metabo®

PROFESSIONAL POWER TOOL SOLUTIONS

BP 18 LTX BL

www.metabo.com

A


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9
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metabo
BP 18 LTX BL
BRUSHLESS
CAS
2.0Ah

B


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metabo
BP 18 LTX BL
CAS
2.0Ah

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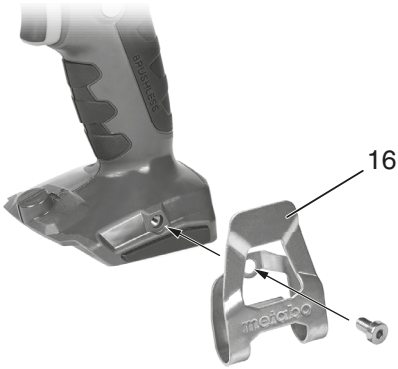
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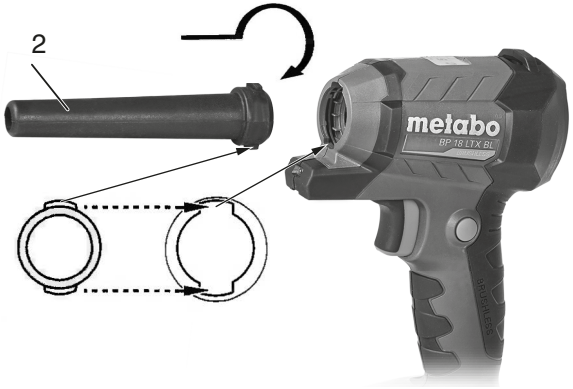
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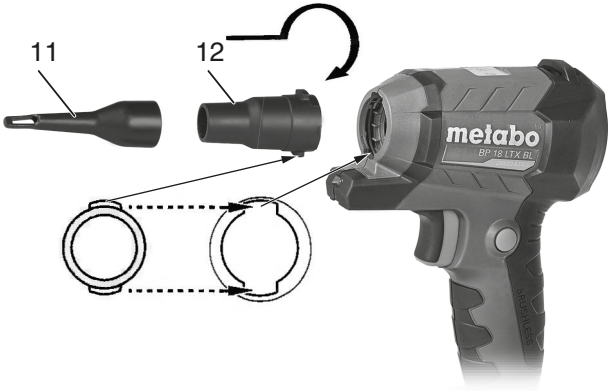
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BP 18 LTX BL

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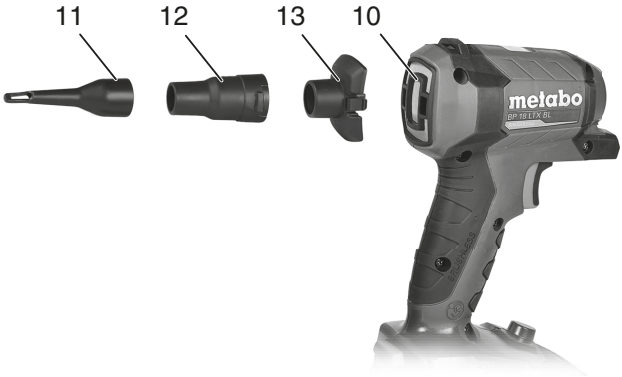
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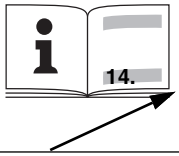 14.		**BP 18 LTX BL**
*1) **Serial Number**		00798..
U	**V**	18
n_0	**min^{-1} (rpm)**	89000
$Air_{M, max}$	**m^3/min**	0,7
$Air_{V, max}$	**m/s**	122
m	**kg (lbs)**	0,8 (1,8)
a_h/K_h	**m/s^2**	< 2,5 / 1,5
L_{pA}/K_{pA}	**dB(A)**	80 / 3
L_{WA}/K_{WA}	**dB(A)**	88 / 1,5
$L_{WA(G)}/K_{WA(G)}$	**dB(A)**	89 / 1,5

CE *2) 2014/30/EU, 2006/42/EC, 2011/65/EU
*3) EN 62841-1:2015, EN ISO 12100:2010, EN IEC 63000:2018

2023-12-07, Bernd Fleischmann
Direktor Produktentstehung & Qualität (Vice President Product Engineering & Quality)
*4) Metabowerke GmbH - Metabo-Allee 1 - 72622 Nuertingen, Germany

Original instructions

1. Declaration of Conformity

We hereby declare under our sole responsibility that these cordless blow guns, identified by type and serial number *1), meet all relevant requirements of directives *2) and standards *3). Technical documents for *4) - see page 4.

