



BLUEBIRD INDUSTRIES

Petrol lawn mower

Mod. Sprint B42 / Sprint B46T / Sprint B51T / Sprint H46T / Sprint H51T



INSTRUCTIONS FOR USE



WARNING! Before using the machine, read and understand the safety instructions and the operating instructions

Fig. A

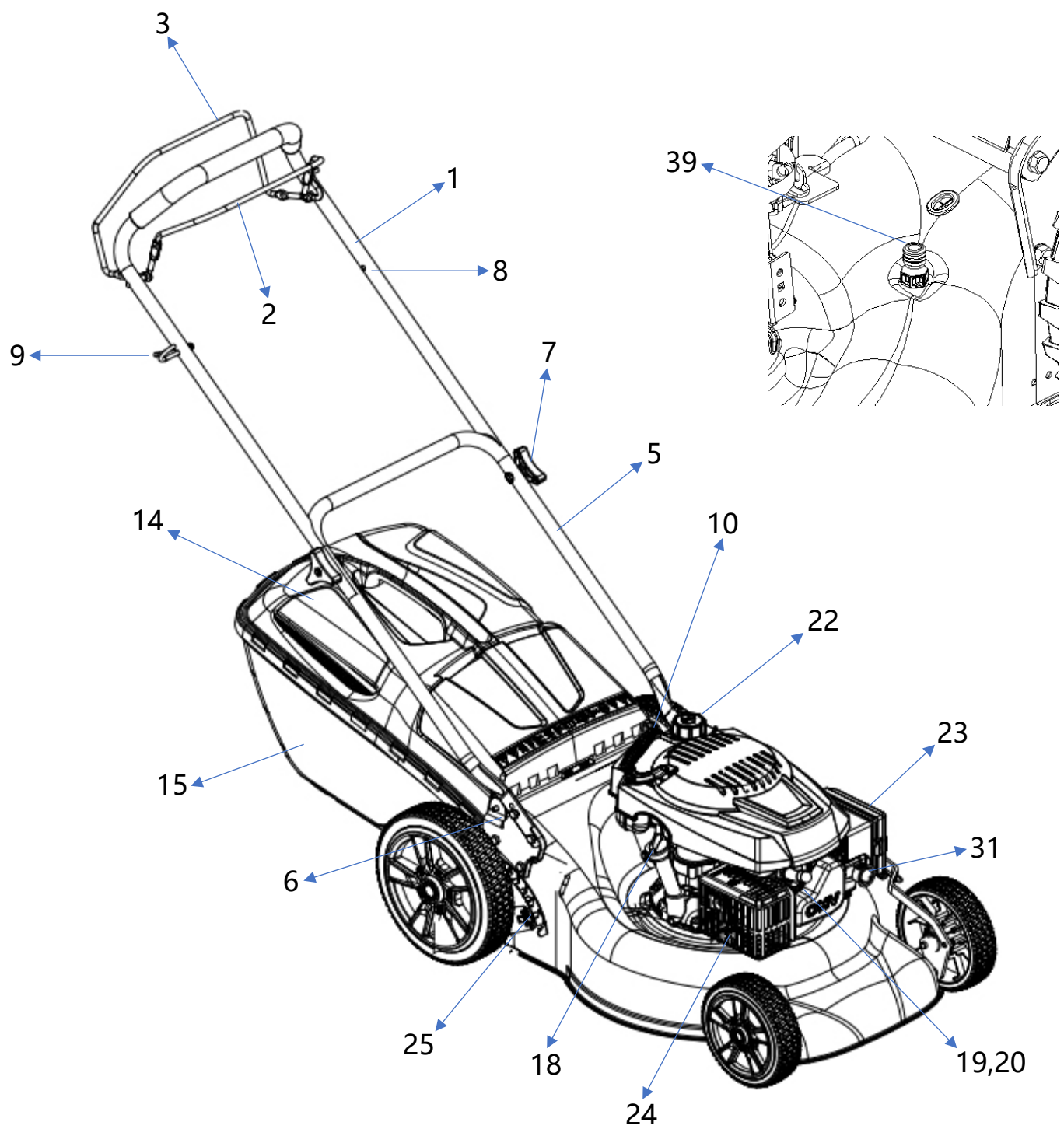


Fig. C

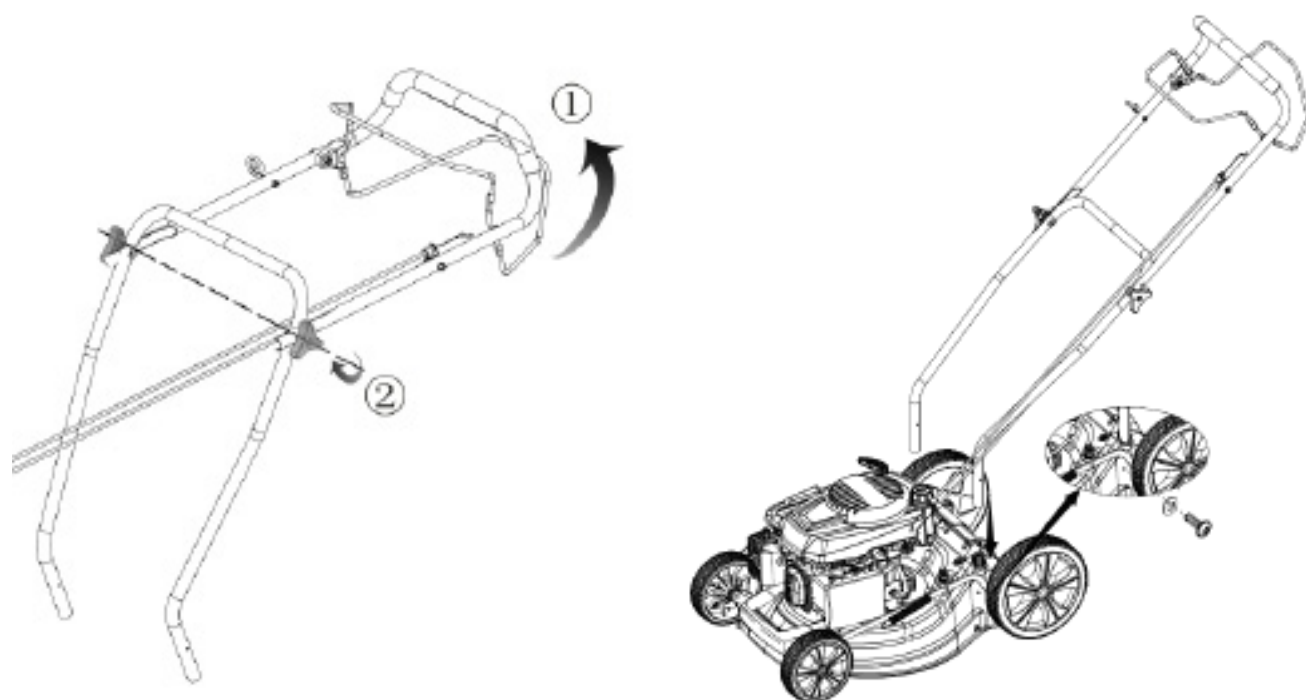
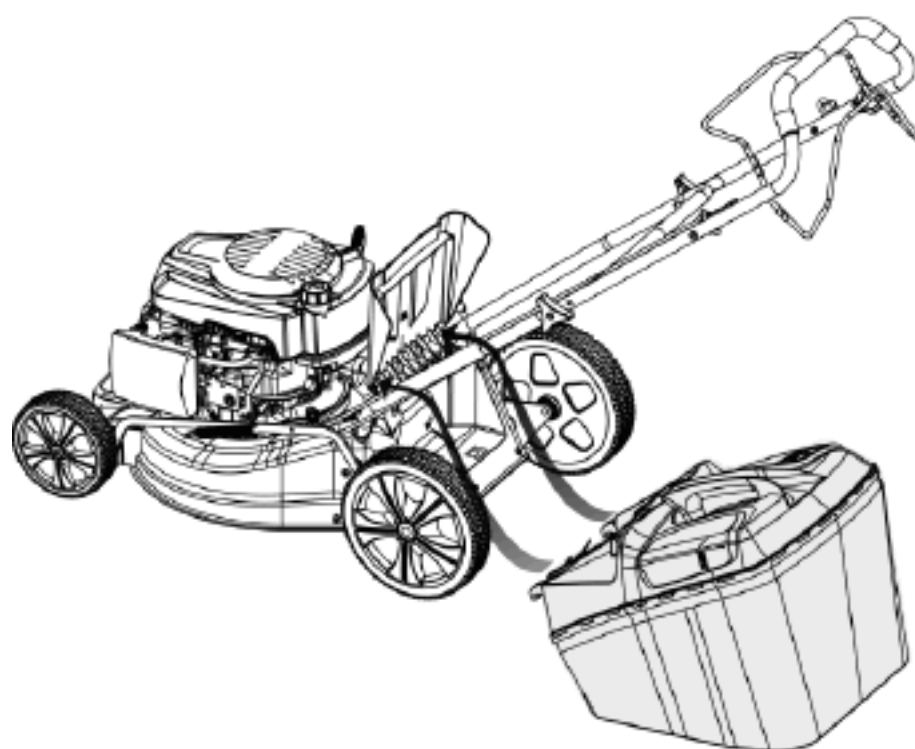


