

Operator's manual

320iB



Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

English

KEY TO SYMBOLS

Symbols on the machine:

Translation of the original Swedish operating instruction.

WARNING! The blower can be dangerous! Careless or incorrect use can result in serious or fatal injury to the operator or others.



It is extremely important that you read and understand the contents of the operator's manual. Please read the operator's manual carefully and make sure you understand the instructions before using the machine.



Always wear:

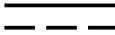
- Approved hearing protection
- Approved eye protection



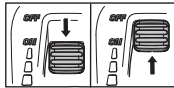
A breathing mask should be used when there is a risk of dust.



Direct current.



ON/OFF switch



Symbols on the battery and/or on the battery charger:

Fail-safe transformer



Use and store battery charger only indoors.



Double insulation



Other symbols/decals on the machine refer to special certification requirements for certain markets.

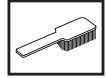
Commercial unit

Symbols in the operator's manual:

Always wear approved protective gloves.



Regular cleaning is required.



IMPORTANT! Always remove the battery to prevent the machine being started by accident.



California's proposition 65; Requirement to inform citizens of California about hazardous substance in the product.

WARNING

This product contains or emits a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

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Note the following before starting:

Please read the operator's manual carefully.



WARNING! Long-term exposure to noise can result in permanent hearing impairment. So always use approved hearing protection.



WARNING! Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.

Your warranty may not cover damage or liability caused by the use of non-authorized accessories or replacement parts.



WARNING! A blower is a dangerous tool if used carelessly or incorrectly and can cause serious, even fatal injuries. It is extremely important that you read and understand the contents of this Operator's manual.

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

The machine is only designed for blowing lawns, pathways, asphalt roads and the like.

For customer assistance call: 1-800-487-5951 or visit www.usa.husqvarna.com.

INTRODUCTION

Dear customer!

Congratulations on your choice to buy a Husqvarna product! Husqvarna is based on a tradition that dates back to 1689, when the Swedish King Karl XI ordered the construction of a factory on the banks of the Huskvarna River, for production of muskets. The location was logical, since water power was harnessed from the Huskvarna River to create the water-powered plant. During over 300 years of continuous operation, the Husqvarna factory has produced a lot of different products, from wood stoves to modern kitchen appliances, sewing machines, bicycles, motorcycles etc. In 1956, the first motor driven lawn mowers appeared, followed by chain saws in 1959, and it is within this area Husqvarna is working today.

Today Husqvarna is one of the leading manufacturers in the world of forest and garden products, with quality as our highest priority. We develop, manufacture and market high quality motor driven products for forestry and gardening as well as for building and construction industry.

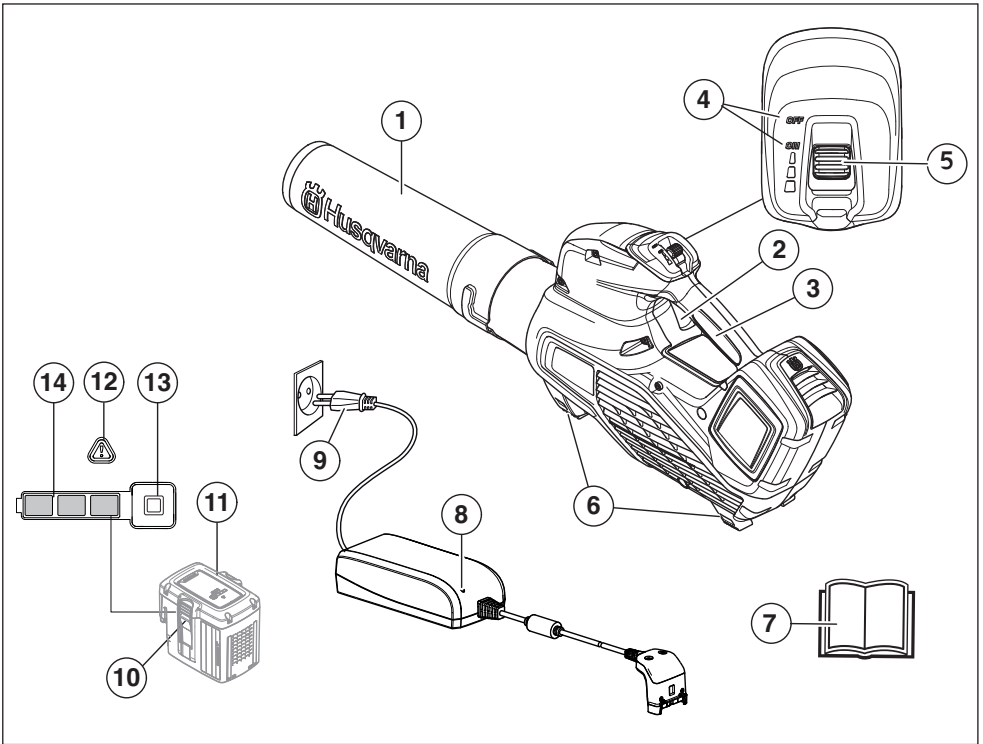
Your purchase gives you access to professional help with repairs and service whenever this may be necessary. If the retailer who sells your machine is not one of our authorized dealers, ask for the address of your nearest servicing dealer.

