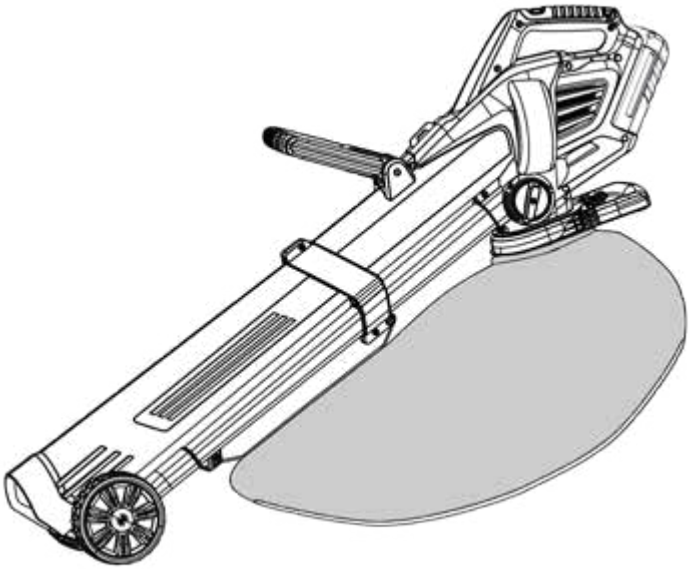
Masport

ENERGY FLEX

OWNER'S MANUAL
BATTERY BLOWER VACUUM

LBV 4090



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TRANSLATION OF THE ORIGINAL INSTRUCTIONS FOR USE

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1 ABOUT THESE OPERATING INSTRUCTIONS

- The German version is the original operating instructions. All additional language versions are translations of the original operating instructions.
- Always safeguard these operating instructions so that they can be consulted if you need any information about the appliance.
- Only pass on the appliance to other persons together with these operating instructions.
- Comply with the safety and warning information in these operating instructions.

1 ABOUT THESE OPERATING INSTRUCTIONS

1.1 Symbols on the title page

Symbol	Meaning
	It is essential to read through these operating instructions carefully before start up. This is essential for safe working and trouble free handling.
	Operating instructions
	Handle Li-Ion rechargeable batteries with care! In particular, observe the notes on transport, storage and disposal in these operating instructions!

1.2 Legends and signal words

DANGER!
Denotes an imminently dangerous situation which will result in fatal or serious injury if not avoided.

WARNING!
Denotes a potentially dangerous situation which can result in fatal or serious injury if not avoided.

CAUTION!
Denotes a potentially dangerous situation which can result in minor or moderate injury if not avoided.

IMPORTANT!
Denotes a situation which can result in material damage if not avoided.

NOTE
Special instructions for ease of understanding and handling.

2 PRODUCT DESCRIPTION

2.1 Designated use

This appliance can be used for:

- Blowing away and collection leaves, grass, dirt and refuse.
- Vacuuming leaves and grass.

Only work with the appliance when it is fully assembled.

This appliance is intended solely for use in non-commercial applications. Any other use (as well as unauthorised conversions or add-ons) are regarded as contrary to the intended use and will result in exclusion of the warranty as well as loss of conformity (CE mark). The manufacturer will thus decline any responsibility for damage and/or injury suffered by the user or third parties.

2.2 Possible foreseeable misuse

The appliance is not designed for commercial use in public parks, sports facilities, agriculture and forestry.

DANGER!
Risk of explosion and fire
Vacuumed explosive and flammable products, hot ashes, combustion residues without open flame or smouldering cigarettes lead to an immediate risk of explosion and fire.

- Do not vacuum up any of the products or similar objects mentioned above.

CAUTION!
Risk of injury and damage to property
The strong air jet of the appliance as well as the noise can cause injuries to persons and animals and lead to panic. Animals can panic and run away causing further damage. The loud noise can lead to hearing impairment.

- Only use the appliance when there are no persons and/or animals in the working area.
- Do not vacuum small animals.
- Maintain a safe distance, or switch off the appliance if persons or animals approach.

IMPORTANT!

Danger of damage to the appliance

Vacuumed fluids, branches, pieces of glass, sharp objects, pieces of metal, stones or other objects damage the components in the appliance. Wet leaves or grass clog the appliance.

- Do not vacuum any of the objects mentioned above.
- Do not vacuum any liquids, wet leaves or grass.

2.3 Residual risks

Even during correct use of the appliance, there is always a certain residual risk that cannot be excluded. Depending on the use, the following potential risks can be derived from the type and construction of the appliance:

- Throwing out of cuttings, soil and small stones
- Inhalation of cuttings particles if no breathing protection is worn.
- Damage to hearing if no hearing protection is worn.
- Physical damage caused by hand-arm vibrations when the appliance is used for long periods or is not serviced as specified.

2.4 Safety and protective devices

WARNING!

Risk of injury

Defective and disabled safety and protective devices can lead to serious injury.

- Have any defective safety and protective devices repaired.
- Never disable safety and protective devices.

2.5 Symbols on the appliance

2.5.1 Safety signs

Symbol	Meaning
	Pay special attention when handling this product!
	Read the operating instructions before starting operation.
	Danger due to objects being thrown out!
	Keep other people out of the danger area.
	Do not reach into the fan!
	Danger due to rotating parts.
	Read the operating instructions before maintenance work!
	Wear protective glasses and ear defenders!
	Protect the appliance from rain and moisture!

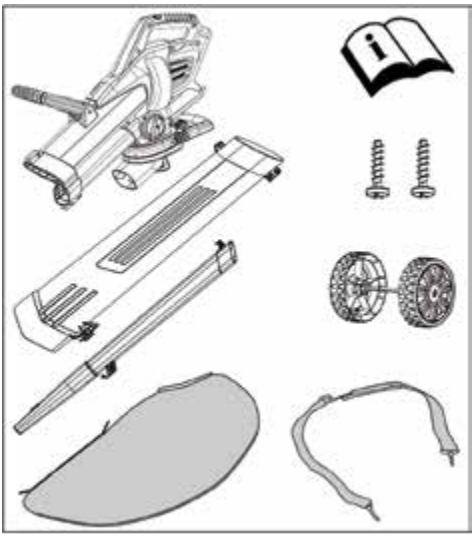
2.5.2 Operating signs

Symbol	Meaning
On the rotary switch:	
	■ Vacuum operation
	■ Blowing operation

Symbol	Meaning
	■ Switch between vacuum and blowing operation
■ On the rotary switch (on/off and motor speed):	
+	■ Switching on the appliance and increasing the motor speed
–	■ Switching off the appliance and decreasing the motor speed
On the battery slot:	
+	■ positive pole
–	■ negative pole
	■ ground connection
Front handle:	
	■ Pull out the drawbar eye to unlock the front handle

2.6 Scope of supply

The items listed here are part of the scope of supply. Check that all items are included:



Component
Base unit
Vacuum tube
Blower tube with flat nozzle
Collection bag
Carrying belt
Wheel set (2 support wheels with axle)
Securing in bag (2x, attached to vacuum tube)
Operating instructions

NOTE

The rechargeable battery and charging unit are not included in the scope of delivery and must therefore be purchased separately.