Fig. D



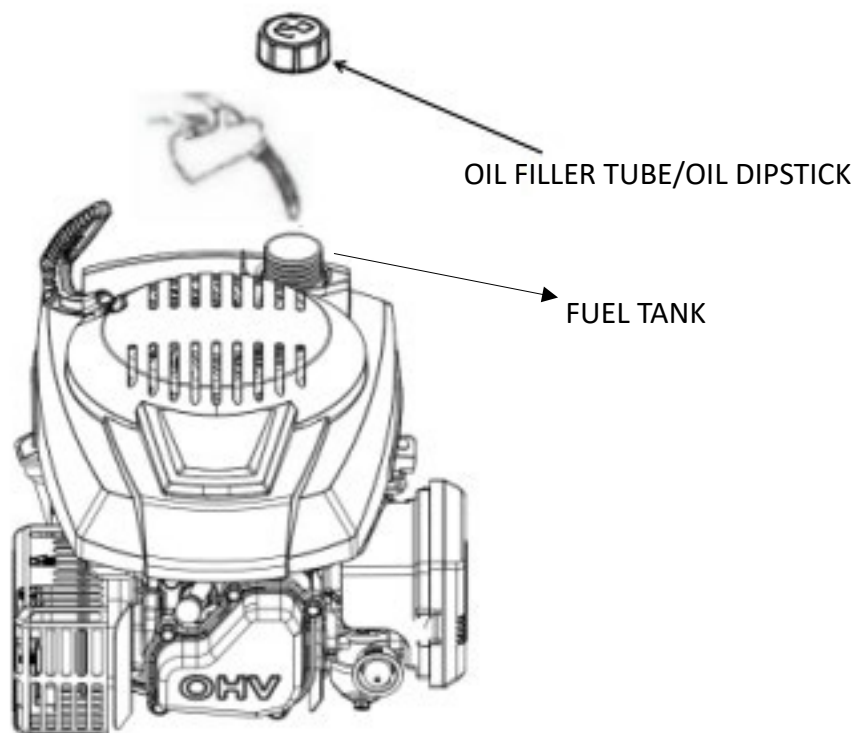
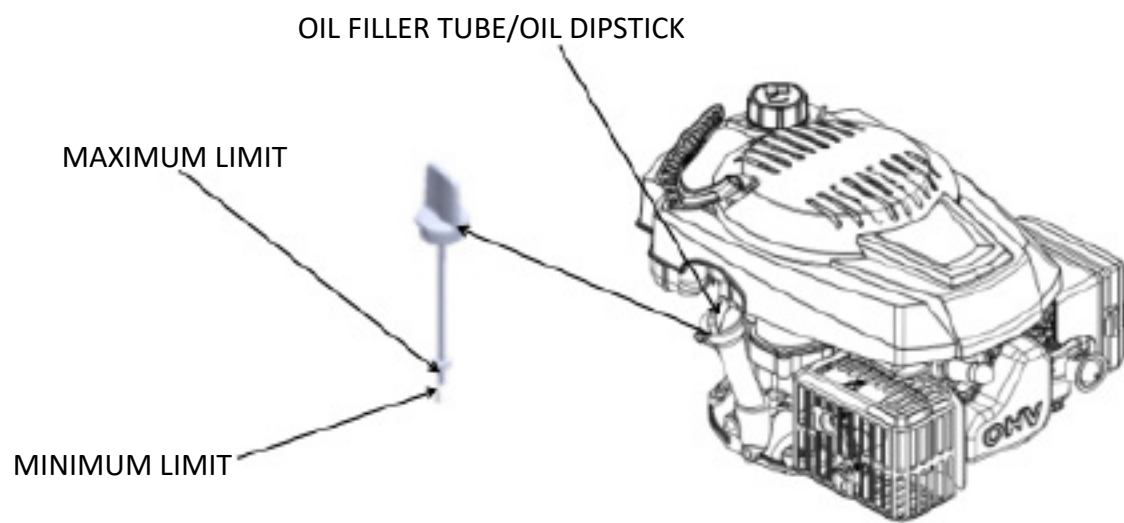
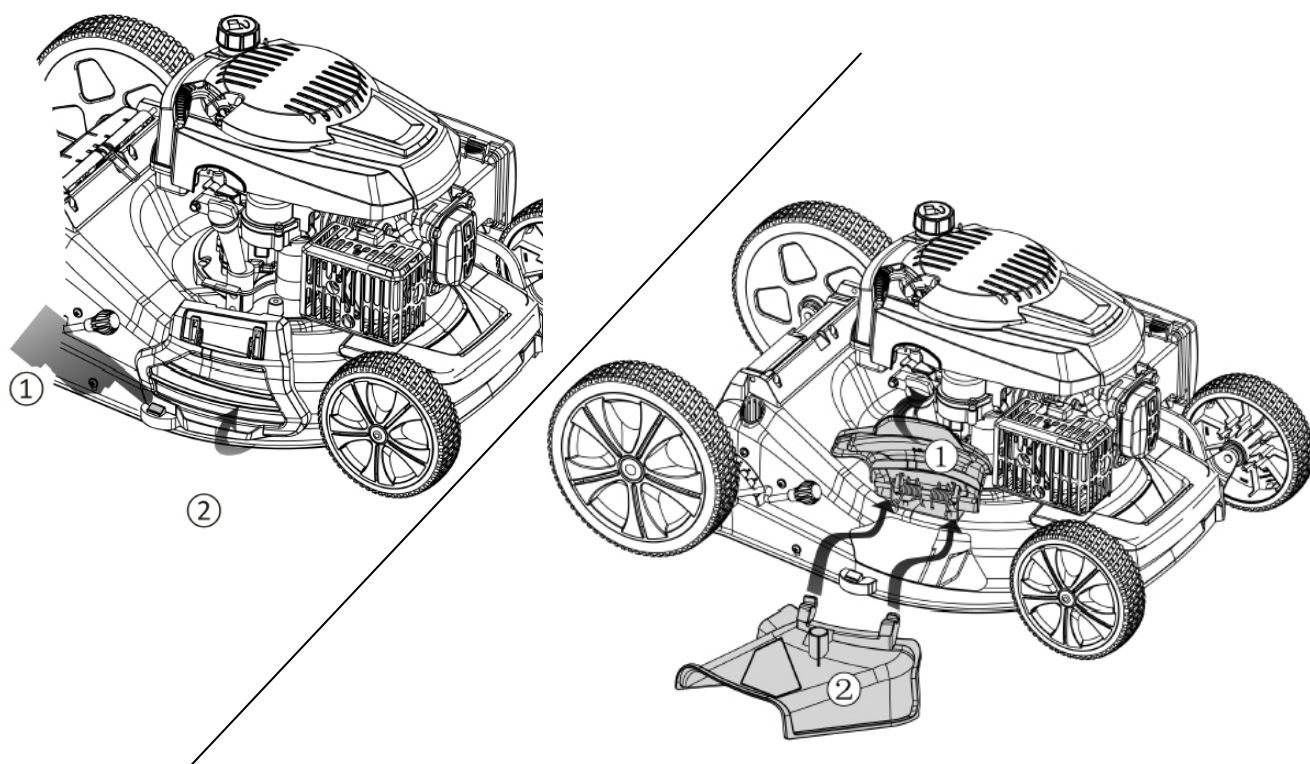


Fig. P-Q



GENERAL SAFETY WARNINGS

⚠ WARNING! Read all warnings and all instructions. Failure to comply with warnings and instructions may result in fire and/or serious injury.

Strict adherence to these warnings and the use of personal protective equipment minimize the risk of accidents but do not eliminate them completely.

Use the machine in the ways described in these instructions. Do not use it for purposes for which it is not intended.

These instructions refer to a machine manufactured in several versions; read the instructions carefully and apply them to the machine you own.

Keep all warnings and instructions for future reference.

FUEL: DANGER OF FIRE AND EXPLOSION

⚠ WARNING! Always turn off the engine before refueling.

Fuel and its vapors are easily flammable, be careful not to spill it on hot surfaces. Operate in a well-ventilated outdoor area, do not smoke, do not approach open flames or hot objects.

Use protective glasses and gloves. Do not ingest, do not inhale fuel vapors, and keep it out of reach of children. Avoid contact with skin. In case of accidental contact, wash with plenty of water and consult a doctor if necessary.