For UK only:

UK CA We as manufacturer and authorized person to compile the technical file, see *4) on page 3, hereby declare under sole responsibility that these cordless leaf blowers, identified by type and serial number *1) on page 4, fulfil all relevant provisions of following UK Regulations S.I. 2016/1091,S.I. 2008/1597, S.I. 2012/3032 and Designated Standards *3)

2. Specified Conditions of Use

The cordless blow gun is intended for

- blowing away chips, dirt etc. from materials and tools.
- Blowing out of tight spaces and gaps.
- Inflating/deflating of swim rings, air mattresses and similar inflatable objects.

The user bears sole responsibility for any damage caused by inappropriate use.

Generally accepted accident prevention regulations and the safety instructions must be observed.

3. General Safety Information

For your own protection and for the protection of your power tool, pay attention to all parts of the text that are marked with this symbol!

WARNING – Read the operating instructions to reduce the risk of injury.

WARNING – Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *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. Always include these documents when passing on your power tool.

Residual risks: Even when the tool is used as intended, there could be residual risks. Observe all safety warnings and instructions.

4. Special Safety Instructions

4.1 Operating instructions

- Do not put your hands or feet anywhere near the blower nozzle or the air intake. Failure to do so could result in injuries.
- Always hold the tool firmly while working. Failure to do so could result in accidents or injuries.
- Wear protective goggles and a dust mask when working. Flying foreign bodies could enter eyes or nose.
- When cleaning electric conductors, such as a switchboard, ensure sufficient clearance between the conductor and the power tool. Attach the nozzle for cleaning. If the nozzle is not attached when cleaning the conductor, this may lead to an electric shock.
- The blowing nozzle and/or the air intake must not be blocked. No dust must collect in the air intake. Blocking the air outlet or air intake causes the motor to rotate at an abnormal speed, damaging the fan in the power tool and causing the motor to overheat.
- Do not use the product where it is likely to attract water or sand.
- Do not use the tool in areas where flammable substances such as varnish, paint, benzene, thinner or petrol are present.
- Do not use the tool near anything that produces a lot of heat, such as a stove or oven. Do not blow into glowing ovens. Do not use the tool to extinguish or fan flames. Use near such objects may result in fire.
- Do not blow on sharp objects like glass fragments, blades, nails, screws, gravel and so on.

Stop use immediately and turn off the tool if it produces abnormally high temperatures, malfunctions or makes unusual noises. In this case, the service centre will need to inspect and repair if necessary. Injury may result from continued use during abnormal operation.

See Section 12. Repairs!

- Carefully inspect the tool for cracks, breaks, deformation, etc. if it is accidentally dropped or knocked. Injury may result from cracks, fractures or deformation.
- No nails or other objects may be inserted into the blow nozzle.
- The air intake function of this product is for emptying objects only. It may only be used for vacuuming objects like with a vacuum cleaner.
- When deflating swim rings, inflatable boats etc. no residual water must be sucked in. If water, sand, etc. should inadvertently get into the engine, this may result in a malfunction.
- Never let the tool run without supervision!
- Never let the tool run without supervision, until it has come to a complete stop.
- When operating the tool at height, ensure that no one is underneath.
- Avoid raising dust.
- Never direct the tool on people or animals. The machine blows small objects at high speed and can cause injury.

- Ensure safe stand when using the tool!
- It is important that heavy blows to the tool and moisture are avoided. Any of these options could damage the precision parts installed and lead to malfunctions.
- All objects in the vicinity of the machine that could cause injury or an accident must be removed before putting the machine into operation.
- Do not look into the blowing nozzle during operation.
- Keep the air intake away from the body to avoid sucking in any work clothing. Immediately switch off the tool and remove the battery pack if foreign matter gets into the air intake and interrupts the air flow. Only then pull out the foreign matter.
- Continuous use of this tool may cause it to overheat and damage the motor and switch. In the event of overheating, switch off and leave to cool.
- Check if the battery is firmly and safely in place. A battery pack that is inserted too loosely can fall out and is therefore a potential hazard.
- Do not use the tool, if the tool or the battery pack connections (battery pack holder) are deformed. Inserting the battery pack may cause a short circuit, resulting in smoke or ignition.
- Keep the connections on the tool (the battery holder) free of chips and dust. Before using, ensure that no chips or dust have accumulated around the terminals.
- During use, make sure that chips or dust do not fall from the tool onto the battery pack. Do not leave the tool in an area where it may be exposed to falling chips or dust during a break or after it has been used. This may cause a short circuit, resulting in smoke or ignition.
- Carefully read the operating instructions. Familiarise yourself with the controls and the proper use of the machine.
- Do not allow children, persons with reduced physical, sensory or mental abilities or lack of experience and/or knowledge, or persons not familiar with these instructions to use this machine. Local regulations may limit the age of the operator.
- Children should be supervised to ensure that they do not play with the tool.
- The user is responsible for injuries or material damage to other persons or their property.

