

General information

Reading and storing the user manual



This user manual accompanies this electric lawn mower GLM43L (hereinafter referred to only as the “lawn mower”).

It contains important information on start-up and use.

Before using the lawn mower, read the user manual carefully.

This particularly applies to the safety instructions. Failure to follow this user manual may result in severe injury or damage to the lawn mower.

The user manual is based on the standards and rules in force in the European Union. When abroad, you must also observe country-specific guidelines and laws.

Keep the user manual for future use. If you pass the lawn mower on to third parties, please be absolutely sure to include this user manual.

Explanation of symbols

The following symbols and signal words are used in this user manual, on the lawn mower or on the packaging.

 **WARNING!**

This signal symbol/word designates a hazard with moderate risk, which may result in death or severe injury if not avoided.

 **CAUTION!**

This signal symbol/word designates a hazard with low risk, which may result in minor or moderate injury if not avoided.

NOTICE!

This signal word warns of possible damage to property.



This symbol provides you with useful supplementary information on assembly or operation.



Declaration of conformity (see chapter “Declaration of conformity”): Products marked with this symbol meet all applicable Community regulations for the European Economic Area.



This symbol refers to a safety instruction.

Read the user manual and hold onto it.



This symbol refers to a risk of electric shock.

Keep the power cable away from cutting tools!



Sharp cutting blades! Do not reach or step under them.

Pull the mains plug before performing maintenance and cleaning!



Discharge of cuttings. Do not mow without the protective flap.

Keep other persons and animals away from the work area!



This symbol indicates the mowing area.



This symbol refers to the noise of the lawn mower when in operation.



This symbol indicates that the lawn mower complies with protection class II.

Safety

Proper use

The lawn mower is exclusively designed for mowing dry lawns. It is only intended for private use and is not suitable for commercial use.

Only use the lawn mower as described in this user manual. Any other use is deemed improper and may result in damage to property or even personal injury. The lawn mower is not a children's toy.

The manufacturer or vendor accepts no liability for damage caused by improper or incorrect use.

Safety instructions

⚠ WARNING!

Risk of electric shock!

A faulty electrical installation or excessive mains voltage may result in an electric shock.

- Only connect the lawn mower and if applicable, the extension cord if the mains voltage of the socket corresponds to the rating plate specification.
- Only connect the lawn mower to an easily accessible socket so that you can quickly disconnect it and the extension cord from the mains in case of a failure.
- Do not operate the lawn mower if it is visibly damaged or if the power cable or mains plug is defective.
- Use a residual current device (RCD) with a rated residual current of max. 30 mA. Use of an RCD reduces the risk of electric shock.
- Only connect the power cable and if applicable, the extension cord in dry indoor areas.
- Only use an extension cord which is approved for outdoor use. The wire cross-section of the extension cord must be at least 1.5 mm². Always fully unwind the cable reel before use.
- If the power cable of the lawn mower is damaged, it must be replaced with a special connector cable that can be obtained from the manufacturer or its customer service department.

- Make sure that the power cable does not come into contact with sharp objects.
- Do not open the housing; instead, have a qualified professional carry out the repairs. Contact a qualified workshop for this. Liability and warranty claims are waived in the event of repairs performed by the user, improper connection of the device or incorrect operation.
- Only parts that comply with the original device information may be used for repairs. This lawn mower contains electrical and mechanical parts essential for protecting against hazard sources.
- Do not immerse the lawn mower or the power cable or mains plug in water or other liquids.
- Never push the lawn mower through a puddle or any other vessel filled with water.
- Never touch the mains plug with damp hands.
- Never pull the mains plug out of the socket by the power cable; instead, always do so by taking hold of the mains plug.
- Keep the lawn mower, mains plug and power cable away from open flames and hot surfaces.
- Lay the power cable and, if applicable, the extension cord so that it does not pose a tripping hazard.
- Do not kink the power cable and do not lay it over sharp edges.
- Never operate the lawn mower in the rain or wet conditions.
- Never reach to retrieve the lawn mower if it has fallen in water. In such a case, immediately disconnect the mains plug.
- Make sure that children do not insert any objects into the lawn mower.
- Always switch the lawn mower off and pull the mains plug out of the socket when you are not using the lawn mower, when you intend to clean it or in the event of a fault.