⚠ WARNING! Do not use the machine in environments with risk of explosion and/or fire, in enclosed spaces, in the presence of liquids, gases, dust, vapors, acids, and flammable and/or explosive elements. Do not use the machine in the presence of ignition sources such as open flames, cigarettes, sparks, etc.

EXHAUST GAS: DANGER OF POISONING

⚠ WARNING! The engine emits a poisonous, odorless, and colorless gas containing carbon monoxide: inhalation causes nausea, fainting, and death.

⚠ WARNING! The engine emits a poisonous, odorless, and colorless gas containing carbon monoxide: inhalation causes nausea, fainting, and death.

⚠ WARNING! Do not operate the machine in enclosed or poorly ventilated environments. Do not breathe exhaust gases. In case of accidental inhalation, consult a doctor immediately.

HOT SURFACES: DANGER OF BURNS

⚠ WARNING! During operation, some external surfaces of the machine may reach high temperatures, remaining hot even for several hours after the engine has stopped. In particular, pay attention to the exhaust system and the hot parts of the engine such as the cylinder head.

ACCESSIBLE MOVING PARTS: DANGER OF CUTTING

⚠ WARNING! During operation, some external surfaces of the machine may reach high temperatures, remaining hot even for several hours after the engine has stopped. In particular, pay attention to the exhaust system and the hot parts of the engine such as the cylinder head.

