



**Accu-Spindelmäher**  
Accu Hand Lawnmower  
Tondeuse à main électrique  
sur batterie  
Accu-handmaier  
Accu-vřetenová sekačka  
Akumulatorowa kosiarka  
bębnowa  
Batteridriven klippare  
Falciatrice ad accumulatore  
Cortacésped  
de cuchillas helicoidales  
Cortador de relva por fuso  
com acumulador

**380 ASM**  
**24 Volt 24 PA**



**PowerAccu 24 Volt**

# Accu Hand Lawnmower 380 ASM

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## 1. Operating parts (fig. A – X)

- |   |   |  |
|---|---|--|
| 1 Cutting cylinder (fig. V)                   | 11 Handle bolts (fig. D)                  | 21 Charger LG 24 (24 Volts) (fig. P)                     |
| 2 Lower blade (fig. V)                        | 12 Adjusting handles (fig. O)             | 22 Plug for charger (fig. P)                             |
| 3 Upper section of the guide handle (fig. A)  | 13 Cover for harness compartment (fig. Q) | 23 Charging socket in PowerAccu (fig. P)                 |
| 4 Middle section of the guide handle (fig. A) | 14 On/off switch (fig. A)                 | 24 Contact bar (fig. S)                                  |
| 5 Lower section of the guide handle (fig. A)  | 15 Release knob (fig. U)                  | 25 Thickness gauge (fig. V)                              |
| 6 Wing nuts with bolts (fig. A)               | 16 Starting handle (fig. U)               | 26 Hexagon thread bolt (to adjust cutting tool) (fig. V) |
| 7 Cable clip (fig. A)                         | 17 Grass catcher (accessory) (fig. X)     | 27 Node (A)  |
| 8 Cutting height marking arrows (fig. O1)     | 18 Grass catcher holders (fig. X)         | 28 Hooks for grass catcher (A)                           |
| 9 Fixing nuts (fig. N)                        | 19 Hooks for grass catcher (fig. X)       |  |
| 10 Opening for snug and handle bolts (fig. D) | 20 PowerAccu 24 PA (fig. P)               |  |

## 2. Technical data

### PowerAccu 24 PA

Battery	20 x 1.2 V NiCd
Voltage / Capacity	24 V / 2.0 Ah
Weight	approx. 1.4 kg
Number of possible charges	approx. 1,000 times

### Charger LG 24

Voltage	230 V / 100 mA
Charging time	12-24 hours
Weight	0.2 kg

### Accu Hand Lawnmower 380 ASM

Width of the cutting cylinder	38 cm
Weight without Accu	approx. 9.5 kg
Working area related emission characteristic value $L_{pA}^{(1)}$	69 dB (A)
Guaranteed noise level $L_{WA}^{(2)}$	86 dB (A)
Measured noise level $L_{WA}^{(2)}$	82.2 dB (A)
Hand-Arm vibrations $a_{vhw}^{(1)}$	< 2.5 m/s <sup>2</sup>

Measuring method according to  
1) EN 836 2) 2000/14/EC

## 3. Notes on operating instructions

Use these operating instructions to familiarise yourself with the unit, the charging technology, the unit's features and its proper use as well as the notes on safety.



For safety reasons children under the age of 16 or people not familiar with these operating instructions must not use this Accu Hand Lawnmower.

Please keep these instructions in a safe place.


## 4. Using your Accu Hand Lawnmower correctly

The Brill Accu Hand Lawnmower 380 ASM is designed for cutting lawns in and around the garden. It is not designed for use in public facilities, parks, sporting grounds, on roads, in agriculture or forestry.


It is essential to observe the manufacturer's operating in-

structions to ensure the unit's proper functioning.

The operating instructions also contain advice for service, maintenance and repair.

 **Attention! To prevent injury, the Accu Hand Lawnmower must not be used for**

trimming bushes, hedges, shrubs, for cutting and pruning of climbers or grass on roofs or in balcony boxes.