⚠ WARNING!

Danger for children and persons with impaired physical, sensory or mental capacities (e.g. partially disabled persons, older persons with reduced physical and mental capacities) or lack of experience and knowledge.

- This lawn mower may be used by persons with impaired physical, sensory or mental capacities or those lacking experience and knowledge if they are supervised or have been instructed in how to safely use the lawn mower and have understood the risks associated with operating it. Children must not play with the lawn mower. Cleaning and user maintenance must not be performed by children.
- Never allow children or other persons, who are not familiar with the user manual, to use the lawn mower. Local provisions can define the minimum age of the user.
- Do not leave the lawn mower unattended while in operation.
- Do not let children play with the packaging. Children may get caught in it when playing and suffocate.

⚠ CAUTION!**Risk of injury!**

Improper handling of the lawn mower may result in injury.

- Never mow if there are people, especially children, or animals nearby.
- Never move your hands or feet close to or under rotating parts.
- Always keep away from the discharge opening.
- Do not use the lawn mower while you are tired or under the influence of drugs, alcohol or medication.
- Wear firm footwear with a non-slip profile, tight fitting, long pants and, if applicable, ear protection.
- Avoid working when the grass is wet as you could slip.

- Never open the protective flap during operation when mowing without the grass catcher bag.

NOTICE!

Risk of damage!

Improper handling of the lawn mower may result in damage to the lawn mower.

- Do not use the lawn mower to trim shrubs and hedges nor as a shredder for cutting tree and shrub prunings or for levelling ground.
- Before mowing, remove any branches, rocks, fallen fruit and other debris as well as molehills from the lawn.
- If the ground is not even, make sure that the cutting blades do not come into contact with the ground.
- On sloped ground, always work perpendicular to the slope. For reasons of safety, slopes of 15 degrees or more must not be worked on.
- Each time before you use the lawn mower, check whether the cutting blades and all screwed fittings are intact. Have dull or damaged cutting blades sharpened or replaced by a specialist workshop.
- If the cutting blades come into contact with rocks or other hard objects, immediately stop the motor, pull the mains plug and check the cutting blades for damage.
- If the lawn mower acts unusually or emits unusual noises or odours, immediately switch the lawn mower off and pull the mains plug out.

First use

Checking the lawn mower and package contents

NOTICE!

Risk of damage!

If you are not cautious when opening the packaging with a sharp knife or other pointed objects, you may quickly damage the lawn mower.

- Be very careful when opening the packaging.
 1. Take the lawn mower out of the packaging. Remove all packaging materials and transport guards. Keep the plastic bags away from children. Danger of suffocation!
 2. Check whether the delivery is complete (see **Figs. A** and **B**).
 3. Check whether the lawn mower or the individual parts exhibit damage. If this is the case, do not use the lawn mower. Contact the manufacturer at the service address specified on the warranty card.
 4. Hold onto the packaging for future reference.

Assembling the lawn mower

NOTICE!

Risk of damage!

Improper handling of the lawn mower may result in damage to the lawn mower.

- Pay attention to the cable from the on switch to the motor. It must not be crushed or pulled tight.
 1. Mount the push bar pole **4** with two screws (curved head) **18**, two washers **19** and two quick release units (push bar pole) **10** on the push bar fastener **9** (see **Fig. C**). Fold the quick release units **10** in all the way to the stop point.
Mount the push bar **1** with two screws (flat head) **17**, two washers and two quick release units (push bar height adjustment) **3** on the push bar pole (see **Fig. D**). Make sure that the teeth of the fixing gears interlock correctly. Fold the quick release units **3** in all the way to the stop point.