1) Training

- a) read the instructions carefully. Familiarize yourself with the controls and the correct use of the machine;
- b) never allow the lawnmower to be used by children or by people who are not familiar with these instructions or by people with reduced mental capacity. Local regulations may set a minimum age for the operator;
- c) never use the lawnmower in the presence of people, especially children, or animals nearby;
- d) do not forget that the operator or user is responsible for accidents or dangers that may befall other people or their property;

- e) keep children, bystanders, and animals at least 10 meters away while the machine is operating;
- f) do not operate the machine when you are tired or under the influence of drugs, alcohol, or medication;
- g) use personal protective equipment. Protective equipment such as safety glasses, dust mask (on dusty surfaces), hearing protection, protective gloves, sturdy close-fitting clothing, and non-slip protective footwear reduce the risk of personal injury.

2) Preparation

- a) when mowing, always wear sturdy footwear and long trousers. Do not use the machine when barefoot or wearing sandals;
- b) thoroughly inspect the area where the machine will be used and remove all objects that could be thrown by the machine;
- c) **WARNING** - Gasoline is highly flammable.
 - store fuel in suitable containers,
 - refuel only outdoors and do not smoke during this operation,
 - add fuel before starting the engine. Never remove the fuel tank cap or add gasoline when the engine is running or hot,
 - in case of gasoline spillage, do not attempt to start the engine but move the machine away from the area where the spillage occurred, avoiding any sources of ignition until the gasoline vapors have dissipated,
 - properly replace the caps on the tank and gasoline container;
- d) replace defective mufflers;
- e) before use, always carry out a visual inspection to ensure that the blades, blade fixing bolts, and cutting unit are not worn or damaged. Replace damaged or worn blades and fixing bolts in complete sets to maintain balance;
- f) use the machine only with good ambient lighting;
- g) keep the nylon bags included in the packaging in a safe place. Bags can cause suffocation and children must not have access to them.

3) Operation

- a) do not operate the engine in an enclosed place where harmful carbon monoxide fumes may accumulate;
- b) cut the grass only in daylight or in the presence of good artificial light;
- c) do not cut wet grass and do not use the machine in case of rain;
- d) always ensure your footing on slopes;
- e) walk, never run. For machines with traction: adjust your pace to the speed set by the machine, do not brake or push the machine.
- f) in the case of vertical shaft machines on wheels, cut the grass across the slope, never uphill or downhill;
- g) exercise extreme caution when changing direction on slopes;
- h) do not cut grass on excessively steep slopes;
- i) use maximum caution when reversing direction or pulling the lawnmower towards yourself;
- j) stop the blade(s) if the lawnmower needs to be tilted to be transported across non-grassy surfaces, and when it must be transported to and from an area to be mowed;
- k) never use the lawnmower if the guards are defective, or without having installed the safety devices, such as deflection and/or grass collection bags;
- l) do not modify the setting of the engine speed regulator or allow the engine to reach an overspeed condition;

- m) disengage all blade and transmission clutches before starting the engine;
- n) start the engine carefully according to the instructions, keeping your feet well away from the blade(s);
- o) do not tilt the lawnmower during starting and engine operations, unless the machine must be tilted for starting. In this case, do not tilt it more than necessary and lift only the part furthest from the operator;
- p) do not start the engine when standing in front of the exhaust duct;
- q) do not put hands or feet near or under rotating parts. Always keep the discharge opening clean;
- r) never lift or transport a lawnmower when the engine is running;
- s) stop the engine and disconnect the spark plug cable:
 - before removing blockages or clearing the discharge duct,
 - before checking, cleaning, or repairing the lawnmower,
 - after hitting a foreign object. Check for any damage to the lawnmower and carry out the necessary repairs before restarting and using the machine,
 - if the lawnmower begins to vibrate abnormally (immediately investigate the cause of the vibrations);
- t) stop the engine:
 - whenever you move away from the lawnmower,
 - before refueling;
- u) reduce the throttle setting when shutting off the engine and, if the engine is equipped with a shut-off valve, stop the fuel flow after mowing;
- v) remove any adjustment key before starting the machine;
- w) do not use the machine if the start and stop controls do not operate correctly;
- x) keep the safety distance from the machine as given by the upper handle;
- y) after turning off the engine, the blade continues to rotate for a few seconds.

4) Maintenance and storage

- a) keep all nuts, bolts, and screws tight to ensure the machine operates safely;
- b) never store the machine with gasoline in the tank inside a building where vapors may reach an open flame or spark;
- c) allow the engine to cool before storing the machine in any enclosed area;
- d) to reduce the risk of fire, keep the engine, muffler, battery compartment, and gasoline storage area free from grass, leaves, or excessive grease;
- e) frequently check that the grass collection bag does not show signs of wear or deterioration;
- f) replace worn or damaged parts for safety reasons;
- g) if the fuel tank needs to be emptied, perform this operation outdoors.
- h) keep the cutting blade clean and sharp;
- i) have maintenance operations on the machine carried out by qualified technical personnel using only original spare parts;
- l) do not attempt to repair the machine or access internal components;
- m) request only original spare parts.

SAFETY WARNINGS FOR NOISE AND VIBRATIONS

The reported noise and vibration levels are average values for machine use. The use on different types of lawns, changes in engine speed, faster or slower movement, a dull blade, and lack of maintenance significantly affect noise emissions and vibrations. Therefore, take all preventive measures to eliminate possible physical damage due to high noise levels and vibration stress; wear hearing protection, anti-vibration gloves, take breaks during operation, and keep the machine and blade in good condition.

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SYMBOLS

Carefully observe the symbols and memorize their respective meanings. Correct interpretation of the symbols allows for safer use of the machine.

1. Attention!
2. Read all instructions before use.
3. Wear protective glasses and hearing protection.
4. Wear gloves and protective footwear.
5. Risk of cutting. Keep hands and feet away while the blade is moving. The blade continues to rotate for a few seconds after turning off the machine.
6. Risk of sudden start-up. Before any maintenance turn off and disconnect the cap from the spark plug.
7. Risk of thrown material. Keep bystanders at a safe distance, close all covers, and install the collection basket.
8. Risk of burns. Some parts of the machine reach a high temperature.
9. Risk of poisoning. Do not inhale exhaust gases. Do not use in an enclosed environment.
10. Risk of fire. Fuel and lubricating oil are easily flammable. Do not use open flames and do not smoke.



We thank you for choosing us when selecting this machine, hereinafter referred to as "petrol lawnmower".

⚠ WARNING! The petrol lawnmower is suitable for cutting grass on open and flat surfaces such as those of a garden. Any other use is prohibited.