 **Attention! To prevent injury, the PowerAccu must only be used as a power source for 24-Volt tools manufactured by Brill.**

## 5. Assembling the Accu Hand Lawnmower

### 5.1. Checking all parts are included

The Accu Hand Lawnmower box contains the following parts:

- Accu Hand Lawnmower
- 1 PowerAccu 24 PA
- 1 upper section of the guide handle
- 1 middle section of the guide handle
- 1 lower section of the guide handle
- Assembly parts for the guide handle in a plastic bag
- 1 Charger LG 24 (24 Volt)
- 1 thickness gauge
- Operating instructions

### 5.2. Assembling the guide handle

(Fig. A - M)

1. Tilt your Hand Lawnmower so that the black rollers face upwards (Fig. B/C). Fit the lower section of the guide handle (5) so that the drilled holes (10) are over handle bolts (11) (Fig. B). Note: Make sure that the groove in the drilled hole (10) and the locking tab of the handle bolt (11) meet (Fig. D). **Warning!** Do not use excessive force. First ensure that the recess in the handle and the lug of the bolt are in alignment and then fix together.

2. Continue assembling the guide handle as follows using the black central connecting section:

Disassemble the central connecting section (27) [referred to as the "node" from now on].

The front and rear sides of the node are fastened together by a clip lock to prevent them from springing open. The clip lock can be found in the recess on the back of the node. For easier disassembly, release the clip lock by pushing it outwards.

Press the four nuts into the recesses in the rear section of the node (the side without the Brill logo). Gently press in the four nuts so that they are inserted properly and do not fall out of the recesses when the node is turned over (Fig. E).

Turn the mower so that the rollers rest on the ground. Prepare the top and middle sections of the guide handle so that the sections of the handle overlap as shown in the assembly diagram (Fig. F). Hold the rear section of the node so that the grass catcher holder (28) faces upwards and guide the cable through the cable duct on the left side of the node (Fig. G) (viewed from below). Pay attention to

the length of the cable!).

Now insert both sections of the handle according to the recesses (Fig. H).


Attach the front section of the node to the rear section of the node. Make sure that you hear the clip lock snap into place and screw together both parts of the node using the bolts provided (Fig. I/K).

3. Now attach the middle and top sections of the guide handle using the bolts and wing nuts provided (Fig. L/M).

**Warning!** The cable must not hang down near the cutting cylinder.

### 5.3. Setting the cutting height

(fig. N/O)

 **Warning! To prevent injury, never set the cutting height when the motor is running.**

Set the cutting height on the Accu Hand Lawnmower as follows:

1. Stand the Hand Lawnmower on a flat, solid surface.
2. Position yourself in front of the cutting height scale of the Accu Hand Lawnmower (fig. N).
3. Loosen both fixing nuts (9).
4. With both hands on the adjusting handles (12) set the

cutting height you require (fig. O):	
Highest cutting height:	45 mm
Lowest cutting height:	20 mm

- Note:** Make sure that the arrows marking the cutting height [8] show the same cutting height on both sides of the scale (fig. O1).
5. Retighten both fixing nuts [9] (fig. N).

**Note:** When setting the Accu Hand Lawnmower to a low cutting height, ensure that the lower blade and cutting cylinder do not touch the ground if the ground is uneven.

## 6. Putting into operation

### 6.1. Charging the PowerAccu (fig. P)

For technical reasons the PowerAccu [20] is **not charged**. Consequently, the unit needs to be charged before initial operation.

For this **exclusively** use the Charger LG 24 [21].

Plug the charger [21] into the mains socket and then push the plug for the charger [22] into the charging socket [23] of the PowerAccu. The charging procedure begins.

Ensure you use the correct mains voltage!

Charging time: approx. 24 hours for the initial charge. Afterwards, 12-24 hours depending on the state of charge.

The PowerAccu reaches its full capacity only after numerous (approx. 5) charging/discharging processes.