It is our wish that you will be satisfied with your product and that it will be your companion for a long time. Think of this operator's manual as a valuable document. By following its' content (using, service, maintenance etc) the life span and the second-hand value of the machine can be extended. If you ever lend or sell this machine, make sure that the borrower or buyer gets the operator's manual, so they will also know how to properly maintain and use it.

Thank you for using a Husqvarna product.

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

WHAT IS WHAT?




What is what?

- | | |
|--|----------------------------------|
| 1 Blower nozzle | 8 Battery charger |
| 2 Power trigger | 9 Cord |
| 3 Handle | 10 Battery release buttons |
| 4 ON/OFF switch | 11 Battery |
| 5 Power trigger cruise settings control (Cruise) | 12 Warning indicator (ERROR LED) |
| 6 Supports | 13 Battery indicator button |
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GENERAL SAFETY PRECAUTIONS

General power tool safety warnings

IMPORTANT SAFETY INSTRUCTIONS




WARNING!

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

READ ALL INSTRUCTIONS

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.



WARNING!

To reduce the risk of electric shock - Do not use on wet surfaces.

- Do not charge unit outdoors
- Use only the charger supplied by the manufacture to recharge.
- Do not incinerate the appliance even if it's severely damage
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual.
- Do not handle plug or appliance with wet hands.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce the air flow.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.

SAVE THESE INSTRUCTIONS

Check before starting

- Inspect the working area. Remove all loose objects, such as stones, broken glass, nails, steel wire, string, etc. that could be thrown out.
- Always remove the battery to prevent the machine being started by accident. Always disconnect the battery before any maintenance on the machine.
- Before using the machine and after any impact, check for signs of wear or damage and repair as necessary.
- Only use original spare parts.
- The machine operator must ensure that no people or animals come closer than 15 metres while working. When several operators are working in the same area the safety distance should be at least 15 metres.
- Do an overall inspection of the machine before use, see maintenance schedule.

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- Keep bystanders away.
- This appliance is not intended for use by person (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Never allow children or other persons not trained in the use of the machine and/or the battery to use or service it. Local laws may regulate the age of the user.
- Keep unauthorized persons at a distance. Children, animals, onlookers and helpers should be kept outside the safety zone of 15 m. (50 ft.) Stop the machine immediately if anyone approaches.

GENERAL SAFETY PRECAUTIONS

- Store the equipment in a lockable area so that it is out of reach of children and unauthorized persons.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- Never use the machine if you are tired, if you have drunk alcohol, or if you are taking medication that could affect your vision, your judgement or your co-ordination.
- Wear personal protective equipment. See instructions under the heading "Personal protective equipment".
- Always remove the battery when passing the machine to another person.
- Keep in mind that it is you, the operator that is responsible for not exposing people or their property to accidents or hazards.

