

USER MANUAL Gas Shredder

Benutzerhandbuch Gasschneider

IMPORTANT

It is vital that you retain and thoroughly read and understand these safety and operating instructions. Incorrect use will make this machine inoperable.

WICHTIG

Es ist sehr wichtig, dass Sie dieses Benutzerhandbuch aufheben, aufmerksam lesen und die darin
enthaltenen Sicherheits- und Gebrauchshinweise verstehen. Unsachgemäßer Gebrauch kann dieses

 MODEL NO/MODELLNUMMER.6& 6\*



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Read the user manual before using the machine

Acoustic power level LWA accordance with directive

110 2000/14/EC+2005/88/EC

GENERAL INFORMATION . . .

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. .5 Keep bystanders away

Danger-Rotating blades. Keep hands

.6 openings while machine is running.

Were eye and ear protection

.7

Wear gloves to protect your hands

Do not touch a hot silencer or cylinder. You may get

burned. These parts get extremely hot from operation.

When turned off they remain hot for a short time.

and feet out of Petrol engines emit carbon monoxide. DO NOT run in

enclosed area

Petrol is flammable. Allow engine to cool for at least 2

minutes before refueling

Wear safety boots to protect your feet

• Warm engine start

• To stop engine

• Top hopper-front cut

• Top hopper-back chute

WARNING! When using gas tools, basic safety precautions, including the following, should always be followed to

reduce the risk of serious personal injury and/or damage to the unit.

Read all these instructions before operating this product and save these instructions.

• Material push stick

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1. Become familiar with the owner's manual before

attempting to operate this equipment.

2. Do not allow children to operate this equipment;

3. Do not operate this equipment in the vicinity of

bystanders;

4. Do not run engine powered machines in an enclosed

area since the exhaust from an engine contains car-

bon monoxide, which is colourless, odourless, and

tasteless; carbon monoxide can be extremely dan-

gerous in enclosed areas;

5. Wear ear protection and safety glasses at all times

while operating the machine;

6. Avoid wearing clothing that is loose fitting or that has

hanging cords or ties;

7. Only operate the machine in open space (e.g. not

close to a wall or other fixed object) and on a firm,

level surface;

8. Do not operate the machine on a paved or gravel sur-

face where ejected material could cause injury;
9. Before starting the machine, check that all screws,

nuts, bolts, and other fasteners are properly secured

and that guards and screens are in place. Replace

damaged or unreadable labels;

10. Use extra care in handling fuels. They are flammable

and the vapours are explosive. The following points

should be observed:

- use only an approved container;

- Never remove the fuel cap or add fuel with the

power source running. Allow engine and exhaust

components to cool before refuelling;

- do not smoke;

- never refuel the machine indoors;

- store the machine or fuel container inside where

there is an open flame, such as a water heater;

- fuel is spilled, do not attempt to start the power

source, but move the machine away from the area of

spillage before starting;

- always replace and securely tighten the fuel cap

after refuelling;

- if the fuel tank is drained, this should be done out-

doors.

11. Shut-off the power unit before attaching or removing

the bag.

• OPERATION

1. Before starting the machine, look into the feeding

chamber to make certain that it is empty;
2. Keep your face and body away from the feed intake

opening;

3. Do not allow hands or any other part of the body or

clothing inside the feeding chamber, discharge chute,

or near any moving part;

4. Keep proper balance and footing at all times. Do not

overreach. Never stand at a higher level than the

base of the machine when feeding material into it;
5. Always stand clear of the discharge zone when oper-

ating this machine;

6. When feeding material into the machine be extreme-

ly careful that pieces of metal, rocks, bottles, cans or

other foreign objects are not included;

7. If the cutting mechanism strikes any foreign objects

or if the machine should start making any unusual

noise or vibration, shut off the power source and

allow the machine to stop. Disconnect the spark plug

wire from the spark plug (electric unit disconnect from

supply) and take the following steps:

- inspect for damage;

- check for and tighten any loose parts ;

- have any damaged parts replaced or repaired with

parts having equivalent specifications.