**!** Do not charge the PowerAccu with charging equipment other than the Charger LG 24 since only this charger has been specifically adapted for use with the PowerAccu.

The use of other charging units can lead to damage and injuries.

The use of other charging units makes all claims for compen-

sation null and void and releases the manufacturer from all guarantee services.

**!** Charge the PowerAccu for 24 hours before using your Accu Hand Lawnmower for the first time.

**!** The mains plug [21] heats up slightly during the charging procedure.

**!** Charge the PowerAccu in a dry place and away from direct sunlight.

**!** Never charge the PowerAccu anywhere near easily inflammable materials.

### 6.2. Connecting the PowerAccu (fig. Q - T)

1. Open the harness compartment (fig. Q). Hold the PowerAccu in your right hand and use your left hand to pull the harness to the left so that the ends of the harness lie flat against the PowerAccu (fig. R).
2. Push the PowerAccu into the contact bar [24] until you hear it click into place (fig. S).
3. Fold the harness into loops, stow it away in the harness compartment (fig. T) and close the cover [13]. This also secures the PowerAccu in the contact bar.

### 6.3. Starting your mower (fig. U)

**Warning!** Before starting your Accu Hand Lawnmower check for foreign bodies in the cutting cylinder and remove if necessary.

Start your Accu Hand Lawnmower as follows:

1. Stand your mower on a level part of the lawn.
2. To start the motor, press and hold down the release knob [15] (fig. U) and with the other hand, simultaneously pull the starting handle [16] towards the cross bar (fig. U).
3. If you release the starting handle [16] the motor switches off again.

**!** The switches installed by the manufacturer must not be removed or be bridged eg: by taping down the starting handle [16] to the guide handle. This will prevent the mower switching off automatically, and could cause fatal injury.

**Attention!** Cutting cylinder continue to run for a few seconds after the motor is switched off.

When working with the Accu Hand Lawnmower the Accu heats up; this is normal and does not affect its performance.

## 7. Information concerning correct mowing

### 7.1. General remarks on the care of lawns

At the beginning of the grass-cutting season and with newly laid lawns, we recommend you select a relatively high cutting height (e. g. 45 mm) then gradually decrease the cutting height over time. To maintain a well kept lawn you should set the cutting height to approximately 25-30 mm.

If possible, mow your lawn once a week. When you mow your lawn frequently the short roots of the grass grow making your lawn more resistant.

Always mow your lawn when it is relatively dry. To obtain a clean cut guide the Accu Hand Lawnmower in lanes as straight as possible at a walking pace. Ensure that the lanes overlap by a few centimetres so that no uncut strips are left behind.

Cut the lawn for the first time in spring when the grass begins to grow and the lawn can be walked on. If the grass has grown too long first cut it lengthwise with a high cutting height setting (approx. 45 mm) and then cut at right angles with the desired lower cutting height setting (e. g. 25 mm).

The area of lawn you can mow with one charged accu depends on the height and thickness of the lawn, i.e. the taller and thicker the lawn, the smaller the area of lawn you can mow with one fully charged Accu.

### 7.2. Mowing

**Tip:** Only cut with a sharp cutting cylinder so that the grass is not bruised and turn yellow.

For a clean cut guide the Accu Hand Lawnmower at an appropriate speed in lanes as straight as possible.

**Note:** The Accu Hand Lawnmower can be operated with the Accu or without as a hand mower.

**Warning:** The revolving cutting cylinder can cause injuries.


Always maintain the distance between the cutting cylinder and user suggested by the guide handle.

When working on inclines always stand diagonally to the incline in a sturdy, safe stance.

To prevent tripping, take particular care when moving backwards and when pulling the Accu Hand Lawnmower. You may stumble!

For information on how to set the cutting height see section "Setting the cutting height".

### 7.3. Mowing with the grass catcher – Accessory (fig. X)

 Only attach the grass catcher when the motor is switched off and the cutting tool has stopped moving.

Using the Brill grass catcher saves you having to rake together the grass cuttings.

