greenworks

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EN BACKPACK SPRAYER

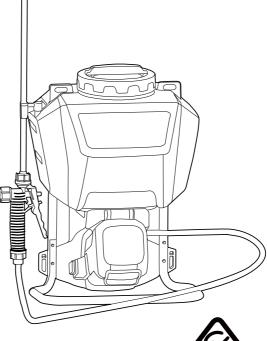
OPERATOR MANUAL













Greenworks Australia A Division Jak Max P/L 380 Foley's Road Derrimut Victoria, Australia 3026 www.greenworksaustralia.com

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1 PRODUCT DESCRIPTION

This product is a battery-powered sprayer with an electric motor for continuous spraying.

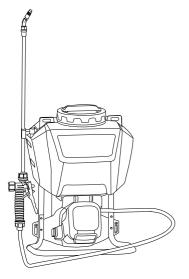
We have a policy of continuous product development and therefore reserve the right to modify the design and the appearance of the products without prior notice.

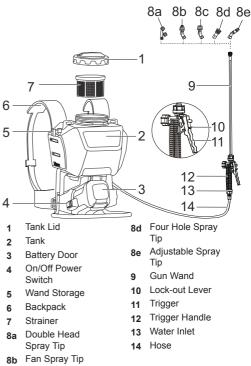
2 PURPOSE

The product is used to spray your yard for invasive plants and pests. By taking on this task yourself, you have control over the herbicides and pesticides that you use in your yard and around your house

For residential use only, not for professional use, and for operation at temperature above $32^{\circ}F$ (0°C).

3 PRODUCT OVERVIEW





8c Single Head Spray Tip

4 SAFETY

4.1 SAFETY DEFINITIONS

Warnings, cautions, and notes are used to point out especially important parts of the manual.

▲ WARNING

THERE IS A RISK OF INJURY OR DEATH FOR THE OPERATOR OR BYSTANDERS, IF THE INSTRUCTIONS IN THE MANUAL ARE NOT OBEYED.

CAUTION

THERE IS A RISK OF DAMAGE TO THE PRODUCT, OTHER MATERIALS, OR THE ADJACENT AREA, IF THE INSTRUCTIONS IN THE MANUAL ARE NOT OBEYED.

Note: Used to give more information that is necessary in a given situation.

4.2 GENERAL PRODUCT SAFETY WARNINGS

▲ WARNING

Read all safety warnings, instructions, illustrations, and specifications provided with this product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "product" in the warnings refers to your mains-operated (corded) product or battery-operated (cordless) product.

4.3 WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate the product in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. The product creates sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating the product. Distractions can cause you to lose control.

4.4 ELECTRICAL SAFETY

- Product plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) products. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose products to rain or wet conditions. Water entering a product will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the product. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a product outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a product in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

4.5 PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a product. Do not use a product while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating products may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery, picking up or carrying the product. Carrying products with your finger on the switch or energizing products that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the product on. A wrench or a key left attached to a rotating part of the product may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the product in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- Do not let familiarity gained from frequent use of products allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

4.6 PRODUCT USE AND CARE

- Do not force the product. Use the correct product for your application. The correct product will do the job better and safer at the rate for which it was designed.
- Do not use the product if the switch does not turn it on and off. Any product that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the product before making any adjustments, changing accessories, or storing products. Such preventive safety measures reduce the risk of starting the product accidentally.
- Store idle products out of the reach of children and do not allow persons unfamiliar with the

product or these instructions to operate the product. Products are dangerous in the hands of untrained users.

- Maintain products and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the product's operation. If damaged, have the product repaired before use. Many accidents are caused by poorly maintained products.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the product, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the product for operations different from those intended could result in a hazardous situation.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations..

4.7 BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use products only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C (265°F) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

4.8 SERVICE

- Have your product serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Never service damaged batteries. Service of batteries should only be performed by the manufacturer or authorized service providers.