These instructions provide the information and what is deemed necessary for the proper use, understanding, and normal maintenance of the machine. They do not provide information on gardening techniques; the user will find more information in specific books and publications or by attending specialized courses.

COMPONENTS

Refer to fig. A and following:

1. Upper handle
2. Engine start/stop lever
3. Drive engagement lever
5. Lower handle
6. Fixing plate
7. Fixing knob
8. Cable clamp
9. Handle support
10. Recoil starter handle
14. Rear door
15. Collection basket
18. Lubricant level and refill cap
19. Spark plug
20. Spark plug cap
22. Fuel cap
23. Air filter
24. Muffler
25. Cutting height adjustment lever
31. Carburetor priming pump
39. Washing connector

INSTALLATION

⚠ WARNING! The manufacturer declines all responsibility for any direct and/or indirect damages caused by incorrect installation.

TRANSPORT

To transport the machine, always use its packaging; this will protect it from shocks, dust, and moisture that could compromise its proper functioning.

During transport, detach the basket, remove the spark plug cap, fold the upper part of the handle over the engine (first loosen the fixing knobs), and completely empty the fuel tank.

Lift the machine with two people and never alone, keeping it horizontal. If transported on a vehicle, secure the machine well with tensioning straps to prevent sudden movements due to braking, curves, bumps, etc.

HANDLING

Handling on a non-grassy surface must always be done with the engine off and by pushing the machine manually. On an already mown lawn, it is possible to keep the engine running and use the traction (if present), although the passage may "mark" the grass with an unsightly result.

COMMISSIONING

In the place where you will use the machine, it is advisable to consider:

- that adverse weather conditions such as rain or thunderstorms are not present.
- that there is a wide operating area around, free from obstacles.
- that there is good natural or artificial lighting.
- that the lawn is suitable and the grass is not excessively high, is not wet, and is free of stones, protruding roots, branches, pipes, electrical cables, objects, etc. that could damage the machine and endanger the user.
- that strangers, children, and animals are not present.

ASSEMBLY

⚠ WARNING! Before carrying out the following operations, make sure that the spark plug cap is disconnected.

Remove the machine and components and visually check their perfect integrity.

ASSEMBLY OF THE HANDLES AND THROTTLE CONTROL (fig.C)

1. Fig.C: take the lower handle (pos.5) and fasten it with the screws (pos.7) to the two plates (pos.6) of the machine, to the right and left of the rear door (pos.14). For some models, there is more than one fixing position for the lower handles to allow adjustment of the final height of the upper handle. The sheaths and control cables must be positioned above the handle. Note: the lower handle may consist of two pieces instead of one.
2. Fig.C: take the upper handle (pos.1) and position it at the end of the lower handle, aligning the fixing holes.
3. Fig.C: screw in the knobs (pos.7) keeping the cable sheaths above the handle. If the screws are of the quick-release type (knob plus lever), then screw in the knob without tightening and then tilt the lever by 90°. Insert the clamps (pos.8) over the handles to secure the sheaths and control cables.
4. Fig.C: insert the threaded part of the ring support (pos.9) for the starter handle (pos.10) into the hole on the upper right side of the handle and slightly tighten the nut. Now grasp the starter handle positioned above the engine, pull it slowly up to the support and insert the cord into the ring; at this point, fully tighten the nut and release the handle, which will stop on the newly installed support.
5. Fig.C: mount the throttle control lever onto the hole in the handle upper left side and fully tighten the nut. Perform a functional test by moving the lever forward and backward; it should move smoothly without obstruction.

ASSEMBLY OF THE COLLECTION BASKET (fig.D)

⚠ WARNING! The operation of attaching and detaching the basket during use of the lawnmower must only be carried out with the engine off, the blade completely stopped, and the spark plug cap removed.

1. Fig.D: lift the rear flap (pos.14) and keep it open. You will notice that the basket (pos.15) has protruding ends that will hook onto the shaft (pos.6) of the flap.
2. Fig.D: grasp the basket by its handle and insert it until it hooks onto the two plates, then guide the rear flap by hand until it rests on the basket to close all openings. Check that the basket is stable and cannot detach.

BLADE FASTENING CHECK

⚠ WARNING! Each operation indicated below must be carried out with the engine off, the blade stopped, and the spark plug cap removed. Wear protective gloves.

This check must be performed at the first use of the lawnmower. Avoid turning the blade by hand as it is directly connected to the piston and may compress the engine's combustion chamber.

1. Remove the spark plug cap (pos.20) from the spark plug (pos.19) to prevent accidental starting.
2. Tilt the lawnmower to access underneath the machine. Secure the position with straps to prevent the machine from falling on you.
3. With one hand, hold the blade away from the cutting area and, using a socket hex key, check the tightening of the screw.

⚠ WARNING! Now proceed with commissioning the engine by reading and following the instructions in the next chapter.

4-STROKE PETROL ENGINE (4T)

⚠ WARNING! Each operation indicated below must be carried out with the engine off.

⚠ WARNING! Wear protective gloves and goggles.

The engine is supplied without lubricating oil and without fuel. Running the engine without oil or with an insufficient level will irreparably damage it and void the warranty.

ENGINE OIL

⚠ WARNING! The engine is supplied without lubrication oil: do not operate the machine! It is necessary to fill it first.

Use a high-quality, highly detergent 4T engine oil, classified as API categories SG and SF. An SAE 15W-40 oil is suitable for all operating temperatures, but it is always best to choose the type of oil based on the average temperatures of the area.

Ambient operating temperature	Oil viscosity grade
from 0°C to 25°C	SAE 20W, 10W-30, 15W-40
from 25°C to 35°C	SAE 30W, 10W-30, 15W-40
above 35°C and up to 45°C	SAE 40W

FIRST USE AND ENGINE OIL TOP-UP

1. Place the machine stably on a horizontal surface.
2. Unscrew the oil filler cap (pos.18) counterclockwise and clean the end.
3. Pour in the required amount of oil (see technical data).
4. Insert the cap again, wait a few seconds and check the oil level as shown in the figure, top up if necessary. The engine oil level must be within the range indicated on the dipstick; a quantity lower or higher than prescribed will damage the engine.
5. Screw the cap back on by turning it clockwise.
6. Wipe off any oil drops on the machine with a cloth.

SUBSEQUENT USES, ENGINE OIL LEVEL CHECK AND TOP-UP

⚠ WARNING! The check must be carried out with the engine cold before each use.