2. Secure the cable **11** from the on switch (with power cable) **15** to the motor with two cable clamps **12** on the push bar pole (see **Fig. F**). The cable should run under the crossbar of the bottom bar of the push bar pole.
3. Pull the rubber lips of the grass catcher bag **5** over the steel frame.
4. Make sure that the lawn mower is completely assembled before operating it.

Preparations

1. Check that all screwed connections on the lawn mower are securely seated and that the cutting blade is sharp enough.
2. Lift the protective flap **13** all the way up and hook the grass catcher bag **5** onto the lawn mower (see **Fig. E**).
3. Lay the power cable out in loops, if possible next to the lawn.
4. Make a loop with the last approx. 40 cm of the power cable.
5. Run the loop through the wide opening of the cable guide **2** and over the hook (see **Fig. F**).
6. Slowly pull the loop against the cable guide to tighten it. If the cable is not taut, it may become loose and slip out when working.
7. Insert the mains plug of the power cable in a properly installed socket.

Adjusting the push bar

1. Loosen the two quick release units (push bar height adjustment) **3**.
2. Set the push bar **1** to the desired height.
3. Make sure that the teeth of the fixing gears interlock correctly. Fold the quick release unit **3** in all the way to the stop point and if necessary, tighten it.

Setting the cutting height

You can use the lever for the cutting height adjustment to set the cutting height to seven different positions from approx. 2 to 7 cm:

1. Pull the lever for the cutting height adjustment **7** out of the catch (see **Fig. G**).
2. Push the lever to the desired cutting height. This will lift or lower the entire lawn mower.
3. Let the lever for the cutting height adjustment lock back into place.

Operation

CAUTION!

Risk of injury!

Improper handling of the lawn mower may result in injury.

- Do not touch the bottom of the lawn mower as the cutting blades will continue to rotate for a few seconds.
- Do not take the grass catcher bag off before the cutting blades have come to a stop.



Before you start work, also observe the quiet hours in your community for working with machines that produce noise.

Switching the lawn mower on and off

1. Set the lawn mower up so that the cutting blades can rotate freely.
2. Push the button on the on switch **15** and hold it down (see **Fig. G**).
3. With your other hand, take hold of the push bar **1** and pull the safety switch bar **16** up to the push bar. The motor will start. The motor will run as long as you hold the safety switch bar. The motor will switch off when you let go of the safety switch bar.

Emptying the grass catcher bag

CAUTION!

Risk of injury!

Improper handling of the lawn mower may result in injury.

- Never reach into the discharge duct even if there are still cuttings in it.

The fill level indicator **14** will be opened by the lawn mower's flow of air into the grass catcher bag **5**. As soon as the fill level indicator no longer opens or the cuttings are left on the lawn, you must empty the grass catcher bag.

1. Switch the motor off and wait until the cutting blades come to a stop.
2. Lift the protective flap **13** all the way up and take the grass catcher bag off by lifting it off of the lawn mower.
3. Do not let go of the protective flap, instead move it all the way down.

4. Empty the grass catcher bag and shake it out thoroughly. Look in the grass catcher bag: You should be able to look through the material; if this is not the case, clean it carefully with a hand brush.
5. Lift the protective flap all the way up and hook the grass catcher bag back onto the lawn mower.
6. Switch the motor on and push the lawn mower back and forth a few times to collect the rest of the cuttings.

Mowing

NOTICE!

Risk of damage!

Improper handling of the lawn mower may result in damage to the lawn mower.

- Do not drive over the extension cord with the lawn mower.



The lawn mower is also equipped with a roller for English lawn styles (stripes).

- Always mow away from the electrical connection and such that the power cable is on walkways or the mowed area.
- If possible, mow as straight a row as possible and make sure that the sides of the rows overlap by a few centimetres. This will give you a neat result.
- Be particularly careful when changing directions of travel and when pulling the lawn mower backwards.