4.9 RECOMMENDED AMBIENT TEMPERATURE RANGE:

Item	Temperature
	32°F – 104°F
Product storage	$(0^{\circ}C - 40^{\circ}C)$
	32°F – 104°F
Product operation	$(0^{\circ}C - 40^{\circ}C)$
	39°F – 104°F
Battery charging	$(4^{\circ}C - 40^{\circ}C)$
	32°F – 104°F
Charger operation	$(0^{\circ}C - 40^{\circ}C)$
	32°F – 104°F
Battery storage	$(0^{\circ}C - 40^{\circ}C)$
	32°F – 113°F
Battery discharging	$(0^{\circ}C - 45^{\circ}C)$

4.10 SPRAYER SPECIFIC SAFETY WARNINGS

- The restarting of the sprayer after wintering; recommendations concerning precautions to be taken against contact with and/or inhalation of hazardous chemicals, e.g. the wearing of personal protective equipment, handling of spray lance or boom at each of the following stages of use:
 - · filling of the spray tank with chemicals;
 - spraying;
 - adjustments, including precautions to avoid contamination of environment, operator or bystanders, for instance in case of shortening telescopic spray lances;
 - · draining of the spray tank and cleaning;
 - · changing of chemicals;
 - servicing;
- Too high or too low pressure or unfavorable weather conditions can result in the wrong solution

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concentration. Overdosing may damage plants and the environment. Underdosing may result in unsuccessful plant treatment.

- To reduce the risk of damage to the environment and plants, do not operate the sprayer:
 - · when pressure is too high or too low
 - in windy conditions
 - · in direct sunlight
- Do not spray flammable liquids, such as gasoline, to reduce the risk of fire or explosion.
- The sprayer shall be used only with plant protection products approved by local/national regulatory authorities for plant protection products for use with knapsack sprayers. Always follow the chemical manufacturer's instructions printed on their product labeling for use, cleaning, and storage. Chemicals should be stored out of the reach of children.
- Do not spray any material where the hazard is not known.
- To reduce exposure to spray materials, wear approved safety equipment, such as face mask designed for spraying, gloves, and other appropriate protective equipment.
- Do not use flammable solvents or abrasive cleaning agents to clean the product.
- Do not leave residue or spray material in the spray tank after using the product. Clean the spray tank after each use.
- Wear full eye protection while operating the product. If you are spraying overhead, wear impermeable head covering.

4.11 SYMBOLS ON THE PRODUCT

Some of the following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Explanation
V	Voltage
A	Current
Hz	Frequency (cycles per second)
W	Power
/min	Revolutions, strokes, surface speed, orbits, etc., per minute
	Type or a characteristic of current
	Precautions that involve your safety.
?	To reduce the risk of injury, user must read and understand oper- ator's manual before using this product.

Symbol	Explanation
٢	Always wear safety goggles or safety glasses with side shields and, as necessary, a full face shield when operating this prod- uct.
	To reduce the risk of injection or injury, never direct a water stream towards people or pets or place any body part in the stream. Leak- ing hoses and fittings are also ca- pable of causing injection injury. Do not hold hoses or fittings.
	To reduce the risk of injury from kickback, hold the spray wand se- curely with both hands when the machine is on.
Ŵ	Failure to use in dry conditions and to observe safe practices can result in electric shock.
	Fuel and its vapors are explosive and can cause severe burns or death.
	Wear protective gloves.
∎⊷/Ϊ	Keep all bystanders at least 50 feet (150 m) away from the area while handling the product.
	Wear safety footwear.
R	Use Proper (PPE) Personal Pro- tective Equipment when handling chemicals.
	Wear respiratory protection.

4.12 BATTERY DISPOSAL

Greenworks Australia is a member of the B-Cycle Battery Recycling Program. Please dispose of your batteries responsibly and ethically. For more information on where to recycle your old batteries - please visit our website greenworksaustralia.com or ecobatt.net / dropoff-locations.

4.13 RISK LEVELS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYM- BOL	SIGNAL	MEANING
	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a potentially haz- ardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially haz- ardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Sym- bol) Indicates a situation that may result in property damage.

4.14 RECYCLE



Separate collection of used product and packaging let you recycle materials and use them again. Use of the recycled materials helps prevent environmental pollution and decreases the requirements for raw materials. At the end of their useful life, discard

Separate collection. You must not discard with usual household waste. If it is necessary to replace the product, or if it is no more use to you, do not discard it

with household waste.

At the end of their useful life, discard batteries with a precaution for our environment. The battery contains material that is dangerous to you and the environment. You must remove and discard these materials separately at a location that accepts lithium-ion batteries.

4.1 SAVE THESE 5 INSTRUCTIONS

5 ASSEMBLY

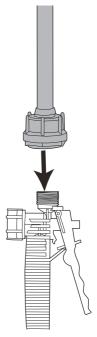
This section describes how to assemble and adjust the product.