To attach the grass catcher hook the grass catcher holders (18)

over the hooks (19) of the Accu Hand Lawnmower and hook the carrying strap onto the lower part of the guide handle (27/28).

**Note:** The height of the grass catcher can be adjusted using the strap.

For the best grass-catching results, push your mower at a walking pace.

### Blockage protection / Circuit breaker

If the mower is blocked by a foreign body or if the motor is overloaded, the motor is automatically switched off by the circuit-breaker. Pull the Power-Accu out of the contact bar. Remove the foreign body or the cause for the overload and after a few seconds restart the mower. If the motor switches off although there are no foreign bodies in the cutting tool it is possible that the cutting height you have selected is too low. Select a higher cutting height, e. g. 45 mm and then select a lower cutting height for the second cut.

If the Accu Hand Lawnmower is overloaded over a longer period of time the motor may become hot. To protect the motor from overheating the thermal circuit-breaker switches off the motor.

You can switch on the mower again after approximately 2-5 minutes.


## 8. Maintenance / care / storage

### 8.1. Maintenance


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Maintenance includes all jobs which keep your Accu Hand Lawnmower in perfect working order. By regularly checking the unit (firm seating of screw connections, cracks, damage) and replacing defective or worn parts you can prevent accidents and failure.


**Repairs may only be carried out by Brill service centres or dealers authorised by Brill.**

 Before cleaning and setting the Hand Lawnmower, switch off the motor and remove the PowerAccu to prevent starting the motor unintentionally.

### 8.2. The PowerAccu (fig. P) Charging the PowerAccu

 **Note:** Only charge the PowerAccu with the charger supplied! Using other charging units could lead to damage and injury. Using a charger other than the Brill charger supplied releases Brill from all liability and warranty claims.

We recommend charging the PowerAccu immediately after using your mower using the supplied charger (21).

 **Important!** Never charge the Accu after having been heated up by operation or sun. Let cool down first.

Never expose the Accu to direct sunlight while charging.

Never charge the Accu anywhere near acids and easily inflammable materials. Danger of fire!

**Note:** Do not wait until the Accu is completely flat before recharging.

Charge the PowerAccu in a dry place as follows (fig. P):

1. Open the cover of the harness compartment (13).
2. Pull the PowerAccu (20) out of the contact bar.
3. Plug the plug (22) of the charger into the charging socket (23).
4. Then plug the charger (21) into the mains socket.
5. To resume mowing after charging the PowerAccu, proceed as described in section 6.2.

#### Important:

- Protect the charging socket (23) against dirt and moisture.
- If the PowerAccu capacity is so low that the Hand Lawnmower switches off automatically then the charging time is 24 hours.

The Accu should be stored at a dry, elevated, frost-free, locked up place, where children have no access. Avoid direct sunlight.


**Always disconnect the PowerAccu from tools before storing to avoid improper use and accidents.**

Make sure the surface and the contacts of the PowerAccu always are clean and dry before connecting the charging unit.

When dirty clean them with a soft, dry rag; never use running water.

If you do not use the PowerAccu for long periods of time, please charge it again before using. Since a gradual self-discharge occurs, charge the Accu completely before initial use after longer periods of storage.

### 8.3. The Accu Hand Lawnmower Cleaning

 To avoid injury to persons and material damage:

**Never clean your Accu Hand Lawnmower with running water, in particular with water under high pressure.**

After using the mower clean with a moist cloth. Spray the cutting cylinder and lower blade with an oil of low viscosity (e.g. spray oil).

#### Maintenance

The blades, which if cared for properly must only be sharpened after years, can only be sharpened by Brill due to the special sharpening technique.

The mower may only be repaired and the cutting blades may only be installed by approved specialist workshops.

**Note:** Ensure that all nuts, bolts and screws are tight and that the mower is in good working order. For safety reasons, allow all worn out and damaged parts to be exchanged by Brill Service or authorised specialist dealers.

To avoid injury and damage to the mower we recommend you have your mower checked in autumn so that it is ready and safe to use next season.