Ideally, you should shorten the blades of grass by about one third. If it is roughly 6 cm long, the grass should not be shorter than 4 cm once mowed. If the grass is higher, you should gradually cut it down to the desired length so as not to damage the grass.

Every time the lawn mower has a fault or in an unusual situation, e.g. running into rocks, a jammed blade or similar, the lawn mower must be immediately switched off and the power cable must be pulled. Check the device for damage and only connect it to the power source once you have ensured that the device is functioning properly.

Mulching

CAUTION!

Risk of injury!

Improper handling of the lawn mower may result in injury.

- Never open the protective flap when mowing without the grass catcher bag. Cuttings and other objects will be discharged at a high speed.

When mulch mowing, the grass is only shortened by one to two centimetres and the cuttings are not collected – so you mow without the grass catcher bag **5**.

In the case of a healthy lawn that is free of moss and weeds, regular mulching saves a large amount of fertiliser as the organisms in the soil produce nutrients for your lawn in an environmentally-friendly manner – this was shown in a study by the University of Natural Resources and Life Sciences in Vienna.

After mowing

- Switch the lawn mower off (see section “Switching the lawn mower on and off”) and disconnect the lawn mower from the power supply.
- Let the lawn mower cool off.

Cleaning and maintenance

WARNING!

Risk of electric shock!

Faulty electrical installation or excessive mains voltage may result in an electric shock.

- Always be sure to unplug the power cable before cleaning or maintaining the lawn mower to prevent an electric shock or the motor from being started accidentally.

NOTICE!

Risk of short circuit!

Liquid that has penetrated the housing may cause a short circuit.

- Never immerse the lawn mower in liquids.
- Make sure that no liquid penetrates the housing.

NOTICE!

Risk of damage!

Handling the lawn mower improperly may result in damage.

- Do not use any aggressive cleaners, brushes with metal or nylon bristles or sharp or metallic cleaning utensils such as knives, hard scrapers and the like. They could damage the surfaces.
- Never spray the lawn mower with a water jet or a high-pressure cleaner. There may be significant damage if water enters the motor.

Thoroughly clean the lawn mower immediately after each use and let all components dry. Moist grass cuttings may otherwise harden or start to mould; they are then much harder to remove.

1. Remove all grass cuttings with a hand brush or brush.
2. Clean all smooth surfaces with a damp cloth.

Maintenance

- Regularly check that all screw connections are tight to ensure safe operation of the lawn mower.
- Damaged and worn cutting tools must no longer be used and must be replaced with original spare parts from the manufacturer. Only cutting blades marked with **SMV 1413205** may be used.
- Have all safety-relevant maintenance work – such as replacing faulty components or sharpening or replacing the cutting blades – carried out by a specialist or our service department to maintain the lawn mower's operational safety.

Storage and transport

All parts must be completely dry before being stored.

- If necessary, open the quick release units **3** and **10** and carefully fold the push bar pole **4** up (see **Fig. H**).
- Always store the lawn mower in a dry area.
- Protect the lawn mower from direct sunlight.
- Protect the lawn mower from excessive dust by covering it e.g. with a suitable cloth or placing it in the original packaging.
- Store the lawn mower so that it is not accessible for children and at a storage temperature between +5 °C and +20 °C (room temperature).
- Lift the lawn mower by the carrying handle (top side) **6** and if necessary by supporting it with a second hand on the carrying handle (bottom side) **8**.
When transporting the lawn mower in vehicles, the device must be secured against vibrations and sudden impacts.

