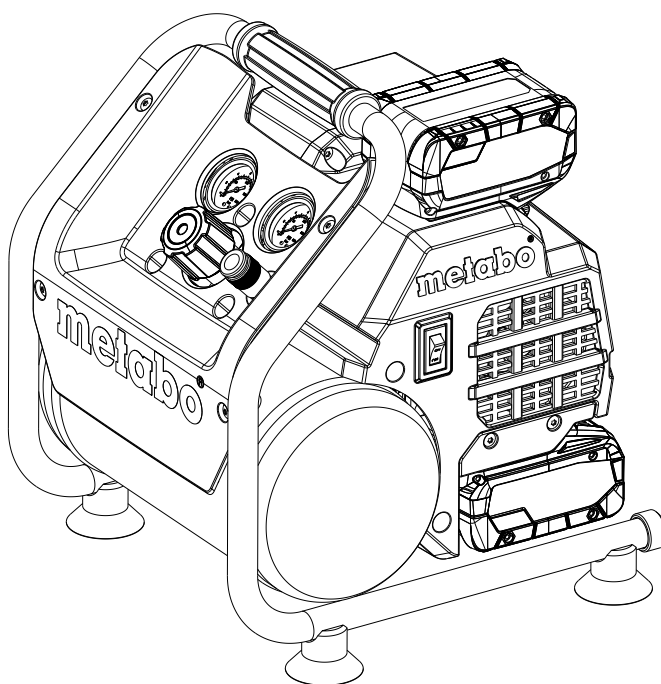
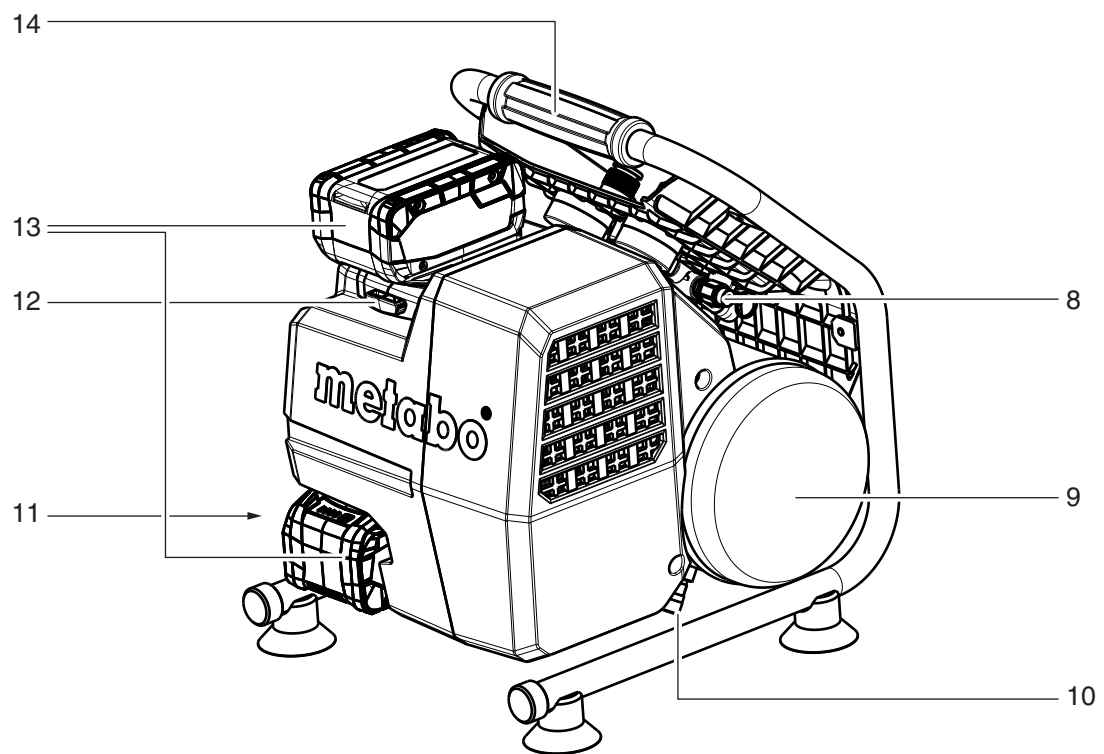
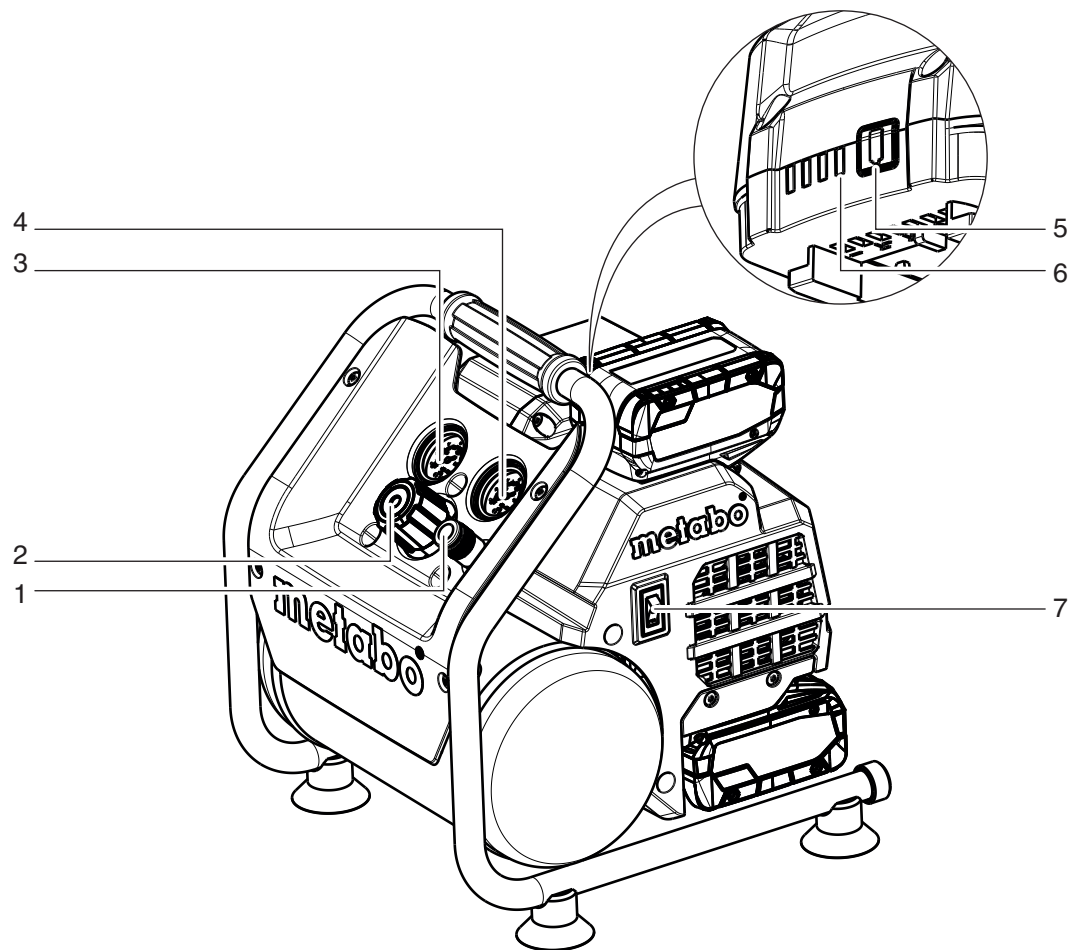



