ENGLISH - INSTRUCTION MANUAL

SNOW BLOWER



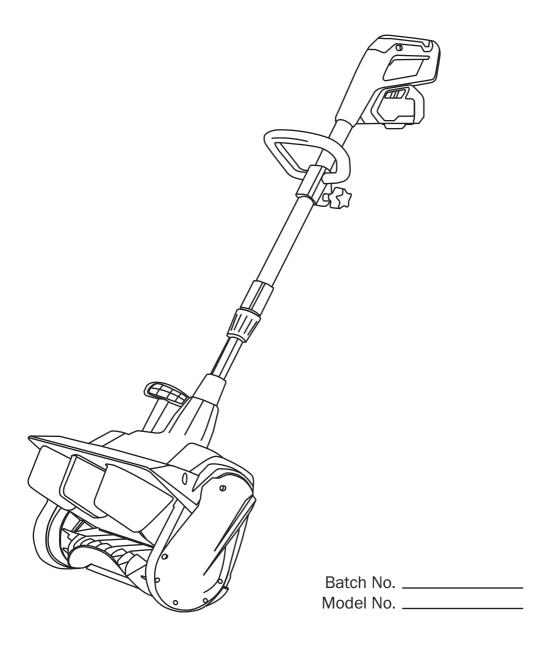


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IP X2

Pictograph illustration and explanation

 $1 \ \mbox{Read}$ all the operating instructions carefully. Make sure in advance that you are fully familiar with the operation

of the machine.

- 2 Do not use the rotary snowplough when other people, especially children are nearby.
- 3 Danger! Keep hands and feet away from the cutting equipment!
- 4 Danger! Turn off motor before unclogging discharge chute
- 5 Attention: Environmental Protection! This device may not be disposed of with general/household wast.

Dispose of only at a designated collection point.

- 6 Complies with the relevant safety standards
- 7 Guaranteed acoustic capacity level LWA 90 dB(A)
- 8 Protection category: Foreign object protection / water protection

Description of the parts



- 1 Handle
- 2 Switch safety lock
- 3 On/Off switch
- 4 Rechargeable battery cover 5 Telescopic tube

- 6 Wingnut
- 7 Additional handle
- 8 Height adjustment
 9 adjustment lever for throwing direction
- 10 Motor housing
- 11 Scraper
- 12 Feed worm
- 13 Discharge guide blades 14 Discharge hood



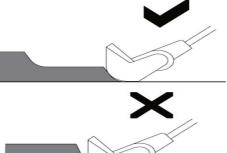












Technical Data

Operational voltage	40 V DC
Idle Speed	1500 rpm
Sweep width	330 mm
Max. clearing depth	150 mm
Max. throw range	5-6 m
Battery type	* R3-360-AH-U-01, R3-360-AH-U-02
Voltage / battery capacity / energy	Li-lon 40 V / 2,5 Ah / 100 Wh
Charging device	* R3-360-3A-02 rapid charger R3-360-1A-02 standard charger
Runtime	max. 50 min.
Weight (without Battery)	6,6 kg
Noise power level	(EN 836 Annex H) 84,4 dB(A)
Noise pressure level	(EN 836 Annex H) 73 dB(A) [K 3,0 dB(A)]
Vibration	(EN 836 Annex G) 2,5 m/s ² [K 1,5 m/s ²]

^{*} not included in the scope of delivery

The machines comply with the safety class III / Protection category IP X2 Technical changes are reserved.

Noise emission information in accordance with the German Product Safety Act (ProdSG) and the EC Machine Directive: the noise pressure level at the place of work can exceed 80 dB(A). In such cases the operator will require noise protection (e.g. wearing of ear protectors).

Attention: Noise protection! Please observe the local regulations when operating your device.

Safety guidelines

The product you have bought is approved for use exclusively as follows:

- Correct clearing of snow in private roadways, entrances and car parks, as long as these are not subject to the General Traffic Regulations (for example public footpaths or vehicle entrances. For this it may be necessary to apply for a permit from the state authority responsible).
- The material to be cleared is fresh snow only. Misuse with regard to other materials is explicitly forbidden and can in no way be the subject of complaint or claim regarding personal injury or damage.

Read the operating instructions carefully and observe the warning information before, during and after using the machine. Keep the machine in good condition. Familiarise yourself with the operating components of the machine before using it for the first time. Above all you must know how to switch off the machine in emergency. Take care of these operating instructions and all other documents relating to the machine.