The rechargeable battery and charger must be purchased separately (depending on the model)

Lithium ion rechargeable battery, 42 V max., 4 Ah

Order No. rechargeable battery 113280 45, Order No. charging unit 113281 45

3 SAFETY INSTRUCTIONS

DANGER!

Danger of fatal injury and danger of extremely severe injury!

Lack of knowledge of the safety instructions and operating instructions can lead to extremely serious and even fatal injury.

- Observe all safety instructions and instructions for use in these operating instructions as well the operating instructions which are referred to before you start using the appliance.
- Keep all supplied documents in a safe place for future reference.

3.1 Safety instructions for rechargeable battery operated leaf blowers

OPERATOR

- Carefully read the safety instructions. Familiarise yourself with the operating and adjustment elements and the intended use of the appliance.

- This appliance can be used by children of 8 years and older and by persons with reduced physical, sensory or mental capabilities, or those lacking experience and knowledge, if they are supervised or have been instructed with regard to the safe use of the appliance and the ensuing risks. Children must not be allowed to play with the appliance. Cleaning and maintenance must not be carried out by children without supervision.
- People with very strong and complex restrictions may have needs that exceed the instructions described here.
- Never allow children or persons unfamiliar with these instructions to use the appliance. National regulations may limit the age of the operator.
- Do not operate the appliance if you are under the influence of alcohol, drugs or medication.
- The user is responsible for accidents involving other people and their property.

PREPARATION

- Before operation, always check that protective devices and covers are undamaged, present or correctly fitted. Damaged protective devices and covers must be replaced, missing protective devices and covers must be correctly fitted.
- Never put the appliance into operation while people, especially children or pets, are in the immediate vicinity.
- Before working, remove any dangerous objects from the working area, e.g. branches, glass or metal pieces, stones.

OPERATION

- Always wear safety glasses and sturdy shoes when working with the appliance.
- Do not work with the appliance in bad weather conditions, especially when thunderstorms are approaching.
- Only use the appliance in daylight or good artificial light.
- Never use the appliance if protective devices and covers are damaged or not present.
- Always disconnect the appliance from the power supply, i.e. remove rechargeable batteries or non-rechargeable batteries:
  - before leaving the appliance unattended
  - before removing blockages in the appliance
  - before checking, cleaning or working on the appliance whenever the appliance starts to vibrate in an unusual way
- Always make sure that the ventilation openings on the appliance are free of foreign objects.
- After contact with dangerous objects and foreign bodies, check the appliance for damage. Have the appliance repaired if it has been damaged.

MAINTENANCE AND STORAGE

- Before carrying out maintenance or cleaning work, disconnect the appliance from the power supply i.e. activate switch-on lock, remove rechargeable batteries or non-rechargeable batteries.
- Always wear protective gloves during maintenance, care and cleaning work.
- Only use the spare parts and accessories recommended by the manufacturer.
- Regularly check and maintain the appliance. The appliance may only be repaired by a Masport service centre.
- Keep the appliance out of the reach of children when not in use.

3.1.1 Safety in the workplace

- Work only in daylight or under very bright artificial light.
- Before work, remove any hazardous products and objects from the working area, e.g. explosive and flammable products, hot ashes, combustion residues, smouldering cigarettes, branches, pieces of glass, sharp objects, pieces of metal, stones.
- Operate the appliance only on solid and level ground and not on sharp inclines.
- Pay attention to stability.
- When working, move cautiously and slowly. Do not run. Watch out for obstacles.
- Never work on a smooth and slippery slope.
- Always ensure that you are standing securely.
- Always blow the leaves near to the ground.
- Never work up a slope.

3.1.2 Safety of persons, animals and property

- Only use the appliance for the purposes for which it is intended. Any non-intended use can lead to injury and property damage.
- You are responsible for accidents and endangering other persons or your property.
- Only switch on the appliance when there are no persons and/or animals in the working area.

- Maintain a safe distance to persons or animals, or switch off the appliance if persons or animals approach.
- Never aim the blowing tube at persons or animals.
- Never blow refuse in the direction of persons or pets.
- During operation, keep your eyes and ears away from the intake opening.
- Do not reach into the vacuum and vent grilles when the motor is running. Injuries can occur due to rotating appliance parts.
- Always switch off the appliance when it is not needed, e.g. when changing the work area, during maintenance and care work.
- Immediately switch off the appliance if there is an accident in order to avoid further injuries and/or property damage.
- Never operate the appliance with worn or defective parts. Worn or defective appliance parts can cause serious injuries.
- Keep the appliance out of the reach of children.
- Switch off the appliance before crossing gravel paths.
- Do not lay the appliance down on gravel whilst switched on.

3.1.3 Appliance safety

- Only use the appliance under the following conditions:
  - The appliance is not dirty, especially not with petrol and oil.
  - The appliance show no signs of damage, especially the protective grille.
  - All controls function properly.
  - All accessory parts intended for the respective operating mode are fitted on the appliance.
- Do not overload the machine. It is intended for light work in the private sphere. Overload can lead to damage to the appliance.
- Do not vacuum up any branches, pieces of glass, sharp objects, pieces of metal, stones or other objects. They will damage the shredding blade and the rotor.
- Never block the vacuum and ventilation grille during operation in order to avoid any overheating of the motor.
- Immediately switch off the appliance if the motor begins to vibrate abnormally or strongly. There is an appliance fault in this case.
- Never operate the appliance with worn or defective parts. Always replace defective parts with original spare parts from the manufacturer. If the appliance is operated with worn or defective parts, guarantee claims against the manufacturer are excluded.

