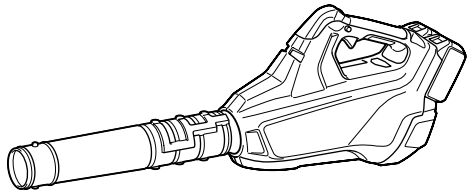




INSTRUCTION MANUAL

# Cordless Blower

DUB362



015474

**IMPORTANT:** Read Before Using.

## ENGLISH (Original instructions)

**WARNING:** This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

## SPECIFICATIONS

Model		DUB362	
Capacities	Air volume (max.)	13.4 m <sup>3</sup> /min	
	Air speed	54.0 m/s	
Overall length	(without long nozzle)	585 mm	
	(with long nozzle)	830, 880, 930 mm	
Battery cartridge		BL1815N / BL1820 / BL1820B	BL1830 / BL1840 / BL1840B / BL1850 / BL1850B
Net weight		3.5 kg	4.1 kg
Rated voltage		D.C. 36 V	

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.
- Weight, with battery cartridge, according to EPTA-Procedure 01/2003

END012-4

### Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.

-  Take particular care and attention.
-  Read instruction manual.
-  Keep a hand away from rotating parts.
-  Danger; be aware of thrown objects.
-  Keep bystanders away.
-  Wear eye and ear protection.
-  Do not expose to moisture.
-  Only for EU countries  
Do not dispose of electric equipment or battery pack together with household waste material!  
In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation

in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE018-1

### Intended use

The tool is intended for blowing dust.

ENG108-1

### Noise

The typical A-weighted noise level determined according to EN50636:

Sound pressure level ( $L_{pA}$ ) : 79.1 dB (A)

Uncertainty (K) : 1.8 dB (A)

Sound power level ( $L_{WA}$ ) : 93.5 dB (A)

Uncertainty (K) : 2.3 dB (A)

### Wear ear protection

ENG900-1

### Vibration

The vibration total value (tri-axial vector sum) determined according to EN50636:

Work mode : operation without load

Vibration emission ( $a_h$ ) : 2.5 m/s<sup>2</sup> or less

Uncertainty (K) : 1.5 m/s<sup>2</sup>

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

**⚠ WARNING:**

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

ENH021-8

**For European countries only**

**EC Declaration of Conformity**

**Makita declares that the following Machine(s):**

Designation of Machine:

Cordless Blower

Model No./ Type: DUB362

Specifications: see "SPECIFICATIONS" table.

**Conforms to the following European Directives:**

2000/14/EC, 2006/42/EC

They are manufactured in accordance with the following standard or standardized documents:

EN15503

The technical file in accordance with 2006/42/EC is available from:

Makita, Jan-Baptist Vinkstraat 2, 3070, Belgium

The conformity assessment procedure required by Directive 2000/14/EC was in Accordance with annex V.

Measured Sound Power Level: 93.5 dB (A)

Guaranteed Sound Power Level: 96 dB (A)

2.9.2014



000331

Yasushi Fukaya  
Director

Makita, Jan-Baptist Vinkstraat 2, 3070, Belgium

## BLOWER SAFETY WARNINGS

### Training

1. Read the instructions carefully. Be familiar with the controls and the proper use of the machine.
2. Never allow people children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.
3. Never operate the machine while people, especially children, or pets are nearby.
4. The operator or user is responsible for accidents or hazards occurring to other people or their property.

### Preparation

5. While operating the machine, always wear substantial footwear and long trousers.
6. Do not wear loose clothing or jewellery that can be drawn into the air inlet. Keep long hair away from the air inlets.
7. Wear protective goggles while operating.
8. To prevent dust irritation the wearing of a face mask is recommended.
9. Never operate the machine with defective guards or shields, or without safety devices, or if the battery is damaged.
10. 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.

### Operation

11. Always be sure that the machine is switched off and the battery cartridge is removed:
  - whenever you leave the machine;
  - before clearing a blockage;
  - before checking, cleaning or working on the machine;
  - after striking a foreign object to inspect the machine for damage;
  - if the machine starts to vibrate abnormally, for immediately check.
12. Operate the machine only in daylight or in good artificial light.
13. Do not overreach and keep your balance at all times.
14. Always be sure of your footing on slopes.
15. Walk, never run.
16. Do not touch moving hazardous parts before the machine is switched off and the battery cartridge is removed and the moving hazardous parts have come to a complete stop.

17. Never point the nozzle at anyone in the vicinity when using the blower.
18. Warning - Electric shock could occur if used on wet surfaces. Do not expose to rain. Store indoors. Avoid using the machine in bad weather conditions especially when there is a risk of lightning.
19. Never block suction inlet and/or blower outlet.
  - Do not block suction inlet or blower outlet to clean up in dusty areas.
  - Do not use the blower with a tapered nozzle smaller than the original one, such as a new nozzle obtained by attaching an extra diameter-reduced hose or smaller hose to the nozzle top end.
  - Do not Use the blower to inflate balls, rubber boat or the similar.