Power tool use and care

- Never use a machine that has been modified in any way from its original specification. Never use the machine near explosive or flammable materials.
- Never use a machine that is faulty. Carry out the safety checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the heading Maintenance.
- Only use original spare parts.
- Always ensure that ventilation openings are kept clear of debris.
- All covers, guards and handles must be fitted before starting.
- Only use the machine in daylight or in other well-lit conditions.
- Never use the machine in bad weather, for instance in fog, in rain, damp or in wet locations, strong winds, intense cold, risk of lightning, etc. Extremely hot weather may cause overheating of the machine.
- If the machine starts vibrating abnormally, stop the machine and remove the battery.
- Walk, never run.

Always use common sense

It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. Avoid all situations which you consider to be beyond your capability. If you still feel uncertain about operating procedures after reading these instructions, you should consult an expert before continuing.

Important



WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants consult their physician and the medical implant manufacturer before operating this machine.



WARNING! Never allow children to use or be in the vicinity of the machine. Since the machine is easy to start, children may be able to start it if they are not kept under full surveillance. This can mean a risk of serious personal injury. Therefore disconnect the battery when the machine is not under close supervision.

Personal protective equipment

IMPORTANT!

A blower is a dangerous tool if used carelessly or incorrectly and can cause serious, even fatal injuries. It is extremely important that you read and understand the contents of this Operator's manual.

You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment.



WARNING! Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the motor stops.

GENERAL SAFETY PRECAUTIONS

HEARING PROTECTION

Wear hearing protection that provides adequate noise reduction.



EYE PROTECTION

Always wear approved eye protection. If you use a visor then you must also wear approved protective goggles. Approved protective goggles must comply with standard ANSI Z87.1 in the USA or EN 166 in EU countries.



CLOTHING

Wear clothes made of a strong fabric and avoid loose clothing that can catch on twigs and branches. Always wear heavy, long pants. Do not wear jewellery, shorts sandals or go barefoot. Secure hair so it is above shoulder level.

FIRST AID KIT

Always have a first aid kit nearby.



Battery and battery charger

This section describes the battery and battery charger safety for your battery product.

Only use Husqvarna original batteries for Husqvarna products and only charge them in an original battery QC charger from Husqvarna. The batteries are software encrypted.

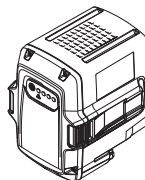
Use only a Husqvarna original BLi battery in your machine.

Battery safety



The rechargeable Husqvarna batteries, BLi, are exclusively used as a power supply for the relevant Husqvarna cordless appliances. To avoid injury, the

battery must not be used as a power source for other devices.



WARNING! Protect the battery from direct sunlight, heat or open flame. There is a risk the battery may explode if it is thrown into an open fire. There is a risk of burns and/or chemical burns.



WARNING! Avoid all skin contact with battery acid. Battery acid may cause skin irritation, burns or corrosive injuries. If you get acid in your eyes, do not rub but flush your eyes with plenty of water for at least 15 minutes. See a doctor. You must wash any exposed skin with copious amounts of water and soap in case of incidental contact.



WARNING! Never connect the battery terminal to keys, coins, screws or other metal as this may short-circuit the battery. Never insert objects into the battery's air vents.

Unused batteries must be kept away from metal objects such as nails, coins, jewellery. Do not try to disassemble or crush the battery

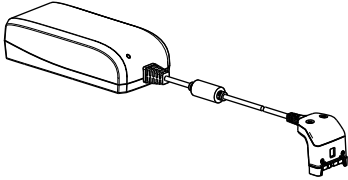
- Use the battery in surroundings where temperatures are between 0 °C (32 °F) and 40 °C (104 °F).
- Do not expose the battery to microwaves or high pressure.
- Never clean the battery or the battery charger with water. See instructions under the heading Maintenance.
- Store the battery out of reach of children.
- Protect the battery from rain and wet conditions.

GENERAL SAFETY PRECAUTIONS

Battery charger safety



Only use Chargers, Husqvarna QC, for charging the Husqvarna replacement batteries, BLi.



WARNING! Minimise the risk of electric shock or short circuit as follows:

Never insert any object into the charger's cooling slots.

Do not try to dismantle the battery charger.

Never connect the charger terminals to metal objects.

Use approved and intact wall sockets.