3.2 Vibration load

- Danger due to vibration
  The actual magnitude of the vibration emissions during the use of the appliance may deviate from that stated by the manufacturer. Observe the following influencing factors before or during use:
  - Is the appliance being used as intended?
  - Is the material being cut or processed in the proper manner?
  - Is the appliance in a proper condition of use?
  - Is the cutting tool properly sharpened or is the correct cutting tool installed?
  - Are the handle grips and any optional vibration grips mounted, and are they firmly attached to the appliance?
- Only operate the tool at the motor speed required for the respective work. Avoid using the maximum speed in order to reduce noise and vibrations.
- The noise and vibrations of the tool may increase due to improper use and maintenance. This leads to health damage. In this case, immediately switch off the tool and have it repaired by an authorised service workshop.
- The degree of stress due to vibration depends on the work to be performed or on the use of the tool. Estimate the stress and plan appropriate work breaks. This considerably reduces stress due to vibration over the entire working time.
- Extensive use of the tool exposes the operator to vibrations, which can lead to circulatory issues ("white fingers"). To avoid this risk, wear gloves and keep your hands warm. If any symptoms of "white fingers" occur, immediately consult a physician. These symptoms include: Numbness, loss of feeling, tingling, itching, pain, reduced muscular strength, changes in the colour or condition of the skin. Normally these conditions affect the fingers, hands or pulse. The risk increases at low temperatures.
- Take long breaks during your working day so you can recover from the noise and the vibrations. Plan your work in such a way that the use of appliances that generate strong vibrations is spread over several days.

- If you notice an unpleasant sensation or discolouration of the skin on your hands when using the tool, stop work immediately. Take sufficient work breaks. Without sufficient breaks, a hand/arm vibration syndrome can occur.
- Minimise your risk of being exposed to vibrations. Maintain the tool according to the instructions in the operating instructions.
- If the tool is used frequently, contact your dealer to purchase anti-vibration accessories (e.g. handles).
- Avoid working with the tool at temperatures below 10 °C. Define how the vibration load can be limited in a work plan.

3.3 Safety information regarding the rechargeable battery

This section mentions all the basic safety instructions to be heeded when using the rechargeable battery. Read these instructions.

- Remove the rechargeable battery from the power tool before starting any work on the power tool (e.g. maintenance, tool change), before transport and before storage.
- Only use the rechargeable battery as designated, i.e. for Masport rechargeable battery-driven appliances. Only charge the rechargeable battery with the Masport charging unit.
- Only unpack the new rechargeable battery from the original packaging when it is to be used.
- Fully charge the rechargeable battery before using it for the first time and always use the specified charging unit. Comply with the details given in these instructions for use for charging the rechargeable battery.
- Do not use the rechargeable battery in environments where there is a potential risk of explosion and/or fire.
- Do not expose the rechargeable battery to moisture and humidity when in use with the appliance.
- Protect the rechargeable battery from heat, oil and fire to prevent it being damaged so no vapours and electrolyte liquids can escape. There is a danger of explosion!
- Do not subject the rechargeable battery to impacts or throw it.
- Do not use the rechargeable battery when soiled or wet. Before use, clean and dry the rechargeable battery with a dry, clean cloth.
- When the battery pack is not in use, keep it away from other metal objects to prevent bridging the contacts (e.g. paper clips, coins, keys, nails, screws). Do not use sharp objects (e.g. a screwdriver) to work on the battery. This can cause an internal short circuit which can lead to overheating, fire or explosion of the battery.
- Do not open, dismantle or crush the rechargeable battery. There is a danger of electric shock and short-circuit.
- An improperly used and damaged rechargeable battery can cause vapours and electrolyte liquid to escape. Vent the room adequately and in the case of any disorders, consult a doctor.
  If accidental contact with electrolyte liquid occurs, flush with water and thoroughly rinse the eyes immediately. Then consult a doctor.
- This rechargeable battery must not be used by unauthorised persons unless they are supervised by a person responsible for their safety or have been instructed on how to use the rechargeable battery. Unauthorised persons include, for example:
  - Persons (including children) with limited physical, sensory or mental aptitude.
  - Persons who have no experience and/or knowledge of the rechargeable battery.
- Children must be supervised and instructed so they do not play with the rechargeable battery.
- Do not leave the rechargeable battery permanently in the charger. For prolonged storage, remove the rechargeable battery from the charger.
- When not in use, remove the rechargeable batteries from the operated appliances.
- Dry the unused rechargeable battery and store in a closed place. Protect from heat and direct sunlight. Unauthorised persons and children must not have access to the rechargeable battery.

3.4 Safety information regarding the charging unit

This section mentions all the basic safety and warning information to be heeded when using the charging unit. Read these instructions.

- Only use the charging unit as designated, i.e. for charging the intended rechargeable batteries. Only charge original rechargeable batteries from Masport in the charging unit.
- Before each use, inspect the charging unit, and especially the mains cable and the rechargeable battery compartment, for damage. Only use the charging unit when it is in proper working order.

- Do not use the charging unit in environments where there is a potential risk of explosion and/or fire.
- Only operate the charging unit indoors and do not expose it to moisture and humidity.
- Always place the charging unit on a well ventilated and non-flammable surface because it heats up during the charging process. Keep the ventilation slots clear and do not cover the charging unit.
- Before connecting the charging unit, make sure that the mains voltage matches the voltage stated in the "Technical data".
- Only use the mains cable for connecting the charging unit, not for any other purpose. Do not carry the charging unit by the mains cable and do not remove the power plug from the power outlet by pulling on the mains cable.
- Protect the mains cable from heat, oil and sharp edges to prevent it being damaged.
- Do not use the charging unit and rechargeable battery when soiled or wet. Before using the charging unit, clean and dry the rechargeable battery.
- Do not open the charging unit or rechargeable battery. There is a danger of electric shock and short-circuit.
- For your own safety, only have the charging unit repaired by qualified specialist personnel using genuine spare parts.
- Dry the unused charging unit and store in a closed place. Unauthorised persons and children must not have access to the charging unit.

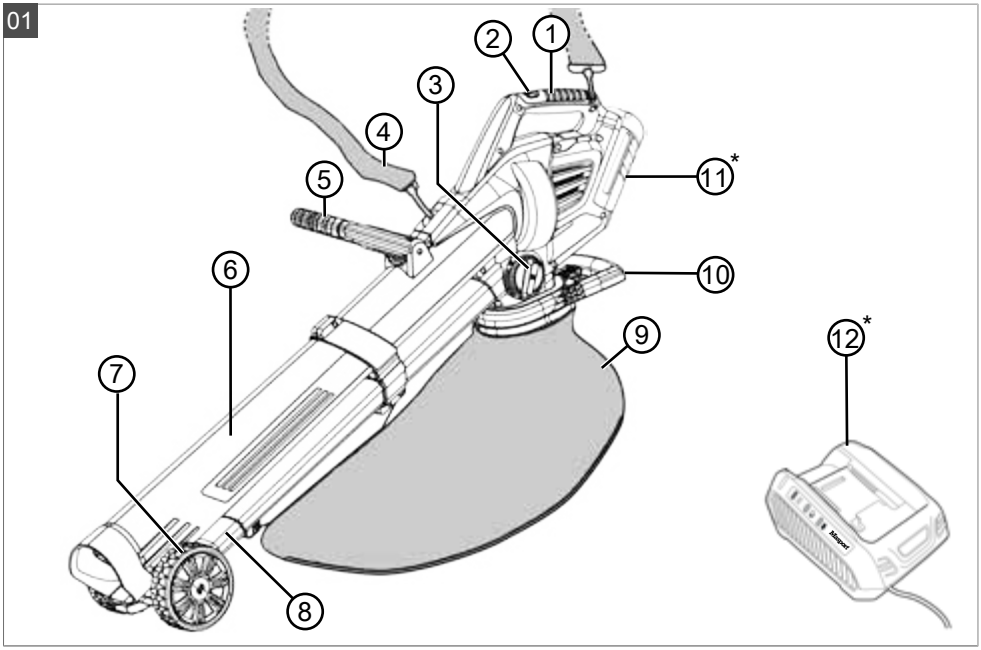
Product overview (01 - Page 11)

The product overview provides an overview of the appliance.