Troubleshooting

Problem	Potential causes, solutions, tips
The motor is not running.	No power – check whether the mains plug has been correctly inserted in the socket.
	House fuse or fault current protection switch has been triggered – check the extension cord for damage.
	Motor overload protection has been triggered because the motor is overloaded or has overheated – let the lawn mower cool down for 15–20 minutes.
Not enough power, not running smooth	The cutting height has been set too low – increase the cutting height.
	The cutting blades are blocked by debris – check the bottom of the lawn mower and remove any debris.
	The discharge duct or grass catcher bag is plugged – check and clean both of them if necessary.
	The cutting blades are blunt or faulty – have the lawn mower checked by a specialist workshop.
Cuttings are not collected.	The grass catcher bag is full or dirty – clean the grass catcher bag thoroughly.
	The grass is too wet – let the lawn dry.

If you are unable to rectify the fault, contact the manufacturer at the service address specified on the warranty card or find a specialist workshop.

Technical data

Model:	GLM43L
Nominal voltage / frequency:	230–240 V~ / 50 Hz
Nominal output:	1800 W
Protection class:	II
Protection type:	IPX4
Max speed:	3,600 rpm
Weight:	21.1 kg
Dimensions (H × L × W):	1,100 × 1,480 × 470 mm
Cutting width:	430 mm
Cutting length adjustment:	20–70 mm
Guaranteed sound power level L_{WA} :	96 dB(A)
Sound power level L_{WA} :	93.85 dB(A) ($K_{WA} = 0.67$ dB(A))
Sound pressure level L_{pA} :	85.1 dB(A) ($K_{pA} = 2.5$ dB(A))
Vibration emission value with grass catcher bag	
Left handle:	1.721 m/s ² , (K = 1.5 m/s ²)
Right handle:	2.011 m/s ² , (K = 1.5 m/s ²)
Vibration emission value without grass catcher bag	
Left handle:	2.072 m/s ² , (K = 1.5 m/s ²)
Right handle:	2.207 m/s ² , (K = 1.5 m/s ²)
Type of cutting blade:	SMV 1413205
Article number:	94374

The noise and vibration values were determined in accordance with EN 60335-2-77:2010.

The vibration emission values may vary from the declared values when actually using the lawn mower. This depends on the how the tool is used.

Take safety measures to protect the operator, which account for all effects of the actual conditions of use (particularly all parts of the work cycle such as the machine running times, idle times and the times when the machine is switched off). Depending on the actual use of the product, the vibration values may differ from the specified total output. Suitable measures are, among other things, the regular maintenance and care of the product, keeping your hands warm, taking regular breaks and properly planning work flows!

Declaration of conformity

We,

MEROTEC GmbH
D-47877 Willich, Hanns-Martin-Schleyer Str. 18a, Germany

herewith declare that our product

Electric Lawnmower
Model no. GLM43L

complies with the following directives:

2006/42/EC Machinery Directive
2014/30/EU EMC Directive
2000/14/EC Noise Directive, amended by 2005/88/EC
conformity assessment procedure: 2000/14/EC Annex VI,
Société Nationale de Certification et d'Homologation No. 0499, BP23
L-5201 Sandweiler
Measured sound power level L_{WA} = 93,85 dB(A) (K = 0,67 dB(A))
Guaranteed sound power level L_{WA} = 96 dB(A)
2011/65/EU RoHS

Applied harmonized standards:

EN60335-2-77:2010
EN60335-1:2012+A11:2014
EN62233:2008
EN55014-1:2006+A1+A2
EN55014-2:2015
EN61000-3-2:2014
EN61000-3-3:2013

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Datum: 07.12.2016
Authorised Signature:


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General Manager
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Disposing

Disposal of the packaging



Dispose of the packaging separated into single type materials.
Dispose of cardboard and carton as waste paper and film via the recyclable material collection service.

Disposing of the lawn mower

(Applicable in the European Union and other European states with systems for the separate collection of reusable waste materials)



Old devices must not be disposed of with household waste!

If the lawn mower can no longer be used, every user is required by law **to dispose of old devices separately from their household waste**, e.g. at a collection point in their community/borough. This ensures that old devices are recycled in a professional manner and also rules out negative consequences for the environment. For this reason, electrical equipment is marked with the symbol shown here.