WARNING – Always wear protective goggles.


Protect the tool from water and moisture. Do not expose to rain.


Ensure that nobody gets injured by catapulted foreign bodies. Keep other people away.


Keep persons nearby and pets at a safe distance to the tool. Keep other people away.

Always keep suction port and exhaust port free, do not cover, block or do not put anything inside.

4.2 Safety instructions for the use of battery packs

Remove battery pack from machine, before any adjustment or maintenance is carried out.

Before fitting the battery pack, make sure that the machine is switched off.


CAUTION Do not stare at operating lamp.


Protect battery packs from water and moisture!


Do not expose battery packs to fire!

Do not use faulty or deformed battery packs!
Do not open battery packs!
Do not touch or short circuit battery pack contacts!


A slightly acidic, flammable fluid may leak from defective Li-Ion battery packs!


If battery fluid leaks out and comes into contact with your skin, rinse immediately with plenty of water. If battery fluid leaks out and comes into contact with your eyes, wash them with clean water and seek medical attention immediately!

If the machine is defective, remove the battery pack from the machine.

Always wear protective goggles, work gloves and sturdy shoes when working with this tool.

Wear ear protectors when working for long periods of time. High noise levels over a prolonged period of time may affect your hearing.

Materials that generate dusts or vapours that may be harmful to health (e.g. asbestos) must not be processed.

Remove the battery pack from the machine when not in use.

Reducing dust exposure:

WARNING - Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
- Lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

This also applies to dust from other materials, such as some timber types (like oak or beech dust), metals, asbestos. Other known diseases are e.g.

allergic reactions, respiratory diseases. Do not let dust enter the body.

Observe the relevant guidelines and national regulations for your material, staff, application and place of application (e.g. occupational health and safety regulations, disposal).

Collect the particles generated at the source, avoid deposits in the surrounding area.

Use suitable accessories for special work. In this way, fewer particles enter the environment in an uncontrolled manner.

Use a suitable extraction unit.

Reduce dust exposure with the following measures:
- do not direct the escaping particles and the exhaust air stream towards yourself or nearby persons or towards dust deposits,
- use an extraction unit and/or an air purifier,
- ensure good ventilation of the workplace and keep it clean using a vacuum cleaner. Sweeping or blowing stirs up dust.
- Vacuum or wash protective clothing. Do not blow, beat or brush protective gear.

Transport of Li-Ion battery packs:

The shipping of Li-Ion battery packs is subject to laws related to the carriage of hazardous goods (UN 3480 and UN 3481). Inform yourself of the currently valid specifications when shipping Li-Ion battery packs. If necessary, consult your freight forwarder. Certified packaging is available from Metabo.

Only send the battery pack if the housing is intact and no fluid is leaking. Remove the battery pack from the machine for sending. Prevent the contacts from short-circuiting (e.g. by protecting them with adhesive tape).

4.3 Icons

WARNING – General hazards!

Read the operating instructions.

5. Overview

See page 2.

1 Blowing nozzle
2 Air fan nozzle
3 LED light
4 Trigger (Vario)
5 Battery pack *
6 Continuous operation
7 Handle
8 Thread for belt hook*
9 Battery pack release button *
10 Air inlet/filter
11 nozzle B
12 nozzle A
13 Suction nozzle
14 Capacity and signal indicator *
15 Capacity indicator button *
16 Belt hook *

* depending on equipment/not in scope of delivery

6. Initial Operation

6.1 Preparation

Prior to any conversion work: remove battery pack from machine.

- Before use, check that the tool and battery pack are undamaged and assembled correctly. Defective parts must be repaired. Damaged or illegible markings must be replaced.
- No persons may be in the direction of the air flow.
- There must be no loose objects in the area that would cause a problem if they were blown into the air.
- Plug in the charged battery pack.