1. Place the machine stably on a horizontal surface.
2. Unscrew the oil filler cap (pos.18) counterclockwise and clean the end.
3. Insert the cap again, wait a few seconds and check the oil level as shown in the figure, top up if necessary. The engine oil level must be within the range indicated on the dipstick; a quantity lower or higher than prescribed will damage the engine.
4. Screw the cap back on by turning it clockwise.
5. Wipe off any oil drops on the machine with a cloth.

FUEL REFILLING

⚠ WARNING! Risk of fire and explosion. Refuel only with the engine off, in an open and ventilated area. If spilled on the machine or on the floor, dry thoroughly before starting the machine.

⚠ WARNING! Risk of fire and explosion. Do not pour fuel on the hot surfaces of the engine.

Use only unleaded gasoline for vehicles (green gasoline or Eurosuper) with an octane rating of 95. Never use oil-gasoline mixtures, dirty or old fuel, or gasoline containing alcohol. Be careful not to let water or dirt enter the tank.

1. Place the machine stably on a horizontal surface.
2. Unscrew the tank cap (pos.22) by turning it counterclockwise.
3. Fill the tank (pos.21) without overflowing, using a wide funnel (not included). Observe any instructions on the tank; if none are present, keep the maximum level 5cm below the rim.
4. Tighten the cap well by turning it clockwise.

STARTING AND STOPPING

⚠ WARNING! Before starting the machine, it is mandatory wear all personal protective equipment (not included), mentioned in the Safety Warnings.

⚠ WARNING! As soon as the engine starts, the blade will begin to rotate.

Before proceeding with starting the engine, check that you have carried out the operations required by the previous chapters for commissioning the machine and the engine.

COLD ENGINE START

1. Check the engine oil level and fill the fuel tank.
2. Open the fuel tap (if present) by moving the lever to OPEN.
3. For engines equipped with a primer pump on the carburetor (pos.31): prime the fuel circuit by pressing the primer pump 3 times.
4. With your left hand, pull and hold the starter lever (pos.2) against the handle.
5. With your right hand, grasp the starter handle (pos.10), pull slowly until you feel resistance, then pull vigorously with a firm motion; release the handle once the engine has started. If the engine does not start, repeat this operation several times; if starting is unsuccessful, consult the chapter "Problems, causes and remedies".

HOT ENGINE START

Carry out the same operations as above, with the only difference being not to prime the fuel circuit more than 1 - 2 times.

ENGINE SHUTDOWN AND BLADE STOP

⚠ WARNING! The engine and blade continue to rotate for a few seconds after the machine is turned off.

1. To stop the engine, release the starter lever (pos.2) keeping your hands resting on the upper handle.
2. Close the fuel tap (if present) by moving the lever to CLOSE.

ENGINE BREAK-IN

During the first 10 hours of operation, the engine must not be excessively stressed; therefore, during this period do not run it at maximum speed with no load and do not force the machine by cutting tall grass; excessive stress can be noticed by the engine speed dropping from constant to lower, with a deeper sound.

We recommend repeating these operations several times before starting work in order to become as familiar as possible with the controls.

If you notice any operating anomalies, turn off the machine and consult the chapter "Problems, causes and remedies". When not working, turn off the machine.

INSTRUCTIONS FOR USE

After carefully reading the previous chapters, follow these instructions scrupulously to achieve maximum performance. Proceed calmly so that you become familiar with all the controls; only after gaining good experience will you be able to fully exploit all its potential.

BLADE

The type, size, and efficiency of the blade are fundamental for the successful completion of the work you are about to perform; always keep it sharp and in perfect condition. Seen from below (mounting position) it must rotate counterclockwise. Each end consists of a cutting edge (in the direction of rotation) and an edge bent towards the inside of the lawnmower housing. When the short side has been worn down by half as a result of sharpening, it is necessary to replace it.

The characteristic size of the blade is the diagonal measurement of the long side (cutting diameter): refer to the attached technical data to identify the cutting size and to install the correct replacement.

LAWN MOWING

Proceed calmly and carefully follow the instructions below:

- Remove foreign objects from the lawn such as stones, wires, pipes, branches, and other items, etc. Pay attention to manholes and protruding irrigation points.
- Avoid stepping on the grass to prevent crushing it.
- Wear the personal protective equipment listed in the chapter.

Warnings.

- Sharpen the blade.
- Check the engine oil level.
- Obtain the necessary fuel, a funnel, and a rag, and refuel the tank. Do not refuel on the lawn because fuel is poisonous to the grass.
- Adjust the cutting height by varying the distance between the blade and the ground. Grasp the adjustment lever (pos.25) and insert it into one of the slots on the housing. It is recommended not to cut more than 1/3 of the height of the grass blade, in order not to damage the plants and prevent their subsequent growth. If the lawn is tall and/or particularly thick, it will be necessary to make two or more passes, gradually adjusting the cutting height.

The lawnmower can perform various functions of collecting, discharging, or mulching the cut grass:

- Cutting with grass collection (fig.A): fit the collection basket (pos.15) and check that the doors are closed.

Model with side deflector

- Cutting with side discharge (fig.P-Q): fit the deflector and the discharge closure in the housing, remove the basket and close the rear door. It is used for particularly tall grass in neglected lawns and if you wish to leave the grass to dry for later collection.

Mulching model

- Mulching cut without discharge (fig.Q): fit the closure discharge, remove the basket, close the rear and side doors. It is used for well-maintained grass and for frequent small cuts; the cut grass will become a fertilizer, it is recommended to aerate the soil several times during the year.

Operator:

Maintain the operating position with the lawnmower placed in front of you; the upper handle will keep you at a safe distance from the cutting area. Never stand beside or in front of the lawnmower. If you use the lawnmower without a collection basket, pay attention to the movement of your feet, which must always remain at a safe distance; in particular, pay maximum attention when moving the lawnmower backwards, reversing, and cutting on sloped ground.

To avoid muscle problems resulting from incorrect posture, try as much as possible to keep your back straight and avoid bending forward, stretch your arms forward and maintain your balance without leaning on the handle.

Forward movement:

• Push model:

Grasp the upper handle with both hands and, walking slowly, push the lawnmower forward.

• Model with drive:

After starting the engine, press the drive engagement lever (if present, pos.3) to move the lawnmower forward. Adjust your pace to the forward speed, without braking or accelerating, or holding back or pushing the lawnmower. If present, operate the lever to adjust the forward speed to suit your needs. To stop the lawnmower, release the lever (pos.3).

Note: during engine starting phases, do not press the drive engagement lever.

