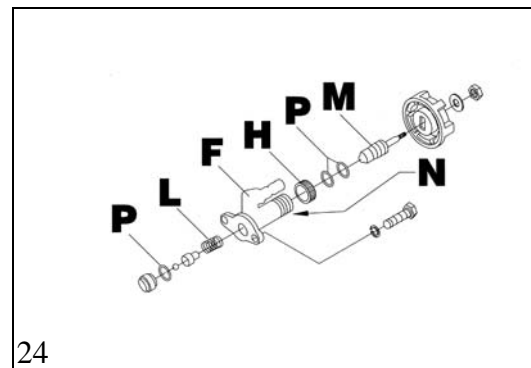
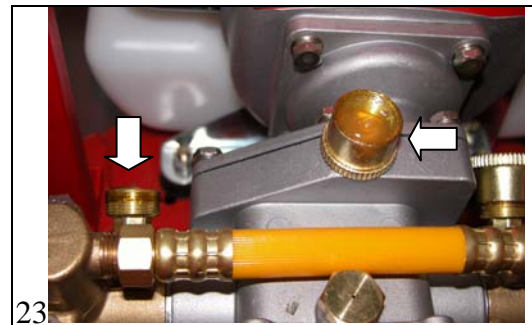
Valve- To remove the valve (Fig 24-F), for cleaning, remove the screws (Fig24-G) and valve cap. Remove any residue from the valve cap. Change the valve spring (fig 24-L) if broken or worn.

If the valve loses pressure:

- 1- Fit a new valve if the pressure regulator (Fig 24-M) or the valve seat (Fig 24-N) is worn.
- 2- Remove any residue from the valve seat.
- 3- Renew the oil seals if worn.

Nozzles – Replace the nozzles if broken or if the y loose pressure (Fig 25).

High pressure hose- Replace the high pressure hose (Fig 26-K) if broken or worn.



TECHNICAL DATA

| Engine | | Zenoah G26LS | KM26 engine |
|--|--------------------|--|-------------|
| Displacement | cc | 25.4 | 25.6 |
| Power | kW | 0.81 | 0.80 |
| Max. rpm | min ⁻¹ | 9000 | |
| Min. rpm | min ⁻¹ | 3000 | |
| Fuel tank capacity | cm ³ | 1000 | |
| Electronic ignition | | Yes | |
| Anti-vibration system | | Yes | |
| Diaphragm carburetor | | Yes | |
| Primer carburetor | | Yes | |
| Centrifugal clutch | | Yes | |
| Max. vertical liquid range | m | 2.2 | |
| Pump reduction ratio | | 1÷4 | |
| Agricultural chemical solutions containing acids | pH | 4 - 9 | |
| Prohibited chemical solutions | | Sulfuric acid, nitric acid, hydrochloric acid, alkalis, powdered & insoluble chemicals | |
| Liquid discharge | l/min | 7.2 | |
| Weight | Kg | 11.2 | |
| Dimensions | mm | 390x330x630 | |
| Main tank capacity | L | 23 | |
| pressure | Kg/cm ² | 35 | |

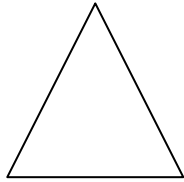
WARRANTY CERTIFICATE

This machine has been designed and manufactured using the most modern techniques. The manufacturer guarantees the machine to be free from defects for a period of twelve months from the date of purchase provided it is used exclusively for private/hobby purposes. If the machine is used for professional purposes, the warranty period shall be for a period of six months. If the machine is used for hire no warranty. This warranty is only for first owner.

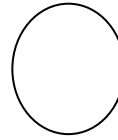
Limited Warranty:

- 1) The warranty period starts on the date of sale. The manufacturer, acting through the sales and technical assistance network, shall replace free of charge any parts proven defective in material, machining and manufacturing. The warranty does not affect the purchaser's rights as established under legislation governing the consequences of defects in the machine.
- 2) Technical personnel will undertake the necessary repairs in the minimum time possible compatible with organizational needs.
- 3) **To make any claim under the warranty, this certificate of warranty, fully complied, bearing the dealer's stamp, and accompanied by the invoice or receipt showing the date of purchase, must be displayed to the personnel authorized to approve work.**
- 4) The warranty shall be null and void if:
 - The machine has evidently not been serviced correctly.
 - The machine has been used for improper purposes or has been modified in any way.
 - Unsuitable lubricants and fuels have been used.
 - Non-original spare parts and accessories have been fitted.
 - Work has been done on the machine by unauthorized personnel.
- 5) The warranty does not cover consumables or parts subject to normal wear.
- 6) The warranty does not cover work to update or improve the machine.
- 7) The warranty does not cover any preparation or servicing work required during the warranty period.
- 8) Damaged incurred during transport must be immediately brought to the attention of the carrier: failure to do so shall render null and void the warranty.
- 9) The warranty does not cover injury or damage caused directly or indirectly to persons or things by defects in the machine or by periods of extended disuse of the machine resulting from the said defects.

| | |
|----------------|--------|
| Model | Date |
| | |
| Serial No..... | Dealer |
| Bought by Mr. | |
| | |
| | |
| | |



WARNING!!!



RISK OF DAMAGING HEARING

IN NORMAL CONDITIONS OF USE, THIS MACHINE
MAY INVOLVE A DAILY LEVEL OF PERSONAL
EXPOSURE TO NOISE FOR THE OPERATOR
EQUAL TO OR GREATER THAN

85 dB(A)

WARNING!- This owner's manual must stay with the machine for all its life.

| Model | Pressure Level | Power level | Vibration Level |
|--------------|-----------------------|--------------------|-------------------------------|
| | LpA EN ISO 11201 | LwA ENISO 3744 | EN28662-1 m/s ² |
| 25.6cm3 | 93dB(A) | 101dB(A) | <2.5 |