#### Storage

**Store your Accu Hand Lawnmower in a dry, cool place where it is protected from frost. The mower should be stored out of the reach of children.**

### 8.4. Readjusting the cutting tool (fig. V/W)

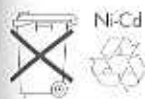
The cutting tool of your Accu Hand Lawnmower was set at an optimum setting before leaving our factory. However, if the cut is not clean after using your mower for a longer period of time, please correct the setting of the lower blade as follows:

1. Switch off the Accu Hand Lawnmower and pull the PowerAccu out of the contact bar to prevent starting the Accu Lawnmower unintentionally.
2. Push the supplied thickness gauge (25) on the left hand side between one blade of the cutting cylinder (1) and the lower blade (2) (fig. V).
3. Turn the hexagon thread bolt (26) with a 10 mm fork wrench to the left or to the right until the thickness gauge closes slightly. Repeat this on the right hand side of the mower.
4. Turn the cutting cylinder to test the setting. None of the 5 blades of the cylinder must touch the lower blade.

**Warning!** Handle the cutting tool carefully to avoid cutting yourself. Wear appropriate gloves to protect your hands.

5. When you have adjusted the cutting tool test it using a piece of newspaper (fig. W).

## 9. Disposal / recycling



Ni-Cd These Accus contain nickel/cadmium cells.

After their lifetime have expired, they may not be disposed of as normal house rubbish, but must be disposed of properly.

Please return PowerAccu to a Brill dealer that sells the PowerAccu 24-Volt System or take them to a recycling centre that accepts and recycles rechargeable batteries.

## 10. Instructions for correct use / safety instructions

### Checks before each operation

Inspect the unit before each use. Do not use the Accu Hand Lawnmower if safety devices (safety handle; safety cover) and/or the cutting cylinder are damaged or worn. Never operate the unit with the safety devices by-passed or missing.

Inspect the area of grass you are going to mow before beginning work. Remove any foreign objects (e. g. stones, branches or bones). Check the working area for foreign objects during work.

The cutting cylinder and the lower blade must be checked regularly for damage and properly repaired if necessary.

Cutting tools must only be exchanged by Brill Service or an authorised specialist dealer.

### Proper use / Responsibility

This Accu Hand Lawnmower can cause serious injuries! You are responsible for the safety of the working area.

To prevent injuries, never start the motor when the mower is tipped. Risk of injury.

Only use the Accu Hand Lawnmower for the purposes specified in these instructions.

Only work when visibility is good.

Guide the mower at a walking pace only.

Familiarise yourself with the surroundings of your working area. Check for possible risks which might be not audible due to the noise of the machine.

Wear sturdy shoes and long trousers to protect your legs.

Keep fingers and feet away from the cutting tool.

Make sure that there are no other people (especially children) or animals anywhere near the working area.

Ensure that you have a secure foothold when working. Attention! Take extra care when walking backwards. You may stumble!

If you do come into contact with an obstacle, turn off the Accu Hand Lawnmower by pulling the PowerAccu out of the contact bar. Remove the object, then check the mower for damage and have it repaired if necessary.

### Interruptions of work

Never leave the Accu Hand Lawnmower unattended at the working area. If you interrupt your work store the mower in a safe place.

If you interrupt your work to move to another working area, always switch off your Accu Hand Lawnmower and pull the PowerAccu out of the contact bar.



Check the environment

Never use the unit when it is raining or in damp or wet areas.

Do not operate your Accu Hand Lawnmower near swimming pools or garden ponds.

Please observe the prescribed local quiet times.

Keep the charger in a dry place.



Notes on safety regarding the PowerAccu /

Danger of fire

Never charge the Accu after having been heated up by operation or sun. Let cool down first.

Never expose the Accu to direct sunlight while charging.

Never charge the PowerAccu when connected to a 24-Volt tool.

Never charge the Accu anywhere near acids and easily inflammable materials. Danger of fire!