No.	Component
01/1	Rear hand grip
01/2	Rotary switch (on/off and motor speed)
01/3	Operating mode selector switch
01/4	Carrying belt
01/5	Front hand grip
01/6	Vacuum tube
01/7	Jockey wheels
01/8	Blowing tube
01/9	collection bag
01/10	Transport handle at the collection sack
01/11	Rechargeable battery*
01/12	Charger*

** Not included in the scope of delivery.*

01



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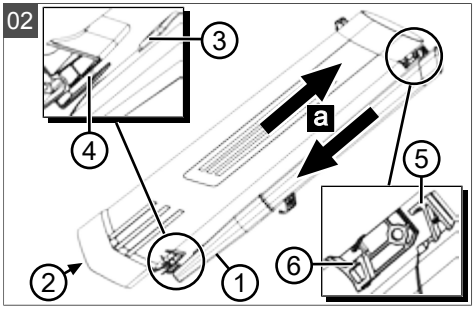

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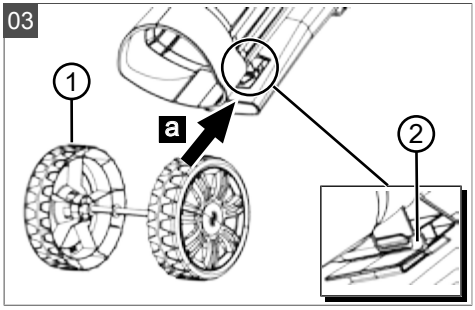

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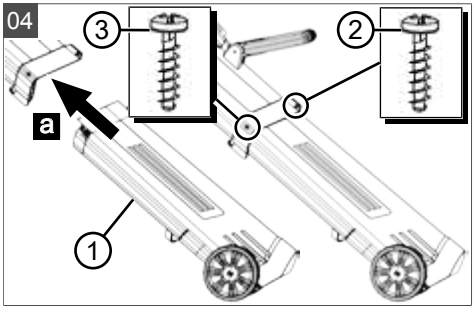

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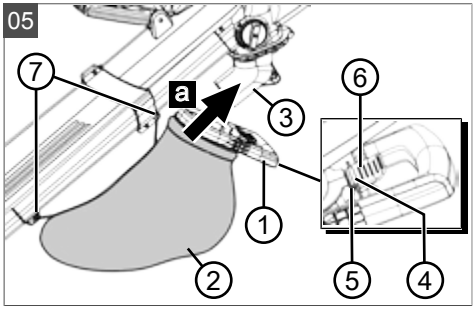

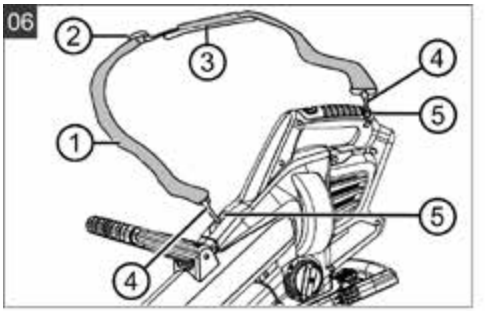
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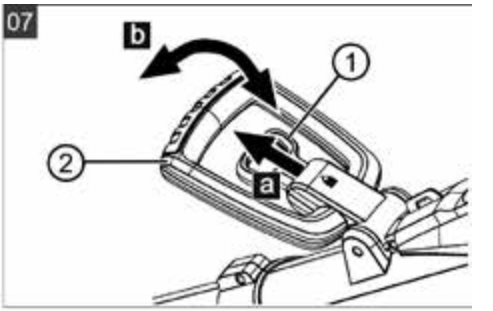
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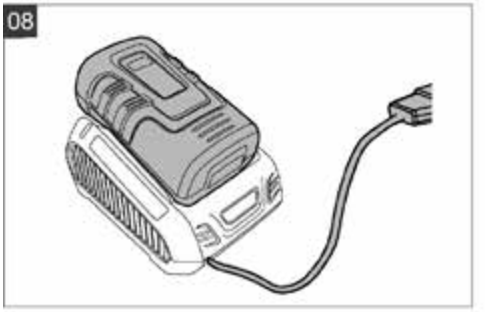
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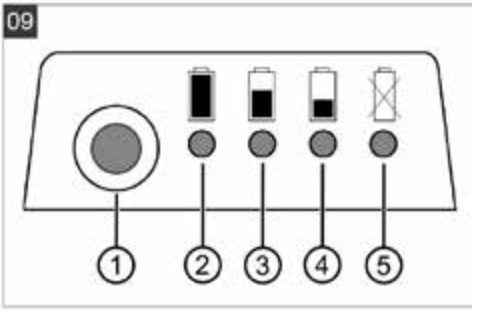
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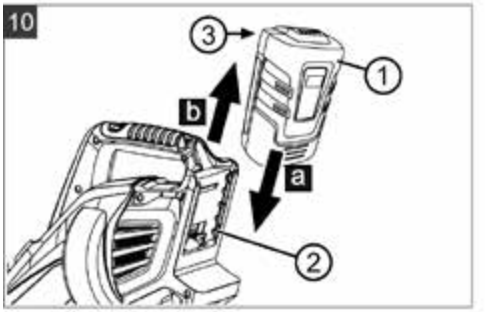
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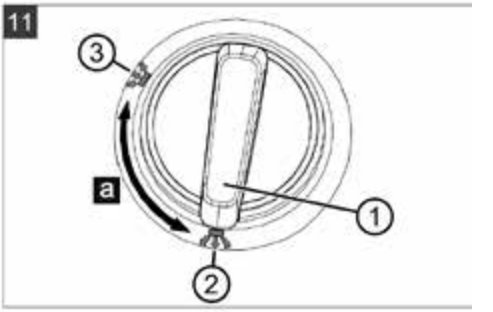
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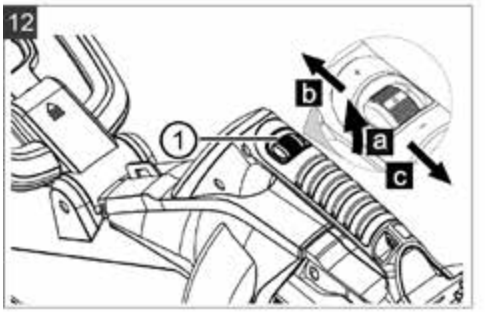
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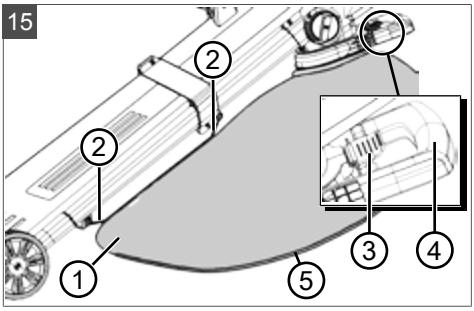