Safety Precautions

- 1. This machine is to be used exclusively
- -as rotary snowplough for clearing snow from surfaced paths and the grounds of houses and leisure areas.
- -in accordance with the descriptions given in these operating instructions and safety instructions.
- 2. Any other usage is considered to be contrary to regulations!
- 3. Usage of the machine contrary to regulations or arbitrary alterations of the machine cause the liability of the manufacturer to become invalid.
- 4. The user is liable for any damage to a third party or the property of a third party caused by the operation of the machine.
- 5. As machine user you should read these operating instructions with care before using the machine for the first time. Work according to them and take care of them for later reference or in the case of a new owner.
- 6. The machine must not be operated by persons under the influence of intoxicants such as alcohol, drugs or medication. Do not permit any person under the age of 16 to use this machine (the minimum age for usage can be regulated differently in different areas).
- 8. Keep persons, in particular children and pets away from the machine.
- 9. Never operate the machine indoors but always only in the open. Overbuilt and highwalled paths may only be cleared when safe operation is possible. Pay particular attention to windows and persons in the proximity in order to exclude injury to persons and damage to property.
- 10. Never direct the machine towards persons.
- 11. Do not use the snowplough near glass, motor vehicles, windows etc. without correctly adjusting the angle of the snow ejector.
- 12. For the work or for maintenance always wear gloves, safety glasses, tight-fitting winter clothes and strong shoes with profiled soles.
- 13. Never allow body parts or clothing near rotating machine parts.
- 14. Use the machine only where there is sufficient light. Always hold the machine and the handles tightly. Never run with the machine.
- 15. Use the machine only for light, loose snow (new snow) up to a maximum depth of about 25 cm.
- 16. Frozen snow and ice must not be cleared with this machine.
- 17. Allow the motor to cool down before storing in an enclosed room.
- 18. Operate the machine only in faultless condition as established by the manufacturer and delivered.

- 19. Use only original spare parts from the manufacturer or parts from a different supplier but approved by the manufacturer.
- 20. Allow the machine to be repaired only at a qualified workshop.
- 21. Do not make adjustments while the machine is running (unless the adjustments are recommended directly by the manufacturer).
- 22. The safety gap to the rotating parts defined by the guide bar must always be assured.
- 23. Stop the motor before moving it over surfaces such as pavements or yard entrances which should not be cleared. Operate the machine always only in a faultless and safe condition.
- 24. Check the area to be cleared and remove all objects which could be taken up and ejected by the machine.
- 25. Possible damage to the machine: When foreign bodies (e.g. stones) strike the machine or unusual vibration occurs, switch off the machine and check for damage. Repair any damage before working any more with the machine.
- 26. Operate the machine only in faultless condition. Make a visual inspection each time before starting up. Inspect for damage in particular the safety components, electrical operating elements, electrical wiring and screw connectors for tightness. If necessary replace damaged parts before operating.
- 27. In case of extreme temperature differences, please allow the rotary snowplough a short time to adjust to the ambient temperature before beginning to clear snow. Otherwise, by beginning immediately with the work, early wear on the drive shaft and other components, for example rubber seals can take place.
- 28. Work slowly and carefully, particularly when changing direction. Direct the machine against the gradient or with the gradient, but not across it. Watch out for hindrances, do not work near hilly terrain. Never use the machine on slopes with a gradient more than 20%.
- 29. Clear snow immediately after snowfall; later the snow layer beneath turns icy and makes the work difficult.
- 30. Where possible clear in the wind direction.
- 31. Clear snow so that the cleared tracks overlap a little.
- 32. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 33. Children should be supervised to ensure that they do not play with the appliance.
- 34. Switch the motor off and remove the rechargeable battery if you
- · are not using the machine
- · are leaving the machine unattended or
- when carrying out adjustments, maintenance or repair work.

Training

- 1. Read the operating and service instruction manual carefully. Be thoroughly familiar with the controls and the proper of the equipment. Know how the unit and disengage the controls quickly.
- 2. Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- 3. Keep the area of operation clear of all persons, particularly small children, and pets.
- 4. Exercise caution to avoid slipping or falling, especially when operating in reverse.

Preparation

- 1. Thoroughly inspect the area where the equipment is to be used and remove all doormats, sleds, boards, wires, and other foreign objects.
- 2. Disengage all clutches and shift into neutral before starting the engine.
- 3. Do not operate the equipment without wearing adequate winter garments. Wear footwear which will improve footing on slippery surfaces.
- 4. Adjust the collector housing height to clear gravel or crushed rock surface.
- 5. Never attempt to make any adjustments while the engine is running (except where specifically recommended by manufacturer).
- 6. Let engine and machine adjust to outdoor temperatures before starting to clear snow.
- 7. The operation of any powered machine can result in foreign objects being thrown into the eyes. Always wear safety glasses or eye shields during operation or while performing an adjustment or repair.