2



GB GB

8. Do not allow processed material to build up in the dis- • MAINTENANCE AND STORAGE GENERAL IDENTIFICATION

charge zone; this may prevent proper discharge and 1. When the machine is stopped for servicing, inspec-

can result in kickback of material through the feed tion, or storage, or to change an accessory, shut off

intake opening; the power source, disconnect the spark plug wire

9. If the machine becomes clogged, shut-off the power from the spark plug(electric unit disconnect from sup-

source and disconnect the spark plug wire (electric ply), make sure that all moving parts have come to a

unit disconnect from supply) before clearing debris. complete stop and, where a key is fitted remove the

Keep the power source clear of debris and other key. Allow the machine to cool before making any

accumulations to prevent damage to the power inspections, adjustments, etc.

source or possible fire. Remember that operating the 2. Store the machine where fuel vapour will not reach an

starting mechanism on engine powered machines will open flame or spark. For extended storage periods,

still cause the cutting means to move; run the unit dry of fuel. Always allow the machine to

10. Keep all guards and deflectors in place and in good cool before storing;

working condition; 3. When servicing the cutting means be aware that,

11. Do not tamper with the power source governor set- even though the power source will not start due to the

tings; the governor controls the safe maximum oper- interlock feature of the guard, the cutting means can

ating speed and protects the power source and all still be moved by a manual starting mechanism.

moving parts from damage caused by over-speed.
Seek authorised service if a problem exists;11)

12. Do not transport this machine while the power source

is running;

13. Shut off the power source and disconnect the spark

plug lead (electric unit disconnect from supply) when-
ever you leave the work area;

14. Do not tilt the machine while the power source is run-

ning.

SPECIFICATIONS

Engine type . . .

Engine displacement

Hose Power

Cooling system . . .

Ignition system . . .

Max. Cutting diameter

No load speed

Wheel size

Blade type . . .

Hopper size

Dry Weight

Sound pressure level

Sound power level

Guarantee sound power level . . .

Fuel Consumption

.4-stroke, overhead valve single cylinder

. .173 cm3

. . .3.2 kW

.Forced air

.TCI

.2” (50mm)

.3000 min-1

.8” (203mm)

. .H-type

. . .ø 7.2” (183mm)

.36 kg

. .99.6 dB(A)

.108.6 dB(A)

. .110 dB(A)

.341.5 g/kWh

3

1. Hopper 8. Engine

2. Discharge Chute 9. Material Push Stick

3. Hopper Knob

4. Safe Key

5. Dustbin

6. Wheel

7. Leg

4



ASSEMBLY INSTRUCTIONS

• HOPPER INSTALLATION

1. Carefully lift up the Hopper (A). (Fig. 1A)

2. Place and align the hopper on top of the blade.

3. Locate the safety knobs (B) and fasten to secure the

hopper with the base unit. (Fig. 1B)

A B

B

Fig. 1A Fig. 1B

• MOVE THE SHREDDER

1. Stand at the back of shredder.

2. Grab the hopper handle, and step on the wheel axle.

(Fig. 2A)

3. Pull down the handle to slant backward the shredder.

(Fig. 2B)

4. Move the shredder.

Fig. 2A Fig. 2B

BEFORE STARTING ENGINE

• OIL

Oil Information

Type of Oil to Use

• Use a high quality detergent oil classified "For service

SF, SG, SH, SJ" or higher.

• SAE 30 is recommended for general use. Other vis-

cosities shown in the chart may be used when the

average temperature in your area is within the indi-

cated range. (Fig. 3)

• Do not use special additives.

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SAE

30

10W-30

10

TEMP -20 0 20 40 60 80 100˚F

-30 -20 -100 0 10 20 30 40˚C

STARTNG TEMPERATURE RANGE

Fig. 3

Oil Capacity

The engine holds approximately 0.5 litres.