LBV 4090 **Art.-Nr. 134216**
4,5 kg / 5,9 kg
III
LwA = 99,5 dB(A), K = 3 dB(A)
LpA = 86,9 dB(A), K = 3 dB(A)
< 1,91 m/s², K = 1,5 m/s²
> 60 m/s
> 350 m³/h
42V max* Disclaimer: *Maximum initial battery voltage (measured off load) is 42 V. Nominal voltage as per industry rule (3.65V/cell) is 36 Volts.

B05-3640 **Art.-Nr. 11328045**
42 V max*
4,0 Ah
90 min
max. 15 min

Art.-Nr. 11328145
100 V – 240 V AC 50/60 Hz; 140 W
42 V DC
3.000 mA
5 – 40 °C

4 INSTALLATION

WARNING!

Danger if assembly is not carried out completely!

Operation of an incompletely assembled appliance can result in serious injury.

- Only operate the appliance when it is fully assembled.
- Do not insert the battery into the appliance until it is fully assembled.
- Check that all safety and protective devices are in place and functioning correctly before switching on.

4.1 Connecting the blowing and vacuum tube (02 - Page 11)

The blowing and vacuum tube must first be combined. The flat nozzle (02/1) of the blow tube and the intake opening (02/2) of the vacuum tube must point in the same direction.

1. Attach the blow tube to the vacuum tube as follows:
   - The metallic guide plate (02/3) of the blow tube and the guide (02/4) of the vacuum tube must be in front of each other.
   - The blow tube hook (02/5) and the vacuum tube hook (02/6) must be in front of each other.
2. Push the blowing and vacuum tubes against each other until they snap into place (02/a).

4.2 Fitting the wheelset (03 - Page 11)

1. Insert the wheel set (03/1) until it engages in the bearing (03/2) (03/a).

4.3 Attaching blowing/vacuum tube combination to basic unit (04 - Page 11)

1. Insert the blowing/vacuum tube combination (04/1) up to the stop of the basic unit (04/a) and hold it in place.
2. Insert first securing bolt (04/2) and screw in loosely.
3. Insert second securing bolt (04/3) and screw in loosely.
4. Tighten both securing bolts.

4.4 Attaching collection sack (05 - Page 11)

1. Place the transport handle (05/1) of the collection sack (05/2) onto the ejection nozzle (05/3) (05/a).
2. Push the transport handle upwards until the hook (05/4) on the transport handle and the hook (05/5) on the basic unit engage.
   Note: *You can remove the collection sack after pressing the release catch (05/6).*
3. Hook the two eyes of the bag into the hooks (05/7) of the blow tube.

4.5 Attaching and adjusting carrying belt (optional) (06 - Page 12)

1. Attaching the carrying belt:
   - Align the belt (06/1) on the appliance so that the buckle (06/2) is in front of the operator and the shoulder pad (06/3) is on the operator's shoulder.
   - Hook the snap hooks (06/4) of the carrying belt into the eyes (06/5) on the basic unit.
2. Adjust the length of the carrying belt:
   - Hang the entire appliance on the shoulder with the carrying belt. The buckle must be in front of the operator and the shoulder pad on the shoulder.
   - Move the buckle until the support wheels touch the ground.

4.6 Adjusting front handle (07 - Page 12)

1. Pull out (07/a) drawbar eye (07/1).
2. Turn the front handle (07/2) to the desired position (07/b).

5 START-UP

5.1 Charging the rechargeable battery (08 Page 12)

CAUTION!

Danger of fire during charging!

Due to heating of the charger, there is a danger of fire if it is placed on a flammable surface and is not adequately ventilated.

- Always use the charger on a non-flammable surface or in a non-combustible environment.
- If available: Keep the ventilation slots free.

NOTE
Fully charge the rechargeable battery before using it for the first time. The rechargeable battery can be charged in any charge status. Interrupting charging does not damage the rechargeable battery.

NOTE
When charging, the rechargeable battery is protected from overcharging due to automatic detection of the charge status and thus can remain connected to the charging unit for some time, but not permanently.

The temperature range for charging should be between 5 °C and +45 °C. The charging time until full charge is max. 120 minutes. If the operating time of the rechargeable battery is reduced in spite of it being fully charged, the rechargeable battery is at the end of its service life and must be replaced by a new original rechargeable battery.

6 OPERATION

WARNING!
Danger if assembly is not carried out completely!
Operation of an incompletely assembled appliance can result in serious injury.
- Only operate the appliance when it is fully assembled.
- Do not insert the battery into the appliance until it is fully assembled.
- Check that all safety and protective devices are in place and functioning correctly before switching on.

6.1 Determining the charge status of the rechargeable battery (09)

There is a control panel with a pushbutton (09/1) and LED charge status displays (09/2 to 09/5) on the front of the rechargeable battery.

1. Press the pushbutton (09/1).
   The charge status displays light according to the charge status of the rechargeable battery.
2. Read the charge level:

Lighting LEDs	Charge status of the rechargeable battery
Green (09/2)	The rechargeable battery is fully charged.
Green (09/3) and (09/4)	Rechargeable battery is charged to over 50 %.
Green (09/4)	Rechargeable battery is charged to less than 50 %.
Red (09/5)	The rechargeable battery is fully discharged or the rechargeable battery has been overheated/undercooled.

