



BLUEBIRD INDUSTRIES



BRUSH SHREDDERS *FM600*

READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE
OPERATING THE MACHINE FOR YOUR SAFETY.

Translation of the Original Instructions

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CONGRATULATIONS AND THANK YOU FOR PURCHASING OUR NEW BRUSH CUTTER MODEL

PLEASE READ THE INSTRUCTIONS TO USE THE MACHINE PROPERLY. IF THE INSTRUCTIONS ARE FOLLOWED PROPERLY, SAFE OPERATION WILL BE ACHIEVED AND RELIABLE PERFORMANCE FROM THE MACHINE.

BASIC WARNINGS

The user is required to know the operating instructions for the machine and to follow them so that neither their own health nor that of others is put at risk.

The safety instructions contained in this manual do not describe all possible situations or conditions that may occur during practical use of the machinery. Safety factors such as common sense, diligence, and meticulousness are not included; it is assumed, in any case, that all persons authorized to operate or maintain the machine possess the required intelligence.

The machine may only be used by persons in good mental and physical condition. For professional use of the machine, the owner is required to ensure workplace safety training and provide instructions on operating the machine to operators, as well as keep records of these trainings and meetings. 'Additionally, the owner is required to carry out so-called job categorization according to current national legislation.'

'If any instructions in this manual are unclear, you are encouraged to contact us.'

The manual supplied with the machine is an integral part of the equipment. 'It must be available at all times and positioned where it can be reached without risk of damage.' 'If the machine is sold to another person, the operating instructions must be handed over to the new owner.' 'If the above conditions are not met, the manufacturer will not be held responsible for any risks, accidents or injuries resulting from operation of the machine.'

'The manufacturer will not be held responsible for damages caused by unauthorized or improper use of the machinery or for damages resulting from any modification not authorized by the manufacturer.'

'To prevent injury to operators and others who may be near the machine as well as property damage, it is absolutely necessary to follow safety regulations indicated in these Operating Instructions with the following safety warning symbol:'



'When you see this symbol in this manual, read the following instructions carefully!'

'SAFETY GUIDELINES AND INFORMATION'

'Read carefully, understand and follow all safety instructions contained in this manual.'



'This is the safety alert symbol.' 'When you see this symbol look for one of these signal words.'



The operator must be over 18 years old. He/she is required to know how to operate the machine and should be informed about general workplace safety principles.



Before performing any activity near the machine, turn off the engine and wait until the cutting blade has stopped moving. Before leaving the machine unattended turn off the engine!



Never let the engine run at maximum speed or idle for long periods with cutting blades and drive wheel clutches disengaged! Machine components (belt, pulley clutch pulley etc.) could become damaged.



Before each use check all parts (working mechanisms and their housing) for possible damage or loosening. Defects must be repaired without delay. Repairs must be carried out using original spare parts.



Before using the machine, the cutting surface must be cleared of solid objects such as stones, wires, loose construction debris, etc., which could be thrown or could damage the machine. If these cannot be removed, do not work in those areas.



The machine is equipped with a rotating tool. Ensure that other people move to a safe distance from the machine when it is operating due to the possible ejection of solid objects from the cut surface.



With regard to the recommended upper limits for noise and vibration levels, you are advised to follow the instructions below when operating the machine:

- A) Protect your hearing by using suitable protective devices such as earmuffs or earplugs.
- B) Work with the machine should be interrupted after a maximum of 20 minutes for a minimum break of 10 minutes. During these breaks, the machine operator should not be exposed to other sources of noise or vibration.



Machine operators should use work gear such as close-fitting and appropriate clothing, sturdy shoes, work gloves and protective goggles. Maintain the safety distance provided by the handlebars.



Do not start the engine in enclosed spaces! Pay close attention when using the machine as the exhaust muffler remains hot after the engine has been turned off; ensure there are no leaks or spills on engine parts when refueling. If this occurs, dry any stained parts or wait until the fuel evaporates.



When the machine is moving, all other people (especially children) and animals must stay out of the operator's area around the machine. The machine operator may continue working only after they have been moved to a safe distance.



The removal of any protective equipment or covers from the machine is prohibited.



The accessible tilt angle of the machine is 10°. The maximum working tilt angle of the engine is 20° for prolonged use and 30° for shorter use (about 1 minute).

NOTE: The machine should preferably not be used on wet grass. The ground on which you are moving should always be secure. Carry out work while walking and not running. Be especially cautious when changing direction on a slope. Cutting on steeply sloped terrain should be avoided. If you fall, do not hold onto the machine but let go immediately.



All types of maintenance, adjustments, lubrication and cleaning of the machine must be carried out with the engine off and spark plugs disconnected.