Check oil level

WARNING: Running engine with insufficient

oil will cause serious engine damage.

WARNING: When checking oil stop engine

and place it on a level, surface.

1. Remove dipstick (A) and wipe clean with cloth. (Fig. 4)

2. Replace dipstick back without lock it in. Pull the dip-

stick out and check the oil level.

3. Oil level should be at upper limit (B) on dipstick.

4. If the oil level is near or below the lower limit (C) mark

on the dipstick, add oil slowly and recheck until oil

level reaches upper limit of dipstick. Do not overfill.

5. Replace and tighten dipstick.

WARNING: Using dirty oil or two-stroke

engine oil will shorten engine useful life.

B

C

Fig. 4

• FUEL

Fuel Information

Type of Fuel to Use

• This engine is certified to operate on unleaded petrol

with a minimum of 77 octane. Fresh fuel prevents

gum from forming in the fuel system. Purchase fuel in

quantity that can be used within 30 days.

• Do NOT mix oil with petrol.

• Keep dust, water and foreign matter away from fuel

tank.

• Do NOT use gasoline which contains Methanol.

WARNING: Gas is extremely flammable; it

will explode if exposed to a source of ignition.

WARNING: Turn engine OFF and let engine

cool before removing gas tank cap. Always

add fuel at well-ventilated place. Keep gaso-

line from sparks, open flames, heat and other

ignition sources.

WARNING: Don’t overfill fuel. The fuel level

should be always below the lowest position of

the fuel tank neck.

WARNING: Check fuel lines, tank, cap and

fittings frequently for cracks or leaks. Replace

if necessary.

WARNING: Prevent skin from frequent con-

tact with gasoline.

WARNING: Keep children and the frail at a

safe distance during refuelling.

Adding Fuel

1. Remove fuel cap (A). (Fig. 5)

2. Fill tank to the lowest position of the fuel tank neck.

Do not over fill.

3. Wipe any gasoline that may have spilled.

4. Reinstall the fuel cap.

Fuel tank capacity: 0.90 liters

A

Fig. 5

GB

OPERATION INSTRUCTIONS

• BEFORE STARTING ENGINE

WARNING: Damage to your eyes, hands,

and ears could result from using this machine

without proper protective gear. Always wear

safety glasses, hearing protection, and

leather gloves when operating this machine.

WARNING: Loose hair and clothing could

get caught in machinery and cause serious

personal injury. Keep loose clothing and long

hair away from moving machinery.

Make sure to check the engine oil and fuel tank before starting the engine.

• TO START ENGINE

1. Move ON/OFF switch to “ON (I)”position. (Fig. 6A)

2. Turn the fuel valve (A) to the ON position. (Fig. 6B)

3. Your unit is designed with a 3 position choke: CHOKE

“ ”, PARTIAL “ ”, and RUN “ ”. Move choke lever

to CHOKE “ ” position. (Fig. 6C)

4. Pull starter rope out a short way until resistance is felt

(approximately 100mm). A smooth rapid pull is

required for a strong spark. Pull starter rope briskly 4

times. (Fig. 6D)

5. Move choke lever to PARTIAL “ ” position. (Fig. 6E)

6. Pull the starter rope until the engine start up.

7. Move choke level to RUN “ ” position right after the

engine started up. (Fig. 6F)

8. If the engine does not start up, move choke level to

PARTIAL “ ” position, then repeat step 6.

9. If engine fails to start, repeat steps 1 through 8.

NOTE: If engine fails to start after repeated attempts, refer to Troubleshooting section.

NOTE: Always pull starter rope straight out. Pulling starter
at an angle will cause rope to rub against the eyelet. This
friction will cause the rope to fray and wear more quickly.
Always hold starter handle when rope retracts. Never
allow rope to snap back from extended position.This could
cause rope to snag or fray and also damage the starter
assembly.