6.2 Inserting and pulling out the rechargeable battery (10 - Page 12)

Inserting the battery

1. Push the rechargeable battery (10/1) into the battery slot (10/2) until it engages (10/a).

Pulling out the rechargeable battery

1. Press and hold the unlock button (10/3).
2. Pull out the rechargeable battery (10/b).

6.3 Set blowing or vacuum operation (11 - Page 12)

1. Turn the operating mode selector switch (11/1) until it clicks into place on the symbol of the desired operating mode (11/a):
   - Blowing operation (11/2)
   - Vacuum operation (11/3)

6.4 Switching the appliance on/off and operating (12 - 14)

CAUTION!
Risk of injury and damage to property
Persons or animals can be injured and soiled by the air jet and blown away material.
- It is essential to make sure that the air jet and blown away material does not negatively affect persons or animals or damage objects.
- Note the wind direction.

NOTE
Never work against the wind to ensure that you and persons behind you are not soiled.

Switch on the appliance (12 - Page 12)

1. Optional: Hang the unit over your shoulder and stand firmly.
2. Turn the rotary switch (12/1) forwards vigorously to switch on (12/a), and after the click turn it further (12/b) until the desired blowing or vacuum speed is reached.

Working in blowing operation (13 - Page 12)

NOTE
The best blowing performance is achieved when the appliance is not operated directly on the ground, but somewhat away from the ground and preferably at a flat angle.

1. Lift the appliance by the front handle and swivel it to the left and right. If necessary, you can place the unit on the support wheels.
2. Adjust the blowing speed to the material to be blown away during work:
   - Low motor speed: For light, dry material, e.g. chippings, grains and dirt
   - Medium motor speed: For material of medium size and weight, e.g. dry leaves, grass cuttings
   - High motor speed: for heavy or wet material, e.g. wet leaves

Working in vacuum operation (14 - Page 13)

DANGER!
Risk of explosion and fire
Vacuumed explosive and flammable products, hot ashes, combustion residues without open flame or smouldering cigarettes lead to an immediate risk of explosion and fire.
- Do not vacuum up any of the products or similar objects mentioned above.

IMPORTANT!
Danger of damage to the appliance
Vacuumed fluids, branches, pieces of glass, sharp objects, pieces of metal, stones or other objects damage the components in the appliance. Wet leaves or grass clog the appliance.
- Do not vacuum any of the objects mentioned above.
- Do not vacuum any liquids, wet leaves or grass.

NOTE
The best vacuum performance is achieved when the appliance stands directly on the ground or on the wheels and the appliance is operated at the steepest possible angle of approx. 75 degrees.

NOTE
Do not vacuum small animals.

1. Lift the appliance by the front handle and swivel it to the left and right. If necessary, you can place the unit on the support wheels.
2. While working:
   - Operate the appliance at medium/high engine speed.
   - Keep the intake opening of the vacuum tube only a few centimetres above the ground.
   - Do not fill the collection sack completely. The vacuum power decreases if the collection sack is full.
3. After vacuuming a dangerous object:
   - Turn the appliance off immediately.
   - Pull out the rechargeable battery.
   - Remove the object from the appliance and empty the collection sack (see *chapter 6.5 "Emptying the collection sack (15)", page 16*).
   - Check whether the appliance has been damaged.

Switch off the appliance (12)

1. Turn the rotary switch backwards (12/c) until you hear a click. The appliance is switched off.
2. If the appliance is not used for a longer period of time or if it is unattended:
   - Pull out the rechargeable battery (see *chapter 6.2 "Inserting and pulling out the rechargeable battery (10)", page 15*).
   - Empty the collection sack (see *chapter 6.5 "Emptying the collection sack (15)", page 16*).

6.5 Emptying the collection sack (15 - Page 13)

There are two ways of emptying the collection sack.
One by removing the appliance:

1. Switch off and set down the appliance (see *chapter 6.4 "Switching the appliance on/off and operating (12 - 14)", page 15*).

2. Remove the collection sack (15/1):
   - Unhook both eyelets (15/2) of the collection sack.
   - Press down the release latch (15/3).
   - Press down the transport handle (15/4) and remove the collection sack.
3. At the ejection point: Open the zip(15/5) of the collection sack and shake out the contents. Close the zip again.
4. Attach the collection sack to the appliance again (see *chapter 4.4 "Attaching collection sack (05)", page 14*).

The second option is to go to the ejection point with the appliance and carry out the following steps.

1. Switch off the appliance (see *chapter 6.4 "Switching the appliance on/off and operating (12 - 14)", page 15*).
2. At the ejection point: Open the zip (15/5) of the collection sack and shake out the contents. Close the zip again.

7 MAINTENANCE AND CARE

WARNING!
Danger of lacerations
Danger of cutting injuries when reaching into sharp edged, moving appliance parts and into cutting tools.
- Before maintenance, care and cleaning work, always switch off the appliance. Remove the rechargeable battery.
- Always wear protective gloves during maintenance, care and cleaning work.

7.1 Maintenance schedule

The following information relates to normal application conditions. Under special conditions, such as working for a particularly long time or in a very dirty working area, the specified maintenance intervals must be shortened accordingly.

Parts are only allowed to be renewed with genuine spare parts.

Interval	Components	Work to be performed
Before starting work	■ Complete appliance	Visual inspection for condition
	■ Controls	Functional check
After daily work	■ Complete appliance	Clean
	■ Collection bag	Clean and dry when damp
If not functioning properly	■ Rotary switch	Replace*
	■ Operating mode selector switch	Replace*
If defective	■ All appliance parts	Replace*
	■ Collection bag	Replace
	■ Safety sticker	Replace

** May only be carried out by your dealer or an athorised service workshop.*

8 HELP IN CASE OF MALFUNCTION

CAUTION!
Risk of injury
Sharp edged and moving appliance parts can lead to injury.
- Always wear protective gloves during maintenance, care and cleaning work.

NOTE
For malfunctions that are not listed in this table or that you cannot resolve yourself, please contact your local service dealer.

Malfunction	Cause	Remedy
Appliance does not blow or vacuum.	Blockage in the unit	Remove blockage.
Motor does not run.	Rechargeable battery is flat.	Charge the rechargeable battery.
	Rechargeable battery missing or rechargeable battery not seated correctly.	Insert the rechargeable battery correctly.
	Rechargeable battery is too cold or too hot.	Warm up the rechargeable battery slightly or allow it to cool down.
	Rotary switch is defective.	Contact a Masport service centre.
Motor keeps cutting out.	Rotary switch is defective.	Contact a Masport service centre.
Motor cuts out.	Motor protection switch has tripped.	Wait until the motor protection switch switches the machine back on.
	Ventilation openings are dirty.	Clean the equipment.
Rechargeable battery operating time is significantly shorter.	Rechargeable battery discharged because it has not been used for some time.	Charge the rechargeable battery.
	The service life of the rechargeable battery has expired.	Replace the rechargeable battery. Only use genuine accessories from the manufacturer.
Rechargeable battery cannot be charged.	Rechargeable battery contacts are dirty.	Clean battery contacts with a dry cloth. Do not bridge battery contacts with metallic objects!
	Rechargeable battery or charging unit is defective.	Order spare parts. Contact a Masport service centre.
	Rechargeable battery is too hot.	Allow the battery to cool down.