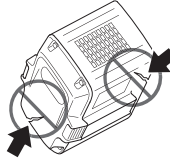


WARNING! Do not use the battery charger close to corrosive or flammable materials. Do not cover the battery charger. Pull out the plug to the battery charger in the event of smoke or fire. Remember the risk of fire.

- Regularly check that the battery charger connection wire is intact and that there are no cracks in it.
- Never carry the battery charger using the cord and never pull out the plug by pulling the cord.
- Use a residual-current device (RCI) for increased security. A residual-current device is fitted to protect operators in case an electrical fault should occur.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- Use only three-wire outdoor extension cords that have three-prong grounding plugs and grounding receptacles that accept the appliance's plug.
- Regularly check that the battery charger connection wire is intact and that there are no cracks in it. Keep all cables and extension leads away from water, oil and sharp edges. Make sure the cable is not jammed in doors, fences or the like. Otherwise it can cause the charger to become live. Inspect extensions cords periodically and replace if damaged.

Do not use:

- a faulty or damaged battery charger or never use a faulty, damaged or deformed battery.



Do not charge:

- non-rechargeable batteries in the battery charger or use them in the machine.
- the battery in the battery charger outdoors.
- the battery in the rain or in wet conditions.
- the battery in direct sunlight.

Use the battery charger only when the surrounding temperature is between 5 °C (41 °F) and 40 °C (104 °F). Use the charger in an environment which is well ventilated, dry and free from dust.

Machine's safety equipment

This section describes the machine's safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly. See the "What is what?" section to locate where this equipment is positioned on your machine.

The life span or the runtime of the machine can be reduced and the risk of accidents can increase if machine maintenance is not carried out correctly and if service and/or repairs are not carried out professionally. If you need further information please contact your nearest service workshop.

IMPORTANT!

All servicing and repair work on the machine requires special training. This is especially true of the machine's safety equipment. If your machine fails any of the checks described below you must contact your service agent. When you buy any of our products we guarantee the availability of professional repairs and service. If the retailer who sells your machine is not a servicing dealer, ask him for the address of your nearest service agent.

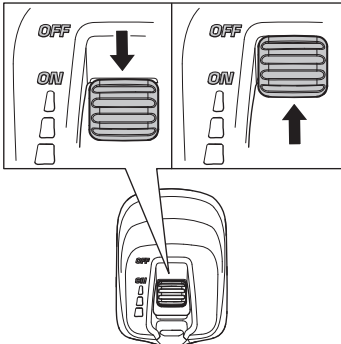


WARNING! Never use a machine with faulty safety equipment. The machine's safety equipment must be checked and maintained as described in this section. If your machine fails any of these checks contact your service agent to get it repaired.

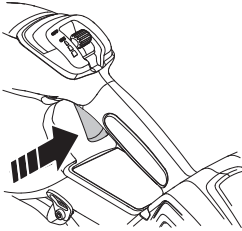
GENERAL SAFETY PRECAUTIONS

Power trigger

Make sure that the machine is activated and deactivated when the ON/OFF switch lever is moved to ON and OFF position.



Make sure the throttle operates easily.

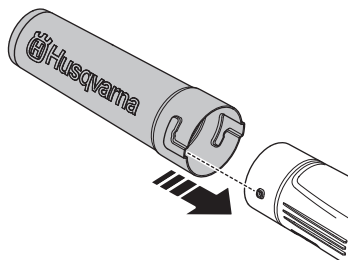


WARNING! This machine is renowned for its low vibration load. Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. These symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin colour or condition. These symptoms normally appear in the fingers, hands or wrists.

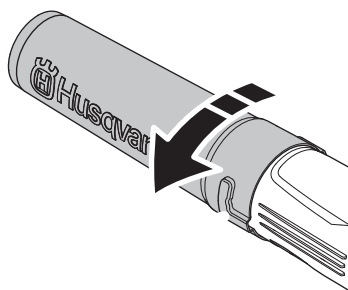
ASSEMBLY

Assembly of the blower

Assemble the blower and the tube.



Push the tubes together and turn so that they lock together.



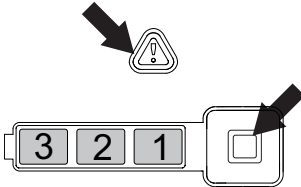
NOTE!