6.2 Battery pack

Charge the battery pack (5) before use. Recharge the battery pack if performance diminishes.

Instructions on charging the battery pack can be found in the operating instructions of the Metabo charger.

In case of Li-Ion battery packs with capacity and signal display (14) (equipment-specific):
- Press the button (15), the LEDs indicate the charge level.
- The battery pack is almost empty and must be recharged if one LED is flashing.

Remove battery pack, inserting see fig. A p. 2

Remove: Press the battery pack release button (9) and remove battery pack (5).

To insert: Slide the battery pack (5) in until it engages.

7. Assembly and use

7.1 Deflating or inflating
see fig.D/E p. 3

7.2 Emptying
See fig.B p. 2

7.3 Attaching a belt hook (16)
See fig. C p. 2

Since there is a thread on both sides of the tool, the belt hook can be mounted on both sides of the tool.

7.4 Fitting the air fan nozzle (2)
see fig.D p. 3

7.5 Inflating
Attaching nozzles A (12) and B (11)
see fig. E p.3/ chapter 8.4

7.6 Emptying
Attaching nozzles A (12) and B (11)
see fig. F p. 3

7.7 Storage of the air fan nozzle
See fig.B p. 2

8. Use

8.1 Switching on and off
⚠ Avoid switching on the machine accidentally: always switch it off when the battery pack is removed from the machine.

8.2 General operation
- Use the machine only in daylight or good artificial light.
- Never direct the air jet at yourself or other people.
- Care should be taken to avoid objects being thrown back when blowing into confined spaces or against the wind.
- If the air intake is close to the floor or close to objects that can easily be sucked in, do not turn on the switch. Dust and dirt can block the air intake and be a cause of malfunction.
- Keep hands, other body parts or clothing away from the suction port and exhaust opening and do not bring them near moving parts.
- Keep the battery pack clean to prevent damage or possible fire.
- Switch off the machine and remove battery pack. Ensure that all moving parts have come to a standstill when the tool is unattended.
- This tool emits warm air due to its structure, but this is not a malfunction.

Always carry the tool from the handle. Especially, do not carry and lift it from the air fan nozzle. The nozzle could come off and fall or break.

8.3 Air regulation
This tool is equipped with a vario switch (4). The air volume depends on the pressure exerted onto the switch and can thus be regulated.

8.4 Continuous operation
This product is equipped with a continuous operation function that is suitable for inflating/ deflating and for cleaning open areas.

If the switch is set to maximum, (4) the trigger can be locked at 100% airflow by pressing the button (6), thus activating continuous operation.

8.5 Inflating objects
- In order to avoid excessive inflating, check the condition during the inflating process. There is a risk of breakage or damage.
- Depending on the object to be inflated, it may not be sufficiently filled with air. If the inflation pressure is too low, use a manual pump to adjust the tension.
- Do not forcefully knock the tip of nozzle B (11) against the floor or other surfaces. This may lead to deformation of the tip.

Nozzle A (12)
- For large objects, such as air mattresses, insert nozzle A (12) into the valve.

Nozzle A (12) **& nozzle B** (11)
- For small objects such as water balls or swim rings, insert the tip of nozzle B (11) first into the valve and then insert nozzle A (12). **(Fig. E p. 4)**

To create space inside the object to be inflated, pull on both the side of the valve and the back of the material.

The blowing nozzle is facing the working direction. Therefore, always use the tool in such a way that it does not blow directly onto your face or body.

9. Cleaning, Maintenance

Before performing any maintenance, always switch (4) off the tool and remove the batter pack (5).

All fastening screws are regularly inspected and checked to ensure that they are properly tightened. If any of the screws become loose, tighten them again immediately. Failure to do so may pose a serious hazard.

Check the connections of the unit and battery pack (occasionally before, during and after use) to ensure that no chips or dust have accumulated. Remove any chips and dust that have accumulated. Failure to do so could result in malfunctions.

Before each use, check that all moving parts are functioning correctly and do not seize, make sure that no parts are broken or damaged to an extent where they affect the function of the machine. Have damaged parts repaired before using the machine.

Exterior cleaning

If the tool is dirty, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chlorine solvent, petrol or paint thinner as these soften plastics.

Checking the air intake (fig. B/F)

Air flow may be reduced or the air may be hotter than normal if the air intake is clogged with dust or dirt.