OFF A

ON

Fig. 6A Fig. 6B

5

6



Fig. 6C Fig. 6D

Fig. 6E Fig. 6F

• WARM ENGINE START

1. Move ignition switch to the “RUN (I)” position.

2. Turn the fuel valve to the ON position.

3. Move choke lever on PARTIAL “ ” position, and start

the engine.

4. If the engine still can not start, follow the step as “To

start engine” section in this user manual.

• TO STOP ENGINE

1. Move ignition switch to the “STOP” position. (Fig. 7A)

2. Turn the fuel valve (A) to the OFF position. (Fig. 7B)

A

GB

Fig. 8

• TOP HOPPER-BACK CHUTE

The smaller back chute of the top Hopper accepts medi-
um to larger size garden clippings.

Shredding and mulching is achieved through the same action as the front chute. If a finer type mulch is required, re-feed the mulch through again until the desired result is obtained. (Fig. 9).

Fig. 9

• MATERIAL PUSH STICK

User supplied push stick to push remaining material into hopper opening. DO NOT USE HANDS. (Fig. 10)

Fan

Fig. 11

MAINTENANCE

WARNING: Priors to any maintenance, to

stop engine and switch it off first.

WARNING: Disconnect spark plug wire from

the spark plug to prevent unintentional

engine starting.

WARNING: Unintentional sparking can result

in fire.

WARNING: Unintentional start-up can result

in entanglement, traumatic amputation, or

laceration.

CAUTION: Use only genuine replacement

engine parts. None compliant parts may

damage the engine, and may result in injury.

In addition, use of other parts may void your

warranty rights.

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★ Drain engine oil and change it after first 5-8hours of operation and

every 50 hours or three months after that. It is also a highly rec-

ommendation to change oil every 25 hours under heavy load or in

high temperature.

★★ Clean air cleaner more frequently under dusty conditions or when

airborne debris is present. Replace of air cleaner element if it is

very dirty.

• BLADE MAINTENANCE

WARNING: Before removing Top Hopper

knob, ensure the machine is switched off,

and the machine is completely stopped.

WARNING: Take extreme care not to come

in contact with cutting blades.

WARNING: If ejection chute becomes

clogged or cutting blades become jammed,

under no circumstances should you place

your hands in ejection chute to try to clear

obstruction, as this will lead to serious injury.

1. Switch the machine off, and make sure the machine

is completely stopped.

2. Wear gloves when attempting any maintenance to

the cutting blades.

3. Loose four safety knobs as shown on (Fig. 12A),

carefully lift up the hopper.

4. Steps on the hopper support with the foot, takes a

tool to be fixed the blade of plate. (Fig. 12B)
5. Dismantles bit anchor screw 2pcs with the suitable

tool.

6. Closes the hopper, the tighten the screws.

NOTE: The blade is double edged. Should you have to

OFF

ON

Regular maintenance will improve the performance and

extend the life of the engine. Please follow the instructions and schedules indicated below:

Perform task at hourly or 25 50 100

calendar interval, Hours Hours Hours 100-

chang the blade, rotate the blade 180 degree for sharper

edge. (Fig. 12D)

A

Fig. 7A Fig. 7B

• TOP HOPPER-FRONT CUT

The large sloping front chute of the Top Hopper is designed to accept leaves and small garden clippings. Shredding and mulching is achieved by natural suction of the debris through the blade chamber.

Do not overfeed and do not feed wet, soggy material into the shredder as this may clog the blade chamber and the discharge chute. (Fig. 8)

Fig. 10

• REMOVE SAW DUST FROM BUTTOM FAN

Normaly, the fan should rotates slowely whenthe engine is running. It should be stuck by the saw dust if the fan stop rotating. Please use a tool to stir around the fan to remove the saw dust. (Fig. 11)

whichever Each

comes Use or or or 300

first Every Every Every Hours

Task Season Season Season

Check Oil Level •

Change Oil • ★

Clean Air Cleaner • ★★

Check Flywheel Brake Pad •

Check-clean Spark Plug •

Check-adjust idle speed •

Clean Combustion Chamber •

Check Fuel Line Every 2 years (Replace if necessary)

Fig. 12A Fig. 12B

Fig. 12C Fig. 12D

7

8



• CHANGE OIL

1. Let engine runs out of fuel, and wait until engine

stopped and cooled slightly.