Make sure to always use the blower with a blower nozzle mounted.

BATTERY HANDLING

Battery

The display shows the battery capacity and if there are any problems with the battery. The battery capacity is displayed for 5 seconds after the machine is switched off or the battery indicator button is pressed. The warning symbol on the battery is lit when an error has occurred. See fault codes.



LED lights	Battery status
All LEDs are lit	Fully charged (67%–100%).
LED 1, LED 2 are lit.	The battery is 34%–66% charged.
LED 1 is lit.	The battery is 1%–33% charged.
LED 1 flashes.	The battery is empty. Charge the battery.

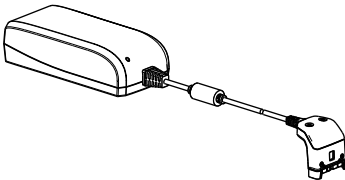
Battery charger



WARNING! Risk of electric shock and short circuiting. Use approved and intact wall sockets. Make sure that the cable is not damaged. Replace cable if it appears to be damaged in any way.

Connect the battery charger

- Connect the battery charger to the voltage and frequency specified on the rating plate. Put the electric plug in a earthed socket-outlet. The LED on the battery charger flashes green once.

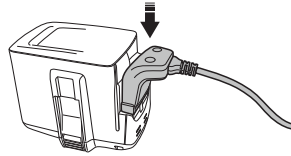


Connect the battery to the battery charger.

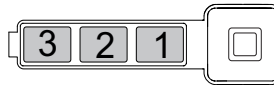
Regularly check that the battery charger and the battery are intact. See instructions under the heading Maintenance.

The battery must be charged before using it the first time. The battery is only 30% charged when delivered.

Connect the battery with the battery charger. Make sure that the battery is connected to the battery charger.



- The green charging light on the charger is lit when the battery is connected to the battery charger.
- When all LEDs are off the battery is fully charged.

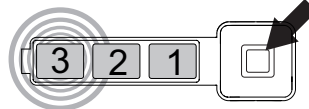


- Pull out the plug. Never jerk the power supply cable to disconnect it from the wall socket.
- Remove the battery from the battery charger.

Charging status

Lithium-ion batteries can be charged at whatever charging level. The charging process can be cancelled or started whatever the battery's charge level is. The battery is not damaged. A fully charged battery will not lose its charge even when the battery is left in the charger.

The battery will not be charged if the battery temperature is over 50 °C (122 °F).



Transport and storage



- The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.
- For commercial transports e.g. by third parties, forwarding agents, special requirement on packing and labeling must be observed.
- For preparation of the item being shipped, consulting an expert for hazardous material is required. Please also observe possibly more detailed national regulations.
- Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packing.

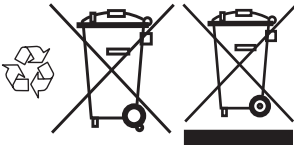
BATTERY HANDLING

- Secure the machine during transport.
- Always remove the battery for storage or transport.
- Store the battery and the battery charger in a dry, moisture-free and frost-free space.
- To prevent accidents, ensure that your battery is not connected to the machine when stored.
- Do not store the battery in places where static electricity can occur. Never store the battery in a metal box.
- Store the battery where the temperature is between 5 °C (41 °F) and 25 °C (77 °F) and never in direct sunlight.
- Store the battery charger where the temperature is between 40 °F and 113 °F and never in direct sunlight.
- A discharged battery must be charged before storing. A discharged battery that is stored without charging can be damaged. Make sure the battery is charged to 30% - 50% before storing for long periods.
- Store the battery charger only in an enclosed and dry space.
- Be sure to store the battery separate from the battery charger. Store the equipment in a lockable area so that it is out of reach of children and unauthorized persons.
- Ensure the machine is cleaned and that a complete service is carried out before long-term storage.

Disposal of the battery, battery charger and machine

Symbols on the product or its packaging indicate that this product cannot be handled as domestic waste. It must instead be submitted to an appropriate recycling station for the recovery of electrical and electronic equipment.