Operation

- 1. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- 2. Exercise extreme caution when operation on or crossing gravel drives, walks, or roads, stay alert for hidden hazards or traffic.
- 3. After striking a foreign object, stop the motor, remove the rechargeable battery, check the device thoroughly for damage and repair any damage found before switching the machine on again and operating.
- 4. If the unit should start to vibrate abnormally. Stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- 5. Stop the engine whenever you leave the operating position, before unclogging/impeller housing or discharge guide, and when mak- GB-5 ing any repairs, adjustments, or inspections.
- 6. When carrying out cleaning, repairs or testing, ensure that the pick-up worm / running wheel and all moving parts are stationary. Remove the rechargeable battery in order to prevent unintentional activation.
- 7. Do not clear snow across the face of slopes. Exercise extreme caution when changing direction on slopes. Do not attempt to clear steep slopes.
- 8. Never operate the snow thrower without proper guards, plates or other safety protective devices in place.
- 9. Never operate the snow thrower without near glass enclosures, automobiles, window wells, offs, etc. without proper adjustment of the snow discharge angle. Keep children and pets away.
- 10. Do not overload the machine capacity by attempting to clear snow at too fast a rate.
- 11. Never operate the machine at high transport speeds on slippery surfaces. Use care when reversing.
- 12. Never direct discharge at bystanders or allow anyone in front of the unit.
- 13. Remove the rechargeable battery if transporting the machine and when it is not in use.
- 14. Use only attachments and accessories approved by the manufacturer of snow thrower (such as wheel weights, counterweights, cabs, etc.).
- 15. Never operate the snow thrower without good visibility or light. Always be sure of your footing, and keep a firm hold on the handles. Walk; never run.
- 16. Do not carry passengers.
- 17. Never operate the snow thrower without good visibility or light.
- 18. Take all possible precautions when leaving the machine unattended. Remove the rechargeable battery, lower the attachments and switch to neutral, if possible, set the parking brake, stop the motor and remove the key.

Assembly

Always remove the rechargeable battery from the device before all work.

Fitting the guide tube (fig. 1 & 2) The snow blower is split into 2 parts. You must assemble the device before using it. Attach the snow blower to the telescopic tube and tighten the ribbed plastic sleeve clockwise. Height adjustment (Fig. 3) Turn the ribbed plastic sleeve clockwise to loosen it (1). Adjust the tube to a suitable length (2) and re-tighten the screw sleeve by turning anticlockwise (1). Inserting/removing the rechargeable battery (not included) (fig. 4 & 5)

- Press the battery release buttons to remove the battery from the device.
- The charged battery can be inserted into the battery mounting on the device with a light press. The locking mechanism will 'click' when the battery is in place.

Starting up

On/Off switch (Fig. 6) Warning! The auger starts rotation immediately after switch on! Keep hands and feet away from auger. To switch ON, hold the appliance firmly with two hands and press the Safety lock off button

- (2) while press the On/Off switch trigger
- (3). Keep the switch trigger hold while release the button. To stop the appliance, release the switch trigger and it automatically returns to its start position.

Removing snow

- Before starting work, make sure that the area to be clear is free of stones, debris, wires and any other objects.
- Make sure all fasteners (screws, nuts, etc.) are always fully tightened so that you can work safely with the appliance.
- Check the auger for wear and tear at regular intervals.
- Position discharge chute in safe direction and angle, away from operator and bystanders.
- Clearing snowfall often, before it gets too deep. Snow is best removed as soon as possible after snow falls.
- Lift the auger off surface slightly before switch on.
- Switch on and tilt the appliance forward until the scraper blade contacts the ground. Push the appliance forward at a comfortable rate of speed, yet slow enough to clear the path completely. The width and depth of the snow determines your forward speed.
- Direct the snow to the right or to the left by holding the appliance at a slight angle. For the most efficient snow removal, throw the snow downwind, and slightly overlap each swath.
- The appliance can remove snow up to 12 cm deep in one pass. When clearing deeper drifts, hold the appliance by the upper and lower handles and use a swinging or sweeping motion. Shaving off the top layer and making multiple passes (Fig. 7).

For large areas, a definite pattern of operation is required to thoroughly clean an area of snow. These patterns will avoid throwing snow in unwanted places as well as eliminating a second removal of snow. (Fig. 8)

Pattern A: Throw the snow to the right or left side where it is possible, as on a long driveway it is advantage to start in the middle. Plow from one end to the other, throwing snow to both sides.

Pattern B: If the snow can only be thrown to one side of the driveway or sidewalk (above), start on the opposite side.