A WARNING

CAREFULLY READ AND UNDERSTAND THE SAFETY CHAPTER AND THE ASSEMBLY INSTRUCTIONS BEFORE YOU ASSEMBLE THE PRODUCT.

5.1 INSTALL THE SPRAY WAND

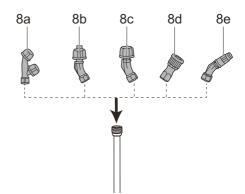
1. Attach the spray wand to the trigger handle. Tighten by hand.



5.2.1 SPRAY TIP TYPE

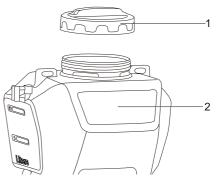
Spray tip	APPLICATION
	Double head spray tip sprays water from both tips at the same time.
	Fan spray tip creates the widest area of spraying.
	Single head spray tip provides the highest versatility.
	Four hole spray tip covers a wide area of spraying and strong pressure.
	Adjustable spray tip allows the user to adjust the tip to the desired spraying technique.

5.2.2 INSTALL THE SPRAY TIP



1. Attach a desired spray tip (8a-8e) to the spray wand. Tighten by hand.

5.3 INSTALL THE TANK LID



• Connect the tank lid (1) to the tank (2), turn clockwise until the tabs lock into place.

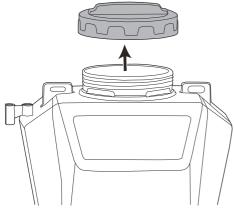
A WARNING

Do not move the sprayer by carrying the tank lid handle when the tank is full with solution! Only lift the lid handle when the tank is empty. It is recommended to wear harness to transport the sprayer.

5.4 ADD SOLUTION

1. Untighten the tank lid and remove it from the tank.





2. Pour solution into the tank.



3. Place the tank lid back onto the tank and tighten.

6 OPERATION

This section describes how to operate the product.

▲ WARNING

CAREFULLY READ AND UNDERSTAND THE SAFETY CHAPTER AND OPERATION INSTRUCTIONS BEFORE YOU OPERATE THE PRODUCT.

6.1 BEFORE YOU USE THE PRODUCT

6.1.1 CONNECT THE BATTERY CHARGER

Connect the battery charger to the proper voltage and frequency that is specified on the rating plate.

Refer to the Battery & Charger Manual for information about how to use the battery charger.

6.1.2 CHARGE THE BATTERY

Refer to the Battery Charger Operator Manual for information about how to use the battery charger.

6.1.3 BATTERY INFORMATION

Refer to the Battery Operator Manual for information about how to use the battery.

6.1.4 INSTALL THE BATTERY PACK

1. Open the battery lid.



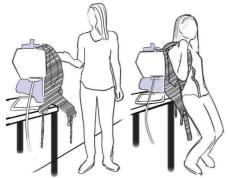
- 2. Align the lift ribs on the battery pack with the grooves in the battery compartment.
- 3. Push the battery pack into the battery compartment until the battery pack locks into place.



- 4. When you hear a click, the battery pack is installed.
- 5. Close the battery lid.

6.2 ADJUST THE HARNESS

1. Place the sprayer on an elevated surface.



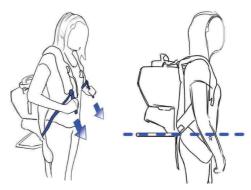
2. Fit the sprayer onto your back loosely.



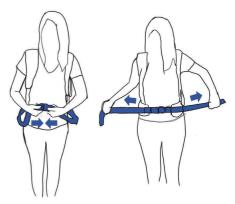
3. Adjust the upper straps.



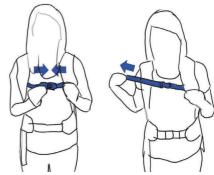
4. Adjust the lower straps to achieve proper weight distribution above your waist.



5. Tighten both sides of the waist belt until the weight of the sprayer rests on your hips.



6. Tighten the chest strap to ensure the sprayer fits snugly on your back.



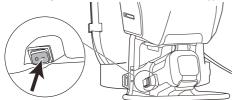
7. Make sure the back pad is tightly and safely affixed to your back.

