

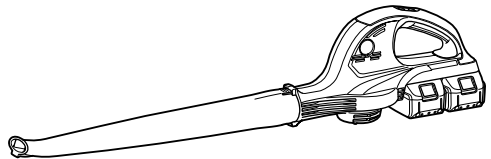


ENGLISH (Original Instructions)

INSTRUCTION MANUAL

Cordless Blower

DUB361



014602

IMPORTANT: Read Before Using.

ENGLISH (Original instructions)

SPECIFICATIONS

Model		DUB361
Capacities	Air volume (HIGH)	4.4 m ³ /min
	Air volume (LOW)	2.6 m ³ /min
No load speed (min ⁻¹)	HIGH	17,000
	LOW	10,000
Overall length	(without long nozzle)	420 mm
	(with long nozzle)	905 mm
Net weight		3.1 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

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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.

Intended use

The tool is intended for blowing dust.

ENG102-3

Noise

The typical A-weighted noise level determined according to EN15503:

Sound pressure level (L_{pA}) : 82.3 dB (A)

Sound power level (L_{WA}) : 94.7 dB (A)

Uncertainty (K) : 1.6 dB (A)

Wear ear protection

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN15503:

Work mode : operation without load

Vibration emission (a_h) : 2.5 m/s² or less

Uncertainty (K) : 1.5 m/s²

ENG901-1

- 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).

For European countries only**EC Declaration of Conformity**

We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine:
Cordless Blower
Model No./ Type: DUB361
Specifications: see "SPECIFICATIONS" table.

are of series production and

Conforms to the following European Directives:

2000/14/EC, 2006/42/EC

And are manufactured in accordance with the following standards or standardised documents:

EN15503

The technical documentation is kept by:

Makita International Europe Ltd.
Technical Department,
Michigan Drive, Tongwell,
Milton Keynes, Bucks MK15 8JD, England

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

Measured Sound Power Level: 94.7 dB (A)

Guaranteed Sound Power Level: 96 dB (A)

22.7.2013



Tomoyasu Kato
Director

Makita Corporation
3-11-8, Sumiyoshi-cho,
Anjo, Aichi, 446-8502, JAPAN

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ENB116-5

BLOWER SAFETY WARNINGS

1. Always use protective goggles, a cap and mask when using the blower.
2. Never point the nozzle at anyone in the vicinity when using the blower.
3. Warning - Electric shock could occur if used on wet surfaces. Do not expose to rain. Store indoors.
4. 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.

5. Keep children, other bystanders and pets away from the blower while operating.
6. Do not operate the blower near open window, etc.
7. Operating the blower only at reasonable hours is recommended - not early in the morning or late at night when people might be disturbed.
8. Using rakes and brooms to loosen debris before blowing is recommended.
9. It is recommended to slightly dampen surfaces in dusty conditions or use mister attachment available on the market.
10. It is recommended to use the long nozzle so the air stream can work close to the ground.
11. The blower is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
12. Young children should be supervised to ensure that they do not play with the blower.
13. Do not insert fingers or other objects into suction inlet or blower outlet.

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.

ENC007-8

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.

6. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 ° C (122 ° F).
7. 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.
8. Be careful not to drop or strike battery.
9. Do not use a damaged battery.
10. Follow your local regulations relating to disposal of battery.

SAVE THESE INSTRUCTIONS.

Tips for maintaining maximum battery life

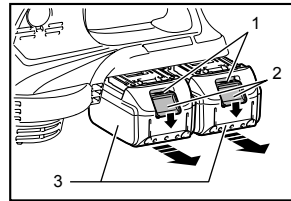
1. Charge the battery cartridge before completely discharged.
Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge.
Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature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

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



1. Red indicator
2. Button
3. Battery cartridge

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⚠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 are placed under one of the following conditions. In some conditions, the indicators light up.

Overload protection

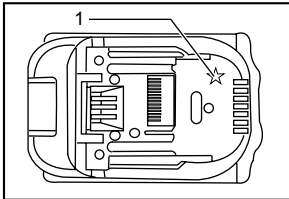
When the tool is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat protection for battery

When the battery is overheated, the tool stops automatically without any indication. The tool does not start even if pressing the switch button. In this situation, let the battery cool before turning the tool on again.

NOTE:

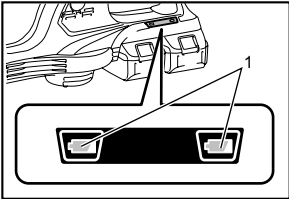
The battery overheat protection works only with a battery cartridge with a star marking.



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1. Star marking

Overdischarge protection

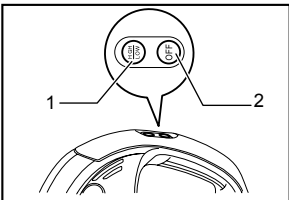


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1. Battery indicator

When the remaining battery capacity gets low, the battery indicator blinks on the applicable battery side. By further use, the tool stops and the battery indicator lights up about 10 seconds. In this situation, charge the battery cartridge.

Switch action



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1. HIGH/LOW button
2. OFF button

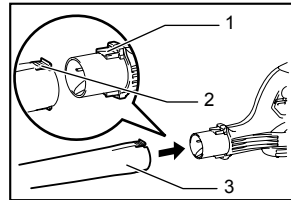
To start the tool, simply press the "HIGH/LOW" button. To switch off, press the "OFF" button. To change the tool speed, press the "HIGH/LOW" button. The first press on this button is for high speed and the second press for low speed and then each press on this button repeats the high/low speed cycle alternatively.

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.

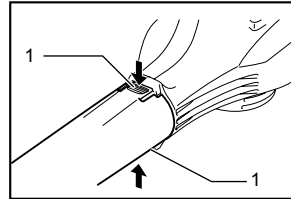
Installing or removing the long nozzle



1. Hook
2. Button
3. Long nozzle

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To install the long nozzle, push in onto the blower outlet of the tool all the way.

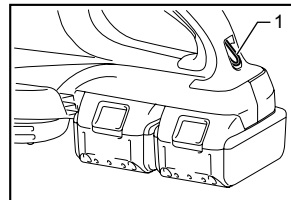


1. Button

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To remove the long nozzle, press its both buttons and with the buttons being pressed pull it out.

Installing the shoulder strap



1. Hanger

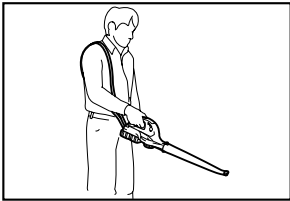
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Pull the hanger out of the tool.

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



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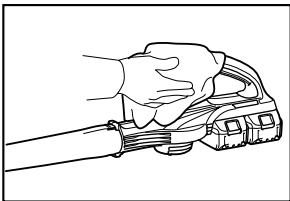
Hold the blower firmly with a hand and perform the blowing operation by moving it around slowly. When blowing around a building, a big stone or a vehicle, direct the nozzle away from them. When performing an operation in corner, start from the corner and then move to wide area.

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.

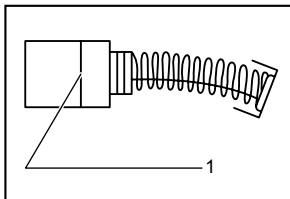
Cleaning



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

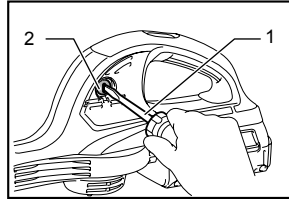
Replacing carbon brushes



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1. Limit mark

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



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1. Screwdriver
2. Brush holder cap

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps. 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

NOTE:

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

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