PROVIDED CONTENTS

The machine is delivered partially assembled and carefully packed for shipping. After all parts have been removed from packaging you should have: (Figure 1)

1. Main frame
2. Handlebar



Figure 1

KNOW YOUR MACHINE



Blade activation lever

Push this lever to activate the blades; release it to stop them.

Throttle lever

Use this lever to increase or decrease the acceleration.

Turn signal lever (D)

Press this handle when you want to turn right, and release it when you've finished turning.

Cutting height adjustment lever

Turn this lever clockwise to lower the cutting height, and counterclockwise to raise the cutting height.

Universal wheel lock and unlock lever

Lift this handle when you want to turn the car, and lower it when you just want to drive straight ahead.

Universal locking device

When the swivel casters and the lock/unlock lever are raised, the locking mechanism is released, and the swivel casters are unlocked, allowing the machine to turn right or left. When the lever is lowered, the locking mechanism engages, and the swivel casters are locked, so the machine can only move forward.

Universal wheels

When you want to turn right or left, hold the handlebars firmly to steer the swivel wheels.

OPERATIONS

This machine is similar to any motorized tool; although it is very easy to use, you will need to become somewhat familiar with the controls and balance them in order to master them completely. Before performing any operation, it is a good idea to become well acquainted with the machine's controls and review the entire manual beforehand.

**WARNING**

The machine may be shipped without the engine fluids filled (depending on various national regulations)! Engine without gasoline. Read the engine operating instructions carefully! Possible engine damage may occur.

1. Check the gasoline in the engine and/or fill the engine with the prescribed type and amount of gasoline. Fill the tank with the prescribed type and amount of gasoline.
2. Move the throttle lever to the forward position. Start the engine by pulling the manual starter cord. (Read the engine manual step by step)
3. Let a new or cold engine run for about 30 seconds. Let a new or cold engine run for about 30 seconds at lock (throttle lever in lock position); then move the throttle lever to MAX and let the engine run in this position for about 30 seconds.

**WARNING**

Do not leave the machine unattended while it is operating.

When starting the engine, both levers on the handlebar must be in the off position.

1. Start the engine; when doing so, follow the instructions provided in the operating manual for using the engine.

2. Set maximum engine speed using the throttle lever located on the right handlebar grip. (If the engine is cold, let it warm up at maximum speed for about 1 minute.)

3. Grasp the left handle grip and slowly press down on the drive lever for mowing guidance located on the right handlebar grip with your right hand.

Press slowly up to two-thirds of its travel so that the mowing disc can begin to rotate and so that the engine does not stall.

The start of mowing is accompanied by partial belt slippage and related phenomena such as whistling or rattling noises, which normally disappear once actual belt movement begins.

4. After mowing has started turning, fully press down on the lever on the handlebar and hold it firmly.

Note: With a new or cold engine, stalling may occur during several initial starts of operation. This phenomenon will disappear after the engine has warmed up.

Machine in motion

The travel equipment must be engaged using a lever located on the left handlebar grip. Press down on this lever toward the handlebar and the machine will immediately begin moving forward. 'You should start walking slowly as soon as you press down on this lever and as soon as movement begins.' 'The machine may start moving with a slight jolt: be prepared for this.'

'Before starting to use the machine'

'Before using this machine, ensure that its support area is free from any solid objects such as stones, wires or loose construction debris that could be thrown or otherwise damage your equipment.' 'If these cannot be removed, avoid working in those areas.'

'1) Adjust handlebars into correct position (figure 1,2)'

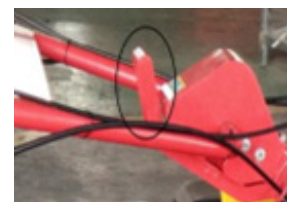


Figure 1

'2) Adjust blade height before starting mowing (Figure 3)'



Figure 2

'Stop your machine'

'Before starting any activity near your machine turn off its motor and wait until mowing has completely stopped!' Always turn off the engine before leaving the machine.

'Never let your motor run at full speed or idle with either clutch disengaged—for either cutting disc gear or drive wheels—for an extended period!' I

'Machine components (belt pulley clutch pump etc.) could be damaged.'

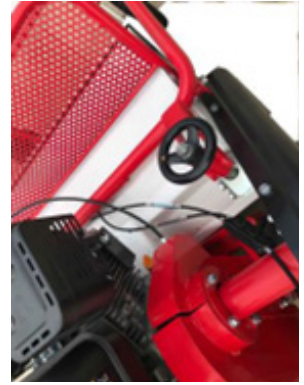


Figure 3

If you wish to stop movement , release left handlebar grip lever ; movement will stop but mowing disc will continue rotating . The mowing disc will stop immediately after releasing right handlebar grip lever . The mowing disc will be stopped by a safety brake .