Cutting:

The use of hearing protection also reduces any audible warnings to attract your attention (such as a vehicle horn), so avoid standing in transit areas and always pay close attention to the area in which you are operating.

Start the lawnmower on a clean, non-grassy surface and proceed immediately to cutting the grass. It is recommended to move along the long side of the lawn, in parallel strips, to minimize changes of direction and achieve a good visual effect of the cut grass.

Avoid passing over piles of previously cut grass to prevent clogging the discharge and overloading the engine operation. When the basket is full, turn off the engine, wait for the blade to stop, and disconnect the spark plug cap before detaching the basket to empty it.

The rotation of the blade, in addition to cutting the grass, creates an air vortex that sucks up the cut grass and anything else under the housing and in its immediate vicinity; pay attention when passing along the edges of the lawn to avoid sucking up gravel, pumice, bark, etc., which can damage the machine and be ejected around, posing a risk of hitting people or objects.

Pay attention to obstacles (protruding roots, manholes, sidewalks, lighting points, etc.), go around them at a distance and then complete the cut with scissors or a trimmer.

Do not let the machine hit fixed obstacles such as a wall, a fence, a tree trunk, etc., as it could be damaged.

In case of necessity or danger, release the lever (pos.2) which will stop the engine.

MAINTENANCE

⚠ WARNING! Each operation indicated below must be carried out with the engine off, the blade stopped, the spark plug cap disconnected, and the engine cooled to room temperature.

⚠ WARNING! Do not tamper with or attempt to repair the machine.

⚠ WARNING! If you have any doubts about how to proceed, consult an authorized service center.

Clean regularly and take care of your machine, you will ensure perfect efficiency and a long service life.

ORDINARY AND PERIODIC MAINTENANCE

Component	When	What to do
Lawnmower and blade	After each use	• Remove grass and soil using a wooden stick and a plastic brush. • Check for the absence of breaks, deformations, cracks, bends, crushing, wear, corrosion. • Check the wear condition of the blade, sharpening, and balancing. Sharpen or replace as necessary.
Collection basket	After each use	Remove grass and soil, do not use sharp objects. If necessary, wash with water and dry thoroughly.
Handle and control levers	After each use	Clean the handles from dirt and dry them thoroughly from traces of oil, fuel, or moisture.
Engine	After each use	• Keep the cooling fins clean with a brush. • Keep all ventilation slots in the engine free and clean.
Fuel lines	After each use	• Check for the absence of cuts or cracks. • Check that there are no fuel leaks. If necessary, have the hoses replaced by an authorized service center. • The fuel filter, if present, is located along the fuel line, between the tank and the carburetor. Check and clean at least every 3 tankfuls or in case of engine malfunction.
Air filter	Clean every 50 hours of operation. Replace every 100 hours of operation. If used in dusty environments, reduce cleaning and replacement intervals.	1. Open the filter box cover (pos.23). 2. Remove the filter element. 3. Gently tap it against a surface so that impurities come off. 4. Reinstall the filter and its cover.
Spark plug	Clean every 25 hours of operation. Replace every 100 hours of operation. For the type of spark plug, see the technical data in the instructions.	1. Remove the spark plug cap and unscrew the spark plug with the appropriate wrench (pos.19-20). 2. Examine the spark plug and if there are carbon deposits, remove them with a wire brush (not included). If the electrode is excessively worn or the insulator is damaged, replace the spark plug. 3. Measure the distance between the electrodes with a feeler gauge (not included) according to the value shown in fig.F, adjust if necessary. 4. Screw in the spark plug by hand. 5. Tighten the spark plug with the appropriate wrench for about ¼ turn with a used spark plug, about ½ turn with a new spark plug.
Checking the engine oil level	Before each use	Carry out the check and top-up as indicated in the "Internal combustion engine" chapter.
Engine oil replacement	After the first month or the first 20 hours of operation. Subsequently every 12 months or 80 hours of operation.	• Engine oil replacement must be carried out by an authorized service center. • Used oil must be disposed of at the appropriate collection and disposal centers.
General inspection	Every 12 months or every 80 hours of operation at the time of the engine oil change.	Take the machine to an authorized service center for a general inspection.

BLADE SHARPENING AND REPLACEMENT

⚠ WARNING! Each operation indicated below must be carried out with the engine off, the blade stopped, the spark plug cap disconnected, and the fuel tank empty. Wear protective gloves.

⚠ WARNING! The blade assembly must be carried out perfectly according to the rules of the trade. Incorrect assembly creates hazards.

If the blade needs to be replaced due to its poor condition, use only original spare parts of the same size and shape.

If you are not familiar with handling and assembling mechanical components, we recommend contacting an authorized service center.

Avoid turning the blade by hand as it is directly connected to the piston and may compress the engine's combustion chamber.

1. Wear gloves to protect your hands.
2. Remove the spark plug cap (pos.20) from the spark plug (pos.19) to prevent accidental starting and empty the tank.
3. Tilt the lawnmower as shown in the figure to access underneath the machine (the tank cap and carburetor will be at the top). Secure the position with straps to prevent the machine from falling on you.
4. With one hand, hold the blade away from the cutting edge and use a hex socket wrench to unscrew the bolt. Remove the washer and disassemble the blade.
5. Sharpen both cutting edges of the blade, maintaining the cutting angle.
6. Check the balance of the blade; if necessary, sharpen one of the edges further to counterbalance.
7. Reinstall the blade on the end of the engine shaft (make sure to align the positioning pins and the corresponding holes on the blade); the cutting edge of the blade must face the ground. Insert the washer and tighten the bolt with a torque of 30Nm.
8. Visually check the correct assembly of the blade.
9. Return the lawnmower to a horizontal position and start the engine to perform a no-load test for 30 seconds.

TRACTION CONTROL ADJUSTMENT (FOR LAWNMOWERS WITH TRACTION)

on the assembly line, however, with use of the machine and normal wear of some components, the traction may slip, transmitting little power to the wheels and wearing out the belt.

To restore traction to the wheels, it is necessary to adjust the drive cable using the screw tensioner:

1. Loosen the nut.
2. Unscrew the tensioner as needed
3. Check that the lever has a small initial play and, when pressed further, engages the traction in the rear wheels.
4. Tighten the nut fully to lock the tensioner in position.

INTERNAL DECK WASHING

This operation is only possible if the water fitting (pos.39) is present on the lawnmower deck.