Check that the air intake is not blocked by dust or dirt and that the filter is intact before and after use.

If there is a blockage, remove the dirt with a soft brush or vacuum cleaner so that the dirt does not enter the tool.

Remove the **battery pack** periodically and wipe the contact area of the battery pack and machine with a dry cloth and remove dust.

Do not press forcefully onto the filter and do not rub it.

This can damage the filter and cause the tool to malfunction. After cleaning, blow air into a direction where there are no persons, animals or objects. Any dust remaining on the inside is expelled from the blowing nozzle. If the situation does not improve after cleaning the air intake or if the filter is damaged, contact Metabo Service.

Never service damaged battery packs. Any service of battery packs should only be performed by the manufacturer or authorized service providers.

10. Storage

Allow to cool before storage. Remove the battery pack from the machine for storage. Store in a dry place out of the reach of children.

11. Accessories

Use only original Metabo or CAS (Cordless Alliance System) battery packs and accessories.

Use only accessories that fulfil the requirements and specifications listed in these operating instructions.

A Battery packs with different capacities. Buy battery packs only with voltage suitable for your power tool.
Order no.: 625367000 4.0 Ah (LiHD)
Order no.: 625368000 5.5 Ah (LiHD)
Order no.: 625369000 8.0 Ah (LiHD)
etc.
Order no.: 625596000 2.0 Ah (Li-Ion)
Order no.: 625591000 4.0 Ah (Li-Ion)
Order no.: 625592000 5.2 Ah (Li-Ion)
etc.

B Chargers: ASC 55, ASC 145, etc.

See www.metabo.com or the catalogue for a complete range of accessories.

12. Maintenance and servicing

Repairs to electrical tools must only be carried out by qualified electricians and only with original spare parts!

Contact your local Metabo representative if you have Metabo power tools requiring repairs. For addresses see www.metabo.com.

Remove the battery pack from the tool, wait until all moving parts have come to a standstill and the tool has cooled down before making any adjustments, retrofitting, maintenance, cleaning or before storing the tool.

Always maintain the tool with care and keep clean.

Replace worn or damaged parts for safety reasons. Use only original spare parts and accessories.

You can download a list of spare parts from www.metabo.com.

13. Environmental Protection

Observe national regulations on environmentally compatible disposal and on the recycling of disused machines, packaging and accessories.

Packaging materials must be disposed of according to their labelling in accordance with municipal guidelines. Further information can be found at www.metabo.com in the “Service” section.

Battery packs may not be disposed of with regular waste. Return faulty or used battery packs to your Metabo dealer!

Do not allow battery packs to come into contact with water!

Only for EU countries: never dispose of power tools in your household waste! According to European Directive 2012/19/EU on Waste from Electric and Electronic Equipment and implementation in national law, used power tools must be collected separately and recycled in an environmentally-friendly manner.
Discharge the battery pack in the power tool before disposal. Prevent the contacts from short-circuiting (e.g. by protecting them with adhesive tape).

14. Technical Specifications

Explanatory notes regarding the specifications on page 3.

Subject to change in accordance with technical progress.

U = Battery pack voltage
n_0 = Idle speed
$Air_{M;max}$ = Max. air volume
$Air_{V;max}$ = Max. air speed
m = Weight with smallest battery pack

Measured values determined in conformity with EN 62841.

Permitted ambient temperature during operation: -20 °C (-4°F) to 50 °C (120°F) (limited performance with temperatures below 0 °C (32°F)). Permitted ambient temperature for storage: 0 °C to 30 °C

⎓ direct current

The technical specifications quoted are subject to tolerances (in compliance with relevant valid standards).

Emission values
These values make it possible to assess the emissions from the power tool and to compare different power tools. The actual load may be higher or lower depending on operating conditions, the condition of the power tool or the accessories used. Please allow for breaks and periods when the load is lower for assessment purposes. Arrange protective measures for the user, such as organisational measures based on the adjusted estimates.

Vibration total value (vector sum of three directions) determined in accordance with EN 62841:

a_h = vibration emission value
K_h = uncertainty (vibration)

Typical A-effective perceived sound levels:
L_{pA} = Sound pressure level
L_{WA} = Acoustic power level
K_{pA}, $K_{WA/WA(G)}$= uncertainty
$L_{WA(G)}$ = guaranteed acoustic power level

The noise level can exceed 80 dB(A) during operation.

Wear ear protectors!