By ensuring that this product is taken care of correctly, you can help to counteract the potential negative impact on the environment and people that can otherwise result through the incorrect waste management of this product. For more detailed information about recycling this product, contact your municipality, your domestic waste service or the shop from where you purchased the product.



STARTING AND STOPPING

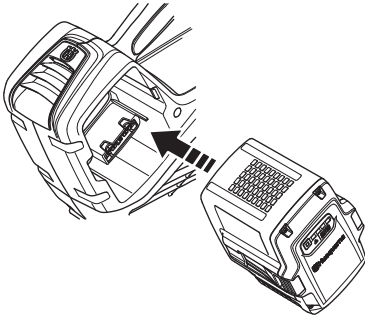
Check before starting



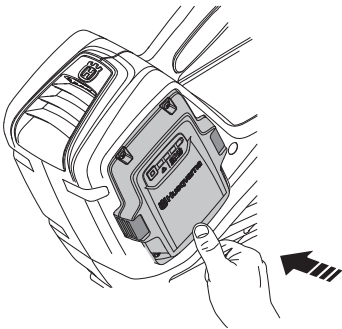
- Check the product for dirt and cracks. Clean off grass and leaves from the engine using a brush. Gloves should be worn when necessary.
- Check that the machine is in perfect working order. Check that all nuts and screws are tight.
- Only use the machine for the purpose it was intended for.

Connect battery to the machine

- Make sure to use fully charged batteries. Use only a Husqvarna original battery in your machine. See technical data.
- Insert the battery in the machine. The battery should slide easily into the battery holder on the machine. If the battery does not slide in easily, it is not being inserted correctly.



- Press on the lower part of the battery and push it in as far as it will go into the battery compartment. The battery will lock itself into place when you hear a click. Make sure the latches are in place properly.



NOTE!

Make sure to switch OFF the machine when changing battery.

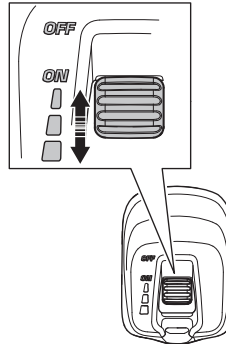
Starting and stopping



WARNING! Make sure no unauthorised persons are in the working area, otherwise there is a risk of serious personal injury. The safety distance is 15 meters (50 ft.).

Starting

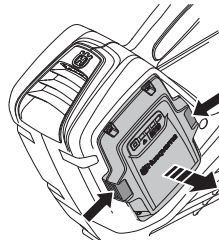
- Activate the machine by moving the ON/OFF switch lever to position ON.



- Use the power trigger to control the speed.

Stopping

- Stop and deactivate the machine by releasing the Power trigger and move the ON/OFF switch lever to position OFF.
- Remove the battery from the machine by pressing the two release buttons and pulling out the battery.



IMPORTANT! Always remove the battery to prevent the machine being started by accident.

WORKING TECHNIQUES

General working instructions

IMPORTANT! This section considers basic safety rules when working with blowers. If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your dealer or your service workshop. Avoid all usage which you consider to be beyond your capability. Working with blowers is recommended for leaves or small branches only.

Do not use the machine in wet or humid surroundings, close to water, in the rain or snow.



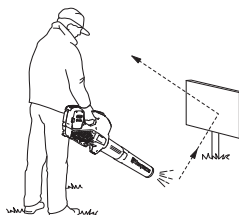
Show consideration to persons in your surroundings by avoiding using the machine at unsuitable times, such as late in the evening or early in the morning. Make sure local regulations and ordinances are followed. Read through and follow the simple directions so that you disturb your surroundings as little as possible.

- Use the blower with the lowest possible throttle. It is seldom necessary to use full throttle, and many work procedures can be done at half throttle. A lower throttle means less noise and less dust, and it is also easier to keep control over the rubbish collected together/moved.
- Use a rake or a brush to release rubbish stuck to the ground.
- Observe your surroundings. Direct the blower away from people, animals, play areas, and cars etc.
- Minimise the blowing time by lightly wetting dusty areas or using spray equipment.
- Be aware of the wind direction. Work with the wind to make your work easier.
- If the machine starts vibrating abnormally, stop the machine and remove the batteries. Contact your service agent.
- Using the blower to move large piles is time consuming and creates unnecessary noise.
- Clean up afterwards. Make sure that you have not blown rubbish into someone's garden.
- Walk with the machine, do not run.