Only use the PowerAccu with the specified tools.

Under extreme conditions, some accu acid could escape. This, however, does not represent a defect. Proceed as follows should the casing leak:

1. Immediately wash the affected area of the skin with soap and water.
2. Neutralize the accu acid with vinegar or lemon juice.
3. If accu acid should get into your eyes, rinse your eyes for at least 10 minutes with fresh water. Then contact your doctor immediately!

Do not throw the used Accu into fire under any circumstances. Danger of fire!

Contacts should never be bridged with metal or other electric conducting parts. Short-circuit – fire risk!

## 11. Trouble-shooting

The following table contains the problems most frequently occurring and shows how to remedy them.

Problem	Possible cause	Remedy
Abnormal noise. Clattering in the unit.	Motor fixing screws or mower casing loose.	Tighten screws.
Metal-like hammering noises.	Foreign body blocking the cutting cylinder.	Turn off the mower. Pull the PowerAccu out of the contact bar. Remove the foreign body.
Motor will not start.	PowerAccu not pushed all the way in.	Harness is not flat against PowerAccu.
	Circuit breaker has been triggered.	Wait approx. 2-5 minutes then turn on the motor again.
Motor turns off.	Blocked by foreign body. Blocking protection activated.	Switch off the motor. Pull the PowerAccu out of the contact bar. Remove the foreign body.
	The cutting height you have selected is too low; you are pushing the mower too quickly. Circuit breaker has been activated.	Let the motor cool for 2-5 minutes, then use the mower with a higher cutting height and reduce the cutting height in stages until you reach the lower cutting height you require. Push the mower more slowly across the lawn.



Problem	Possible cause	Remedy
	Battery power too low for cutting height.	Increase the cutting height and cut the lawn in stages or charge the accu (see chapter B.2. "The PowerAccu").
<b>Yellow lawn. Cut not clean.</b>	Cutting height too low.	Increase the cutting height.
	Cutting gap between cutting cylinder and bottom blade is too wide.	Readjust cutting tool (refer to section B.4.).
	Blades are blunt or damaged.	Have the blade replaced at a Brill Service Centre or by an authorised specialist.

If you have any other problems with your Accu Hand Lawnmower, please contact Brill Customer Service or return the defective unit with a short description of the problem and, in case of guarantee, with the appropriate guarantee documents to one of the service centres listed in this leaflet.

**We would draw attention to the fact that, under the product liability legislation, we are not liable for loss or damage caused by our products when such are caused by improper repairs or when during an exchange of parts such parts are used which**

**are not manufactured by or approved by ourselves, and the repairs are not carried out by an authorised Brill service centre or an authorised specialist dealer. The same restrictions also apply for supplementary and accessory parts.**

## EU Certificate of Conformity

The undersigned

**Brill Gartengeräte GmbH, Därmannsbusch 7, D-58456 Witten**

hereby certifies that, when leaving our factory, the unit indicated below is in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards.

This certificate becomes void if the unit is modified without our approval.

**Description of the unit:**  
Accu Hand Lawnmower /  
Charger

**Type:**  
380 ASM / IG 24

**Art. no.:**  
65035 / 11917

**EU directives:**  
Machinery Directive  
98/37/EC  
Electromagnetic Compatibility  
89/336/EC  
Low Voltage Directive  
73/23/EC  
Directive 93/68/EC  
Directive 2000/14/EC

**Harmonised  
European standards:**  
EN 292-1  
EN 292-2  
EN 836  
EN 6100-3-2  
EN 6100-3-3  
EN 50338  
EN 55014-2  
EN 55014-1  
EN 60335-2-29:88  
EN 61558-2-6:97

**Guaranteed  
noise power level  $L_{WA}$ :**  
86 dB (A)

**Measured  
noise power level  $L_{WA}$ :**  
82,2 dB (A)

**Year of CE marking:**  
2002

Witten, 02.04.2002



Edgar Heilmann  
Geschäftsführer

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380 ASM