9 TRANSPORT

Before transporting, carry out the following measures:

1. Switch off the tool.
2. Remove the rechargeable battery from the appliance.
3. Pack the battery properly.

NOTE
The nominal energy of the rechargeable battery is more than 100 Wh. Therefore, observe the following transport instructions.

The li-ion rechargeable battery contained in the appliance is subject to the hazardous goods law, but can be transported under simplified conditions:

- The rechargeable battery can be transported on public roads by the private user without further conditions provided it is packaged for retail sale and the transport serves personal purposes.
- Commercial users who carry out the transport in connection with their main activity (e.g. delivery from and to building sites, or demonstrations) can also take advantage of this simplification.

In both cases, it is essential to take the mandatory precautions mentioned above to prevent any leakage of the contents. In other cases, it is essential to comply with the regulations of the hazardous goods law. In the case of non-compliance, severe penalties can be imposed on the sender and possibly the transporter.

Additional notes on transport and shipment

- Only transport or send the li-ion rechargeable battery in an undamaged condition.
- For transporting the rechargeable battery, only use the original cardboard box or a suitable hazardous goods cardboard box (not required for rechargeable batteries with a nominal energy less than 100 Wh).
- Tape off exposed rechargeable battery contacts to avoid a short circuit.
- Secure the rechargeable battery against shifting in the packaging to avoid damage to the rechargeable battery.
- Ensure the correct marking and documentation of the shipment for transport or shipping (e.g. by parcel service or freight forwarding).
- Check in advance that transport with the selected service provider is possible and indicate the shipment.

We recommend involving a hazardous goods specialist in preparation of the shipment. Also heed any further national regulations.

10 STORAGE

10.1 Storing the appliance

If you are not going to use the appliance for longer than 2 – 3 months, the following work is necessary to avoid any damage:

1. Switch off the appliance and pull out the rechargeable battery.
2. Cleaning the appliance:
   - Wipe the entire appliance and accessory parts with a cleaning rag. Do not use petrol or other solvents!
   - Shake out the collection sack. Use a hand brush to remove adhering, vacuumed material.
   - Dry the collection sack if it is damp.
   - Remove dirt from all openings and tubes.
3. Store the machine in a cool, dry place.

10.2 Storing the rechargeable battery and charging unit

DANGER!

Danger of explosion and fire!

Persons will be fatally or severely injured if the rechargeable battery explodes because it was stored in front of naked flames or heat sources.

- Store the rechargeable battery in cool and dry conditions, but not in front of naked flames or heat sources.

NOTE

When charging, the rechargeable battery is protected from overcharging due to automatic detection of the charge status and thus can remain connected to the charging unit for some time, but not permanently.

- Store the battery in a dry, frost-free place at the prescribed storage temperature (see operating instructions for the battery) and with a charge of approx. 40 - 60 %.
- Due to a risk of short-circuit, do not store the battery near metallic or acid-containing objects.
- Recharge the rechargeable battery for approx. 2 hours after approx. 6 months' storage.

11 DISPOSAL

Information on the German Electrical and Electronic Equipment Act (ElectroG)

- Electrical and electronic appliances do not belong in household waste, but should be collected and disposed of separately.
- Used batteries or rechargeable batteries that are not installed permanently in the old appliance must be removed before disposal. Their disposal is regulated by the battery law.
- Owners or users of electrical and electronic appliances are obliged by law to return them after use.
- The end user bears personal responsibility for deleting his personal data from the old appliance to be disposed of.

The symbol of the crossed-through rubbish bin means that electrical and electronic appliances may not be disposed of in the household rubbish.

Electrical and electronic appliances can be handed in at the following places at no charge:

- Public service disposal or collection points (e.g. municipal building yards)
- Points of sale of electrical appliances (stationary and online) provided traders are obliged to take them back or offer this voluntarily.

These statements apply to appliances that are installed and sold in the countries of the European Union and are subject to European Directive 2012/19/EU. Different provisions may apply to the disposal of electrical and electronic appliances in countries outside the European Union.

Information on the German Battery Act (BattG)

- Used batteries and rechargeable batteries do not belong in household waste, but should be collected and disposed of separately.

- For safe removal of batteries or rechargeable batteries from the electrical appliance and for information on their type or chemical system, follow the further information within the operating or installation instructions.
- Owners or users of batteries and rechargeable batteries are obliged by law to return them after use. Return is limited to the handover of customary household quantities.

Used batteries can contain harmful substances or heavy metals that can cause damage to the environment and human health. Reuse of the used batteries and use of the resources contained therein contributes to the protection of these two essential commodities.

The symbol of the crossed-through rubbish bin means that batteries and rechargeable batteries may not be disposed of in household rubbish.

In addition, if the symbol Hg, Cd or Pb appears under the rubbish bin, this stands for the following:

- Hg: Battery contains more than 0.0005 % mercury
- Cd: Battery contains more than 0.002 % cadmium
- Pb: Battery contains more than 0.004 % lead

Rechargeable batteries and batteries can be handed in at the following places at no charge:

- Public service disposal or collection points (e.g. municipal building yards)
- Points of sale of batteries and rechargeable batteries
- Disposal points of the common take-back system for the used batteries of appliances
- Disposal point of the manufacturer (if not a member of the common take-back system)

These statements apply to rechargeable batteries and batteries that are sold in the countries of the European Union and that are subject to European Directive 2006/66/EU. Different provisions can apply to the disposal of rechargeable batteries and batteries in countries outside the European Union.

12 AFTER-SALES

In the event of questions of warranty, repair or spare parts, please contact your nearest MASPORT Service Centre.

These can be found on the Internet at: www.masport.com

13 WARRANTY

13.1 Warranty provider

13.1.1 The Warranty set out below is provided by Masport Limited, a New Zealand company located at 1-37 Mt Wellington Highway, Panmure, Auckland 1060, New Zealand and Masport Australia Pty Ltd., 27 Commercial Drive, Dandenong South, Victoria, 3175, Australia. For any questions regarding this Warranty or to

13.2 General warranty coverage

14.2.1 The New Zealand Consumer Guarantees Act 1993 (“New Zealand Consumer Act”) and the Australian Competition and Consumer Act 2010 (including the Australian Consumer Law 2011) (“Australian Consumer Law”), as well as other laws in each of those jurisdictions, guarantee or imply certain conditions, warranties and undertakings, and give you other legal rights, in relation to the quality and fitness for purpose of our products sold in New Zealand and Australia respectively.