1. Place the lawnmower on a flat and clean surface (without stones or sand), such as a concrete floor or similar.
2. Set the cutting height to the minimum level
3. Empty the basket and mount it on the lawnmower
4. Connect the fitting of a water hose (not included) to the fitting on the lawnmower (pos.39) and open the tap
5. Be careful because the floor will be wet and you may slip
6. Start the lawnmower and, keeping it stationary, let it run for a few minutes (the duration depends on the amount of dirt and whether it is dry)
7. Turn off the lawnmower, close the water tap, and disconnect the hose
8. Unhook the basket and empty it of dirt, then wash it with water
9. Dry the lawnmower and the basket with a cloth. If the basket is made of fabric, it must be left to dry thoroughly before reuse.

ORDINARY AND PERIODIC MAINTENANCE

PROBLEM	CAUSES	REMEDIES
The engine does not start	Start lever not pressed	Press the start lever fully
	The throttle control lever is not in the starting position	Move the lever to the starting position
	Lack of fuel in the tank	Refuel
	Old, dirty, or water-contaminated fuel	Empty the tank and fill with new fuel
	The fuel supply circuit is not primed	Prime the engine by operating the appropriate pump (if present) on the carburetor (see starting procedure)
	Fuel tap closed (if present)	Open the tap
	The fuel lines are clogged or bent	Clean the fuel lines and check that there are no bends along the route
	Tank dirty or with water inside	Completely empty the tank and refuel
	Spark plug dirty, worn, or faulty	Clean the spark plug and check the gap between the electrodes, replace if necessary.
	Spark plug cap disconnected	Fit the cap onto the spark plug
	Mechanical or electrical fault	Contact an authorized service center
The engine starts but stops immediately. The engine stops during cutting.	The fuel tank cap vent hole is blocked	Clean the fuel tank cap
	Fuel exhausted	Refuel
	Fuel tap closed (if present)	Open the tap
	Faulty spark plug	Replace the spark plug
	The grass prevents the blade from rotating (possibly due to a full basket).	Empty the basket and clean the inside of the housing.
	Excessive cutting height	Reduce the cutting height.
The basket does not fill and the cut grass remains on the lawn.	Wet grass	Cut when the grass is dry
	Basket ventilation slots blocked	Clean the collection basket
The machine struggles to cut	Blade without edge	Sharpen both edges
	Blade mounted backwards	Remove the blade and reinstall it in the correct direction

STORAGE

Thoroughly clean the entire machine and its accessory parts (see Maintenance section). Protect the unpainted parts with protective oil and use the original packaging to protect it. Store the machine out of reach of children, in a stable and safe position. The place must be dry, dust-free, temperate, and protected from direct sunlight.

Children and unauthorized persons must not have access to the storage area.

⚠ WARNING! Hot surfaces. Some parts remain at high temperatures even for several hours after the machine has stopped; wait for complete cooling before storage.

1. Remove all fuel from the tank.
2. Pour a few drops of oil into the spark plug hole, replace the spark plug, and put the engine in compression position (gently operate the recoil starter lever).

DISPOSAL

For environmental protection, proceed according to the laws in force in your country. Contact the competent authorities for further information on the matter.

When the machine is no longer usable or repairable, deliver it with its packaging to a recycling collection point.

WARRANTY

The product is protected by law against non-conformity with the declared characteristics, provided it has been used exclusively as described in the instructions, has not been tampered with in any way, has been properly stored, has been repaired by authorized technicians, and, where required, only original spare parts have been used. In case of industrial or professional use or similar application, the warranty is valid for 12 months. To submit a warranty claim, it is necessary to present proof of purchase to the dealer or an authorized service center.

⚠ WARNING! If, after performing the above operations, the machine does not function correctly or in case of anomalies other than those indicated, take it to an authorized service center, presenting proof of purchase and requesting original spare parts. Always refer to the information shown on the technical data label.

EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELIJKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTAMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:

Blue Bird Industries Fabbrica Motori SRL
Via Due Camini 19, 36010 Zanè (VI), Italia

2) DESCRIPTION OF THE MACHINERY – BESCHREIBUNG DER MASCHINE – DESCRIPTION DE LA MACHINE – DESCRIPCION DE LA MAQUINARIA – DESCRIZIONE DELLA MACCHINA – BESCHRIJVING VAN DE MACHINE – BESKRIVELSE AF MASKINEN – DESCRIÇÃO DA MAQUINA – KONEEN NIMITYS – MATERIELSLAG – BESKRIVELSE AV MASKINERIE – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
RASAERBA - LAWNMOWER

a) MAKE – FABRIKAT – MARQUE – MARCA – MARCA – MERK – MÆRKE – MARCA – MERKKI – FABRIKAT – FABRIKANT – MAPKA – MARKA:
BLUE BIRD

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / ΤΥΠΕ / ΤΥΡ:

SPRINT B42
SPRINT B46 T
SPRINT H46 T
SPRINT B51 T
SPRINT H51 T

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato VI – Sound Power Levels performed per annex VI	
TIPO	Livelli di Potenza Sonora Misurata / Livelli di Potenza Sonora Garantita LWA Sound Power Levels Measured / Sound Power Level Guaranteed LWA (dB)
<i>SPRINT B42</i>	95/96
<i>SPRINT B46 T</i>	95/96
<i>SPRINT H46 T</i>	97/98
<i>SPRINT B51 T</i>	94/95
<i>SPRINT H51 T</i>	96/97

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas :

- 2006/42/EC – 2014/30/EU – 2000/14/EC (2005/88/EC) – 2011/65/EU

d) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIN/YHTEISIIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ- ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN ISO 5395-1:2013/A1:2018 EN ISO 5395-2:2013/A2:2017

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BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

ZANÈ (VI) – ITALIA

30 – 06 – 2020

The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΠΡΟΕΔΡΟΣ – Prezes

VANDA VITELLA

(GB) Technical documentation maintained by
(F) Documentation technique maintenue par
(I) Documentazione tecnica conservata da
(DK) Teknisk dokumentation tilhørdhallen av
(FI) Teknisten asiakirjojen ylläpitäjä
(NO) Teknisk dokumentasjon vedlikeholdt av

(D) Technische Dokumentation aktualisiert durch
(E) Documentación técnica mantenida por
(NL) Technische documentatie onderhouden door
(P) Documentação técnica mantida por
(SE) Teknisk dokumentation tillhandhållen av
(GR) τεχνικό φάκελο που τηρείται από

BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

VANDA VITELLA



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