8. The sprayer should be positioned above your waist and the tank should be close to your back.

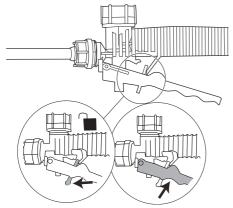


6.3 START THE MACHINE

1. Press the power switch to turn the machine ON (I).



- 2. Slide the lock-out lever backward to unlock the trigger.
- 3. Pull and hold the trigger to start the spray gun.



6.4 CHANGE THE SPRAY TIP

1. Untighten the spray tip and remove it from the spray wand.

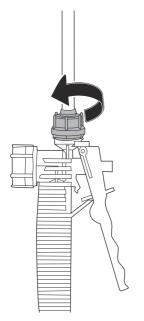


Note: Before you change the spray tip, you should:

- 1. Lock the spray gun.
- 2. Stop the machine.

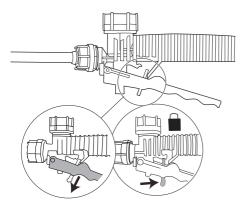
▲ WARNING

After changing the spray tip, if the angle of the spray tip is not appropriate, adjust the joint between the gun wand and the triggle handle and tighten it again.



6.5 STOP THE MACHINE

- 1. Release the trigger.
- 2. Slide the lock-out lever to lock the trigger.



Press the power switch to turn the machine OFF (O).

6.6 REMOVE THE BATTERY PACK

- 1. Open the battery lid.
- 2. Push and hold the battery release button.
- 3. Remove the battery pack from the machine.

7 MAINTENANCE

i IMPORTANT

Carefully read and understand the safety regulations and the maintenance instructions before you clean, repair, or do any maintenance on the product (Reference Safety regulations and maintenance instructions).

▲ WARNING

- Remove battery or batteries from the product before you do any maintenance.
- Failure to follow proper maintenance service, using third-party replacement parts, or modifying/ removing components can result in injury to the user.

7.1 EXAMINE THE BATTERY AND THE BATTERY CHARGER

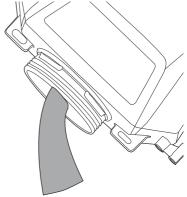
Carefully inspect the battery, battery charger, and connection cord of the battery charger for any signs of damage, such as cracks or broken parts. Replace if necessary.

7.2 CLEAN THE PRODUCT

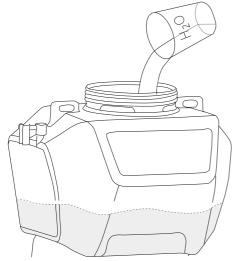
▲ WARNING

Before cleaning the sprayer or do any maintenance, make sure to release the pressure from the spray wand, to empty out any chemicals inside.

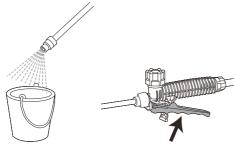
- 1. Switch off the sprayer.
- 2. Remove the battery.
- 3. Remove cap and strainer.
- 4. Drain the container in an environmentally responsible manner in a well ventilated location.



5. Fill the spray tank one-third with clean water. Reattach the tank cap.



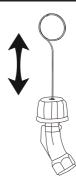
- 6. Reinstall the battery.
- 7. Turn on the product.
- 8. Squeeze the trigger to start the flow of liquid.



Spray until the tank has been completely emptied.
 Wipe the outside of the tank with a clean, dry cloth.

7.3 CLEAN THE SPRAY TIP

Clear debris from spray tips by carefully inserting a paperclip to remove any blockage.



Note: Inconsistent spraying is caused by a clogged or dirty spray tip.

7.4 CLEAN THE BATTERY AND BATTERY CHARGER

▲ WARNING

DO NOT CLEAN THE BATTERY OR THE BATTERY CHARGER WITH WATER.

- Make sure that the battery, the battery charger, and the battery compartment are all clean and dry.
- Clean the battery terminals with a soft and dry cloth.
- Clean the surface of the battery and the battery charger with a soft and dry cloth.

8 TRANSPORTATION, STORAGE AND DISPOSAL

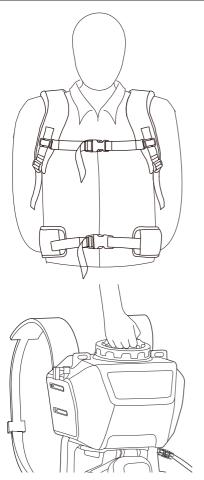
8.1 CONFIGURE FOR TRANSPORTATION OR STORAGE

- 1. Remove the battery.
- 2. Insert the spray wand (either on the side or on top) into the wand storage.