Increased motor revolution may cause dangerous fan breakage and result in serious personal injury. Heated motor and control circuit may cause a fire.

20. Do not operate the blower near open window, etc.
21. Operating the blower only at reasonable hours is recommended - not early in the morning or late at night when people might be disturbed.
22. To reduce damage from vibration and/or damage to the ears, operate the machine at low speed if possible and limit the time of operation.
23. Using rakes and brooms to loosen debris before blowing is recommended.
24. It is recommended to slightly dampen surfaces in dusty conditions or use mister attachment available on the market.
25. It is recommended to use the long nozzle so the air stream can work close to the ground.
26. Young children should be supervised to ensure that they do not play with the blower.
27. Do not insert fingers or other objects into suction inlet or blower outlet.
28. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying machines with your finger on the switch or energising machines that have the switch on invites accidents.
29. Make sure that there are nobody around you when you work at high places.

#### **Maintenance and storage**

30. Keep all nuts, bolts and screws tight to be sure the machine is in safe working condition.
31. Replace worn or damaged parts.
32. Use only genuine replacement parts and accessories.
33. Store the machine only in a dry place.

#### **Battery tool use and care**

34. 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.
35. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
36. 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.
37. 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.

## **SAVE THESE INSTRUCTIONS.**

### **⚠WARNING:**

**DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.**

ENC007-9

## **IMPORTANT SAFETY INSTRUCTIONS**

### **FOR BATTERY CARTRIDGE**

1. **Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.**
2. **Do not disassemble battery cartridge.**
3. **If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.**
4. **If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.**
5. **Do not short the battery cartridge:**
  - (1) **Do not touch the terminals with any conductive material.**
  - (2) **Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.**

- (3) Do not expose battery cartridge to water or rain.

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.

- Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 ° C (122 ° F).
- Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
- Be careful not to drop or strike battery.
- Do not use a damaged battery.
- Follow your local regulations relating to disposal of battery.

## SAVE THESE INSTRUCTIONS.

### Tips for maintaining maximum battery life

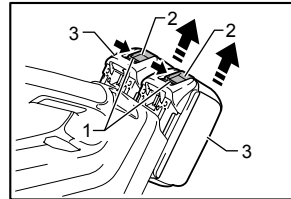
- Charge the battery cartridge before completely discharged.**  
Always stop tool operation and charge the battery cartridge when you notice less tool power.
- Never recharge a fully charged battery cartridge.**  
Overcharging shortens the battery service life.
- Charge the battery cartridge with room temperature at 10 ° C - 40 ° C (50 ° F - 104 ° F).**  
Let a hot battery cartridge cool down before charging it.
- Charge the battery cartridge if you do not use it for a long period (more than six months).**

## FUNCTIONAL DESCRIPTION

### ⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

### Installing or removing battery cartridge



- Red indicator
- Button
- Battery cartridge

015475

### ⚠CAUTION:

- Always switch off the tool before installing or removing of the battery cartridge.
- Hold the tool and the battery cartridge firmly when installing or removing battery cartridge.** Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.

To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, it is not locked completely.

### ⚠CAUTION:

- Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

### NOTE:

- The tool does not work with only one battery cartridge.

### Tool / battery protection system

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life.

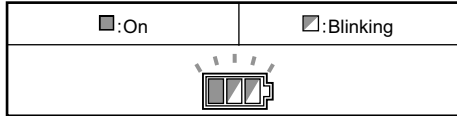
The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions. In some conditions, the indicators light up.

#### Overload protection

When the tool is operated in a manner that causes it to draw an abnormally high current, the tool automatically

stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

### Overheat protection for tool



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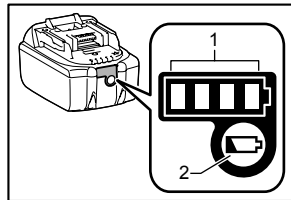
When the tool is overheated, the tool stops automatically, the battery indicator blink about 60 seconds. In this situation, let the tool cool down before turning the tool on again.

### Overdischarge protection

When the battery capacity becomes low, the tool stops automatically. If the product does not operate even when the switches are operated, remove the batteries from the tool and charge the batteries.

### Indicating the remaining battery capacity

(Only for battery cartridges with "B" at the end of the model number.)



1. Indicator lamps
2. Check button

015676

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light up for few seconds.

Indicator lamps			Remaining capacity
Lighted	Off	Blinking	
			75% to 100%
			50% to 75%
			25% to 50%
			0% to 25%
			Charge the battery.
			The battery may have malfunctioned.