13.2.2 For products sold in New Zealand, these conditions, warranties and undertakings cannot be modified or excluded by any contract, except in those circumstances contemplated by section 43(2) of the New Zealand Consumer Act.

13.2.3 For products sold in Australia, our goods come with guarantees that cannot be

excluded under the Australian Consumer Law. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.

13.3 Warranty

13.3.1 Masport warrants to you that each Product will be free from material defects in workmanship
or materials from the date the Product is originally purchased until the end of the warranty
period set out in the table below;

Garden Products	Warranty Period
Energy Flex Products	4 years
Li-ion Batteries and Charger	3 years

13.3.2 Energy Flex product range is not intended for commercial use. Any commercial use as well as unauthorised conversions or add-ones will void this warranty agreement.

13.3.3 Masport will repair or replace (at Masport's sole option) any Product that does not comply with the Warranty. The repair or replacement by Masport may be performed by a Masport agent or Specialist Retailer. You will not be charged for any labour costs involved in the repair or replacement but must bear the cost of transporting or delivering the Product to and from the location of the Masport agent or Specialist Retailer where the warranty claim is made.

13.3.4 Masport warrants that repair facilities and spare parts will be made available for each Product only from the date the Product is originally purchased until the end of the applicable warranty period as stated in clause 14.3.1 above, but for no longer period.

13.4 Exclusions from Warranty

13.4.1 No warranty is given under clause 14.3 where any defect, malfunction or failure is caused or contributed to by any of the following:

(a) Failure to follow all instructions in this manual.
(b) modification, repairs or alteration of the Product carried out by persons other than authorised Masport service agents;
(c) acts or omissions by anyone other than Masport after the Product has left Masport's control;
(d) Wear parts that are marked with a frame xxxxxx (x) on the spare parts list.
(e) Paint damage that can be attributed to normal wear and tear
(f) accidental damage, neglect, misuse of the product;
(g) any event outside of Masport's reasonable control, including without limitation, adverse weather conditions;
(h) sharpening or setting of blades; or
(i) pre-delivery assembly of the Product by anyone except for Masport, Masport authorised service agents or any other person authorised by Masport.
(j) Batteries left in a state of discharge or not regularly maintained as per instructions.

13.5 Warranty in addition to consumer protection laws

13.5.1 Despite anything else in this warranty, nothing in this warranty will exclude, limit or modify any Consumer Protection Warranty or any liability of Masport imposed by applicable law if to do so would be unlawful or make any part of this warranty void or voidable.

13.5.2 The Warranty is in addition to any Consumer Protection Warranty that may apply, for example, under the New Zealand Consumer Act or the Australian Consumer Law, or under the laws of the place where the Product was purchased. To the extent permitted by applicable law, Masport's liability under any Consumer Protection Warranty will be limited (at Masport's sole option) to Masport repairing or replacing the relevant Product or paying for such repair or replacement.

13.6 No other warranties or liability

13.6.1 Subject to Clause 14.5, Masport excludes all express or implied warranties, guarantees, conditions or terms in relation to the Product. All statements, technical information and recommendations about the Product are believed to be reliable, but do not constitute a guarantee or warranty. No statements, representations or recommendations other than those contained in the official technical information published by Masport, will bind Masport, unless made in writing signed by an authorised representative of Masport.

13.6.2 Subject to Clause 14.5, in no event will Masport be liable (whether in contract, tort, negligence or in any other way) for:

(a) loss of profits or savings, loss of goodwill or opportunity, loss of production or wasted time; or

(b) loss, damage, cost or expense of any kind whatsoever which is indirect, consequential, or of a special nature, arising directly or indirectly from the Product, even if Masport had been advised of the possibility of such damages.

13.6.3 Subject to Clause 14.5, in no event will Masport's total liability under any claim of whatever nature arising directly or indirectly from the Product exceed the price you paid for the Product.

13.6.4 This warranty embodies the entire agreement between you and Masport in relation to the subject matter of this warranty and supersedes all prior understandings, communications and representations between you and Masport, whether oral or written. No amendment to this warranty will be effective unless in writing and signed by an authorised representative of Masport. You may not assign or transfer the Warranty without the prior written consent of Masport. This warranty will be governed by the law of New Zealand and Australia, and will be subject to the non-exclusive jurisdiction of the New Zealand and Australian courts.

13.7 How to obtain service for a faulty Product

13.7.1 You must return the Product to the place of purchase or any Masport Specialist retailer, along with reasonable evidence of the date the Product was purchased, for example, an original receipt.

13.7.2 Masport or its agent will assess the claim and if accepted, will repair or replace the Product in accordance with the normal practices of the relevant Masport service agent.

13.7.3 All claims under the Warranty must be made within the relevant warranty period.

13.8 Definitions

In this warranty:

13.8.1 **"Consumer Protection Warranty"** means any warranty, guarantee, term, condition, right or remedy implied or imposed by applicable law;

13.8.2 **"Warranty"** means the warranty in Clause 14.3;

13.8.3 **"Masport"** means Masport Limited, a New Zealand company located at 1-37 Mt Wellington Highway, Panmure 1060, Auckland, New Zealand and Masport Australia Pty Ltd., 27 Commercial Drive, Dandenong South, Victoria, 3175, Australia;

13.8.4 **"Product"** means the Masport garden product accompanying this warranty;

13.8.5 **"You"** means the original purchaser of the Product.

Thank you for purchasing your Masport product. We know that you'll enjoy it!
To register your product warranty, simply visit our website:
www.masport.com

Failure to register your product warranty will not affect your rights under any Consumer Protection Warranty, however registration may help Masport deal with any warranty claim more efficiently.

14 DECLARATION OF CONFORMITY

We hereby declare, as the exclusive responsible party, that this product in its marketed form conforms to the requirements of the harmonised EU Directives, EU safety standards and the product-specific standards.

Product
Battery-operated leaf-blower/vacuum

Serial number
G2043012

Type
LBV 4090

Sound power level
EN ISO 3744
measured/guaranteed
99.5 dB(A) / 102 dB(A)

Manufacturer
AL-KO Geräte GmbH
Ichenhauser Str. 14
D-89359 Kötz
Germany

EU directives
2006/42/EC
2014/30/EU
2000/14/EC
2011/65/EU

Conformity evaluation
2000/14/EC Appendix V

Duly authorised person for technical file
Andreas Hedrich
Ichenhauser Str. 14
D-89359 Kötz
Germany

Harmonised standards
EN 60335-1:2012
EN 50636-2-100:2014
EN 62233:2008
EN ISO 12100:2010
EN 55014-1:2006+A1:2009+A2:2011
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

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