8.2 TRANSPORTATION

When transporting the sprayer :



- Carry the sprayer by the handle or as a backpack with the straps of the harness over both shoulders.
- Empty the container before transporting the sprayer in a vehicle. Ensure that the sprayer is standing upright, secured with straps, belts or a net and cannot topple over or move.

- Any removable (electronic) parts, such as the charger and battery, should always be disconnected before transport.
- Avoid transporting the product in bad weather conditions when possible.
- Make sure to adequately cover any exposed electronic parts if transportation in adverse weather conditions is unavoidable.
- Use tape on open contacts of the battery and ensure it is securely stowed to prevent movement.
- High speeds, along with wind, and rain may force moisture into the electronic components, which can lead to temporary malfunctions or permanent defects.
- In case of malfunction occurring after transport in such conditions, remove the battery and allow all parts to air-dry when you reach your destination.

8.3 STORAGE

If the product is left unused for an extended period, proper storage maintenance is required.

- Store the product in a cool, dry, and well-ventilated place that is inaccessible to children.
- Keep away from corrosive agents such as chemicals and de-icing salts.
- Do not store the product outdoors.

8.4 DISPOSAL OF THE BATTERY, BATTERY CHARGER, AND PRODUCT

Symbols on the product or the package of the product mean that the product is not domestic waste. Recycle it at a recycling station for electrical and electronic equipment. This helps to prevent damage to the environment and persons.

Greenworks Australia is a member of the B-Cycle Battery Recycling Program. Please dispose of your batteries responsibly and ethically. For more information on where to recycle your old batteries - please visit our website greenworksaustralia.com or ecobatt.net / dropoff-locations.

9 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION	
Liquid leaks.	Nut may be loose or rubber seal is cracked or damaged.	Tighten the nut and/or replace the seal and lubricate (with a silicone lubricant).	
Liquid leaks from the tank cap. Tank cap not screwed on tightly or sealing ring is cracked or damaged.		Lubricate sealing ring with a silicone lubricant, or replace if necessary. Tighten cap.	
Tank starts to collapse or change shape due to pressure build up.	Drain ports inside the tank are clogged.	 Remove cap and use a paperclip to unclog the holes. Clean the cap. 	
Low or no pressure.	Battery is out of charge.	Charge the battery to full charge.	
	Switch is in "OFF" position.	Turn switch to "ON" position	
	Nozzle is stuck.	Unscrew nozzle, and remove debris.	
Tank leaks at pump connec- tion.	Seals are damaged.	Replace damaged seals.	
Tank leaks at pump.	The hose clamp is loose.	Tighten the hose clamp.	
Tank leaks at hose connection.	Clamp is loose or damaged.	Tighten clamp or replace if damaged.	
Diaphragm is leaking.	Diaphragm is damaged.	Replace diaphragm.	
	The battery is not charged.	Charge the battery by following the procedures in the battery and charger manual.	
The product does not start.	Battery is discharged.	 Remove battery from the product. Place battery on charger and allow to charge for 10 minutes or until the changing light turns green. Remove from charger and reinstall for use. 	

10 TECHNICAL DATA

Rated voltage	60V; Cordless, battery pow- ered
Pressure	70 PSI
Rated liters per mi- nute	1.89 L/min
Maximum inlet water temperature	40 °C
Capacity	15 L
Battery model	LB602 and other BAC series
Charge model	CAC801 and other CAC series

11 WARRANTY

(The full warranty terms and conditions can be found on Greenworks website www.greenworksaustralia.com)

The Greenworks warranty is 4 years on the product, and 2 years on batteries and chargers (consumer/

private usage) from the date of purchase. This warranty covers manufacturing faults. A faulty product under warranty might be either repaired or replaced. A unit that has been misused or used in other ways then described in the owner's manual might be rejected for warranty. Normal wear, and wear parts are not considered as warranty. The original manufacturer warranty is not affected by any additional warranty offered by a dealer or retailer.

A faulty product must be returned to the point of purchase in order to claim for warranty, together with the proof of purchase (receipt).

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other resonably 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.



www.greenworksaustralia.com