Basic safety rules



- No unauthorised persons or animals may be present in the working area, which is 15 metres.
- The powerful currents of air can move objects at such a speed that they can bounce back and cause serious eye injuries.



- Do not direct the air jet towards people or animals.
- Stop the motor and remove the battery before assembling or dismantling accessories or other parts.
- Do not use the machine in bad weather, such as dense fog, heavy rain, strong wind, intense cold, etc. Working in bad weather is tiring and can lead to dangerous conditions, e.g. slippery surfaces.
- Make sure you can move and stand safely. Check the area around you for possible obstacles (roots, rocks, branches, ditches, etc.) in case you have to move suddenly. Take great care when working on sloping ground.



- Do not overreach. Keep proper footing and balance at all times.
- Keep all parts of your body away from hot surfaces.
- Never put the machine down with the product activated unless you have it in clear sight.

WORKING TECHNIQUES

- The blower must not be used while on a ladder or scaffolding.



- CAUTION! Do not use the machine unless you are able to call for help in the event of an accident.

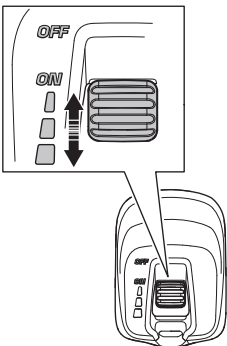
Basic working techniques



WARNING! Watch out for thrown objects. Always wear eye protection. Stones, rubbish, etc. can be thrown up into the eyes causing blindness or serious injury. Keep unauthorised persons at a distance. Children, animals, onlookers and helpers should be kept outside the safety zone of 15 m. Stop the machine immediately if anyone approaches.

Power trigger cruise settings control (Cruise)

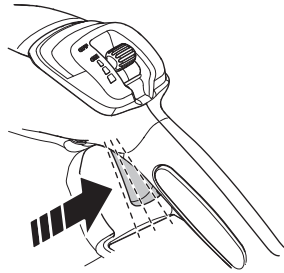
Move power trigger control to increase or decrease the airflow.



Use position 1 to blow very gently. This mode can be used for indoor use.

Power trigger

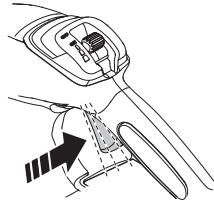
Adjust the airflow by using the power trigger.



Temporary increase of airflow 'Boost'

A temporary increase in airflow, 'Boost', is used only on occasions when leaves and trash is stuck or when the normal airflow is not sufficient. In most cases, normal airflow is sufficient. An increase in airflow is used mainly for brief measures.

Press the power trigger to get a temporary increased airflow.



Temporary increase of the airflow can be used in all power trigger settings. The increase of the airflow lasts about 10 seconds and then returns to normal airflow.

Automatic switch off functionality

The machine is equipped with a shutdown feature that deactivates the machine if not used. The machine will turn off after 30 min. if not in use. Move ON/OFF switch lever to OFF position and then to ON position to restart the machine.

MAINTENANCE

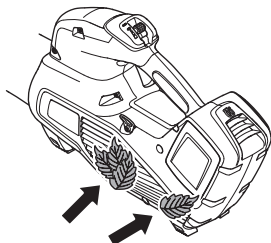
Inspection and maintenance



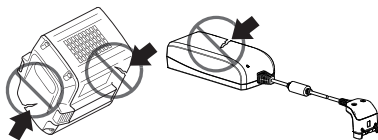
WARNING! Always disconnect the battery before any maintenance on the machine.

IMPORTANT! Never clean the battery or the battery charger with water. Strong cleaning agents can damage the plastic.

All servicing and repair work on the machine requires special training. This is especially true of the machine's safety equipment. If your machine fails any of the checks described below you must contact your service agent. When you buy any of our products we guarantee the availability of professional repairs and service. If the retailer who sells your machine is not a servicing dealer, ask him for the address of your nearest service agent. Only use original spare parts.