2. Disconnect spark plug wire and keep away from

spark plug.

3. When engine is still warm, remove oil drain plug (A).

Drain oil into a proper container. (Fig. 13)

4. Clean the oil drain plug before restoring it back.

5. Place engine level. Remove dipstick. Add new recom-

mended oil about 0.3L slowly to upper limit on dip-

stick, Don’t overfill.

6. Replace dipstick.

WARNING: Prevent skin contact with used

engine oil. Wash your skin with soap and

water after oil change.

CAUTION: Used oil is a hazardous waste

product. It is suggested to bring used oil to

your local recycling center with properly

sealed container a sealed container to your

local recycling center. Do not discard with

household waste.

A

Fig. 13

• AIR CLEANER MAINTENANCE

A dirty air filter will increase air intake restriction. Periodical maintenance for air filter will help to improve engine performance and reduce emissions.

WARNING: Never clean air filter with gaso-

line or an easy ignited solvent it may cause

explosion.

1. Remove the air cleaner cover (A), and carefully

remove the filter element (B). (Fig. 14)

2. Clean all parts.

3. Blow off dirt from filter element with pressure air.

4. Reinstall the filter element and air cleaner cover.

A B

Fig. 14

9

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• SPARK PLUG

Recommended Spark plug: F6RTC.

Stop the engine and allow it to cool

WARNING: DO NOT use an incorrectly rated

plug. It is essential to keep the spark plug in

good condition - clean and properly adjusted.

WARNING: To keep engine at top perform-

ance spark plug gap should be within speci-

fied and carbon built up free.

1. Removing spark plug with a spark plug wrench.

2. Inspect the spark plug visually. If spark plug is worn,

dirty or has cracks, replace with the recommended

type and heat range.

3. The correct air gap is 0.70 to 0.80 mm. (Fig. 15)

4. Tighten the spark plug.

5. After spark plug is tight; torque to 25-30N·m.

Fig. 15

WARNING: An incorrectly tightened spark

plug may result in poor engine performance

and permanent engine damage.

• COMBUSTION DEPOSITS

We recommend that you should remove combustion deposits from the cylinder, cylinder head, top of piston, and around valves after every 100-300 hours usage.

• MUFFLER

WARNING: If engine just running down, do

not touch muffler. Allow it to cool before oper-

ation.

• TRANSPORTING AND STORAGE

When storing engine for more than 30 days:
1. Store in a dry and clean area.

2. Run engine until fuel tank is empty and engine stops

or add gasoline preservative and running engine after

adding for several minutes to circulate preservative.

WARNING: Gasoline is flammable. Fuel or

fuel vapors may explode. Keep sparks and

open flames from the working area.

3. Change engine lubrication oil.

4. Clean the exterior surfaces of the engine.

5. Remove spark plug; pour one teaspoon of fresh

engine oil into cylinder. Re-install spark plug without

the spark plug wire attached. Pull starter rope slowly

several times to distribute the oil in the engine.
6. Slowly pull start handle (A) until the resistance is

reached, then stop pulling. At that point, valves are

closed, that will prevent dust and rust from entering

cylinder. (Fig. 16)

7. Cover engine well to prevent dust.

A

Fig. 16

WARNING: When you service the engine,

inspect the blade, or clean the underside of

the housing; make sure to always tip the

engine with the spark plug up.Transporting or

tipping the engine with the spark plug down

will cause:

1. Engine smoking

2. Hard starting

3. Spark plug fouling

4. Oil or petrol saturation of the air filter

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