The engine must be turned off by pushing its lever into stop position . In case of any critical situation , release handlebars immediately . The lever will return to its original position ; both machine and mowing disc will stop . (while motor is still running at regulated speed ; this is why it must be turned off by pushing its lever into stop position as soon as possible !)

MAINTENANCE

To ensure long-term satisfaction with our products, proper care and maintenance are required. Regular servicing of the machine will prevent premature wear while also ensuring the correct functioning of all its parts.

Follow all instructions regarding maintenance intervals and machine adjustments. It is advisable to keep a log of the machine's operating hours and the conditions under which it was working (for service purposes). Just like regular maintenance, post-season maintenance should be entrusted to one of the authorized service centers if you are not confident in your technical skills.

Due to the weight of the machine, its maintenance and repairs must be carried out by a team of two people.

Replacement and sharpening of working blades

If the cutting edges of the working blades show signs of wear or damage that result in machine vibrations, the cutting edges must be renewed or the blades replaced.

The machine must rest on a stable support plate and be secured so that the blade is easily accessible and any unexpected or spontaneous movement of the machine cannot occur. Be very careful when disassembling the blades; their cutting edges are sharp. Protect your hands with work gloves.

The engine must be turned off and both cables and spark plug connector disconnected!

1) When replacing blades, simply loosen the screw and fit the new blade.



Washing and cleaning the machine

When cleaning and washing the machine, comply with current regulations and legislation regarding protection of running water and other water resources against pollution or contamination by chemicals.

Never wash the engine with very hot water! The electrical equipment may not function when starting the engine.

All dirt, debris and plant waste should be removed from the machine at season's end; check integrity of working blades; smooth sharp parts (or replace blades if necessary) and store blades with protective oil. The travel wheels should be removed from their axle once each season, cleaned, and internal supports filled with fresh plastic lubricant.

The engine must be turned off and the cable connection to the spark plug disconnected!

STORAGE

Before any long-term storage, clean all dirt, debris and plant waste from the machine.

Repair any damage to painted parts of the machine.

When storing the machine for an extended period it is advisable to:

- a) keep the blades on the mower
- b) remove gasoline from tank and carburetor (for further instructions see engine guidelines)

Prevent unauthorized persons from accessing the machine. Protect the machine from environmental impacts but do not use an airtight cover as corrosion may develop underneath it.

TROUBLESHOOTING

THE ENGINE DOES NOT START	Possible causes	Corrections
'1. check control positions'	'Fuel valve OFF'	'Move lever to ON'
	Lock set to OPEN.	Move the lever to CLOSE unless 'that engine is not warm'
	'Engine set to OFF'	'Set engine switch to ON'
'2. check fuel level'	Without fuel	'Refuel gasoline'
	'Low quality fuel; 'engine was stored without draining fuel or refueled with poor quality gasoline.'	'Drain fuel tank and carburetor.' 'Refill with fresh gasoline.'
3. remove and inspect spark plugs.	'Defective spark plugs—dirty or blocked.'	Clean or replace spark plugs.
	Spark plugs wet with gasoline (flooded engine).	Dry off and reinstall all spark plugs. Start engine with throttle lever in FAST position
4. take the engine to an authorized dealer, or refer to the manual.	Clogged fuel filter, malfunctioning carburetor, ignition malfunction, stuck valve, etc.	Replace or repair defective components as necessary.

LACK OF ENGINE POWER ENGINE	Possible causes	Correction
1. check the air filter	Filter element(s) blocked	Clean or repair filter element(s).
2. check fuel level	Without fuel	Refueling
	Low-quality fuel; the engine was stored without draining the fuel or refueled with poor quality gasoline.	'Drain fuel tank and carburetor.' 'Refill with fresh gasoline.'
3. take the engine to an authorized dealer, or refer to the manual.	Clogged fuel filter, malfunctioning carburetor, ignition malfunction, stuck valve, etc.	Replace or repair defective components as necessary.

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 – PRODUCTENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:
Blue Bird Industries Fabbrica Motori s.r.l.
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:
TRINCIASARMENTI – FLAIL MOWER

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 / είδος / TYP:
FM 600

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato VI – Sound Power Levels performed per annex VI	
TIPO TYPE	Livelli di Potenza Sonora Misurata / Livelli di Potenza Sonora Garantita LWA Sound Power Levels Measured / Sound Power Level Guaranteed LWA (dB)
FM600	87/102

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 TANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIIN/YHTEISIIN STANDARDEIHIIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΤΑ ΠΡΟΤΥΠΑ / ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ- ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

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