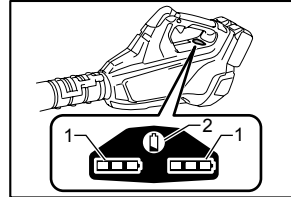
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### NOTE:

- Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

### Remaining battery capacity indication

(Country specific)



1. Battery indicator
2. Check button

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Press the check button to make the battery indicators show the remaining battery capacities. The battery indicators correspond to each battery.

### Remaining battery capacity indication

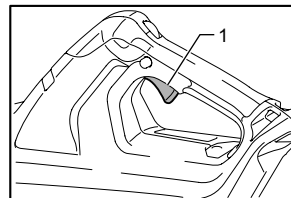
Battery indicator status	Remaining battery capacity
<input checked="" type="checkbox"/> :On <input type="checkbox"/> :Off <input checked="" type="checkbox"/> :Blinking	
	50% - 100%
	20% - 50%
	0% - 20%
	Charge the battery

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### Switch action

#### ⚠CAUTION:

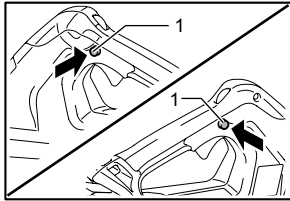
- Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.



1. Switch trigger

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To start the tool, simply pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

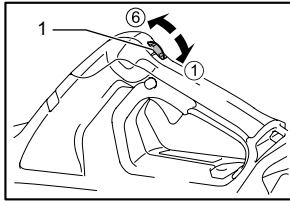


1. Lock button

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For continuous operation, pull the switch trigger, push in the lock button and then release the switch trigger. To stop the tool from the locked position, pull the switch trigger fully, then release it.

### Speed change



1. Adjusting dial

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The maximum air volume can be adjusted just by turning the adjusting dial. This can be done even while the tool is running. The dial is marked 1 (lowest) to 6 (highest).

#### NOTICE:

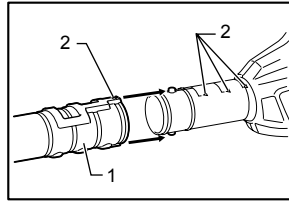
The speed adjusting dial can be turned only as far as 6 and back to 1. Do not force it past 6 or 1, or the speed adjusting function may no longer work. When working in a high temperature circumstance, the tool may be stopped because of the overheat protection system. In that case let the tool cool down. Avoid setting to speed 6 (highest) in high temperature circumstances.

## ASSEMBLY

### ⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

### Installing the long nozzle

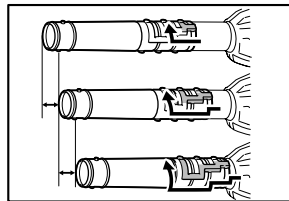


1. Long nozzle
2. Triangle marking

015480

To install the long nozzle:

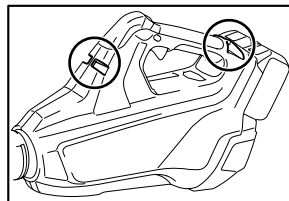
1. Align the small projection of the housing with the groove of the long nozzle.
2. Slide in the long nozzle, and turn it clockwise until the triangle markings on the long nozzle and the housing meet each other.



015481

The length of the nozzle can be adjusted by changing the locking position.

### Installing the shoulder strap (optional accessory)

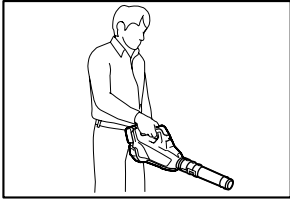


015482

Hook the shoulder strap onto the hanger of the tool. Before use, adjust the length of strap so that it is easy to work with it.

## OPERATION

### Blowing



015484

#### **⚠CAUTION:**

- Do not place the blower on the ground while it is switched on. Sand or dust may enter from suction inlet, and they may result in personal injury.

Hold the blower firmly with a hand and perform the blowing operation by moving it around slowly.

When blowing around a building, a big stone or a vehicle, direct the nozzle away from them.

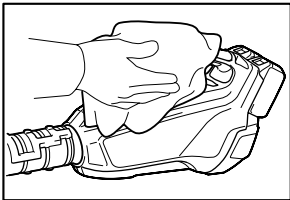
When performing an operation in corner, start from the corner and then move to wide area.

## MAINTENANCE

#### **⚠CAUTION:**

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

### Cleaning



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From time to time, wipe off the outside of the tool using a cloth dampened in soapy water.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

## OPTIONAL ACCESSORIES

#### **⚠CAUTION:**

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Makita genuine battery and charger
- Shoulder belt

#### **NOTE:**

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.









**Makita** Jan-Baptist Vinkstraat 2, 3070, Belgium  
**Makita Corporation** Anjo, Aichi, Japan