Check that the air intake is not blocked on all sides including the underside, for example, by leaves or rubbish. A clogged air intake reduces the machine's blowing capacity and increases the engine's working temperature, which can result in engine failure. Stop the engine and remove the object. Regularly check that the battery charger and the battery are intact.

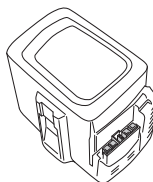


Cleaning

Clean the machine after use. If the battery connector on the machine is dirty, clean it by blowing them with compressed air or use a soft brush.

Make sure the battery and battery charger are clean and that the terminals on the battery and the battery charger

are always clean and dry before the battery is placed in the battery charger.



Keep the battery guide tracks clean. Clean plastic parts with a clean and dry cloth.

MAINTENANCE

Troubleshooting schedule

Troubleshooting on the machine

Starting failure	Possible faults	Possible action
The machine doesn't start.	The battery is discharged.	Charge the battery.
	Recently changed battery.	Move ON/OFF switch lever to OFF position and then to ON position to restart the machine.
	The machine has not been in use for more than 30 min.	

Troubleshooting the battery and/or the battery charger during charging.

Troubleshooting does not include the backpack battery, refer to separate manual.

Battery

LED display	Possible faults	Possible action
Error LED flashing	The battery is discharged.	Charge the battery.
	Temperature deviation.	Use the battery in surroundings where temperatures are between 0 °C (32 °F) and 40 °C (104 °F).
	Over voltage.	Check that the mains voltage corresponds with that stated on the rating plate on the machine.
Remove the battery from the battery charger.		
Error LED is lit	Cell difference too much (1V).	Contact your service agent.

Battery charger

LED display	Possible faults	Possible action
Error LED flashing	Temperature deviation.	Use the battery charger only when the surrounding temperature is between 5 °C (41 °F) and 40 °C (104 °F).
Error LED is lit	Cell difference too much (1V).	Contact your service agent.

MAINTENANCE

Maintenance schedule



WARNING! Always disconnect the battery before any maintenance on the machine.

The following is a list of the maintenance that must be performed on the machine. Most of the items are described in the Maintenance section.

Maintenance	Daily Maintenance	Weekly maintenance	Monthly maintenance
Clean the outside of the machine with a clean and dry cloth. Never use water.	X		
Keep the handle dry and free of grease and oil.	X		
Make sure that the activate and deactivate button works correctly and is not damaged.	X		
Make sure the throttle is functioning properly with regard to safety.	X		
Check that nuts and screws are tight.	X		
Check that the battery is intact.	X		
Check the battery's charge.	X		
Check that the release buttons on the battery works and locks the battery into the machine.	X		
Check that the battery charger is intact and functional.	X		
Check that all couplings, connections and cables are intact and free from dirt.		X	
Check the connections between the battery and the machine and also check the connection between battery and the battery charger.			X

TECHNICAL DATA

Technical data

320iB

Motor

Motor type BLDC (brushless) 36V

Weight

Weight without battery, Lbs/kg 5.3/2,4

Battery runtime

Battery runtime, min, with power trigger control in third position 14

Sound levels

(see note 1)

Bystanders sound pressure level measured at 50 ft (15m), ANSI B175.2, dB(A): 60

Equivalent sound pressure level at the operator's ear, measured according to EN ISO 22868, dB(A), min./ max.: 80

Fan performance

Air flow with blower nozzle, cfm / m³/min 410/11,6

Max. air velocity with blower nozzle, mph / m/s: 120,8/54

Approved accessories		
Battery	BLi20	
Type	Lithium-ion	
Battery capacity, Ah	4.2 (VTC4)	4 (HD2)
Voltage, V	36	36.5
Weight, lb/kg	2.6/1.2	2.6/1.2

Approved chargers for the specified batteries, BLi.				
Battery charger	QC80	QC80F	QC330	QC500
Input Voltage, V	100-240	12	100-240	100-240
Frequency, Hz	50-60		50-60	50-60
Power, W	100	95	330	500

Note 1: Reported data for equivalent sound pressure level for the machine has a typical statistical dispersion (standard deviation) of 3 dB (A).

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