Power 160-5 18 LTX BL OF



de Originalbetriebsanleitung 4
en Original instructions 8
fr Notice originale 11
nl Oorspronkelijke gebruiksaanwijzing 15
it Istruzioni originali 19
es Manual original 23
pt Manual original 27
sv Bruksanvisning i original 31

fi Alkuperäiset ohjeet 34
no Original bruksanvisning 38
da Original brugsanvisning 41
pl Instrukcja oryginalna 45
el Πρωτότυπες οδηγίες λειτουργίας 49
hu Eredeti használati utasítás 53
ru Оригинальное руководство по эксплуатации 57
uk Оригінальна інструкція з експлуатації 61



		Power 160-5 18 LTX BL OF	
*1) Serial Number		01521..	
A	l/min (cfm)	120 (4.2)	
F	l/min (cfm)	70 (2.5)	
L_{eff}	l/min (cfm)	60 (2.1)	
p	bar (psi)	8 (116)	
V	l (gal)	5 (1.3)	
a	-	1	
z	-	1	
n₀	/min, rpm	2760	
U	V	18	
IP	-	IP 20	
A	mm (in)	340 x 315 x 380 (13 ³ / ₈ x 12 ¹³ / ₃₂ x 15)	
T_{max}	°C	+40	
T_{min}	°C	+5	
T_{B, Akku}	°C	+5 ... +50	
T_{L, Akku}	°C	0 ... +30	
m	kg (lbs)	9,9 (21.8)	
(L_{pA}/K_{pA})	dB(A)	69,4 / 2,31	
*5) L_{WA}/K_{WA}	dB(A)	89,4 / 2,31	
*5) L_{WA(G)}/K_{WA(G)}	dB(A)	92	



*2) 2011/65/EU, 2006/42/EC, 2014/30/EU, 2000/14/EC(2005/88/EC)

*3) EN 1012-1:2010; EN 60204-1:2006+A1:2009; EN ISO 12100:2010; EN 50581:2012

*4) TÜV SÜD Industrie Service GmbH, Westendstrasse 199, 80686 Munich;
Country: Germany; number: 0036

2018-11-21, Bernd Fleischmann *ppa. B.F.*
Direktor Produktentstehung & Qualität (Vice President Product Engineering & Quality)
*6) Metabowerke GmbH - Metabo-Allee 1 - 72622 Nuertingen, Germany

Original instructions

Table of Contents

1. Declaration of Conformity
2. Specified Conditions of Use
3. General Safety Instructions
4. Special Safety Instructions
5. Overview
6. Initial Operation
7. Operation
8. Care and Maintenance
9. Repairs
10. Environmental Protection
11. Troubleshooting Guide
12. Accessories
13. Technical Specifications

1. Declaration of Conformity

We declare and accept sole responsibility for ensuring: these compressors identified by their type and serial number *1) conform to all relevant provisions of the directives *2) and standards *3), issuing testing authority *4), measured LWA(M) / guaranteed LWA(G) sound power level *5), technical documentation for *6) - see page 4.

2. Specified Conditions of Use

This tool is used for the generation of compressed air for professional tools powered by compressed air.

The use in the medical and food sector as well as refilling of oxygen tanks is not permitted.

Explosive, flammable or harmful gases must not be aspirated. Operation in potentially explosive rooms is not permitted.

Any other use does not comply with the intended purpose. Unspecified use, modification of the device or use of parts that have not been tested and approved by the manufacturer can cause unforeseeable damage!

Children, adolescents and untrained persons must not use the machine and the connected compressed air tools.

Operate the device only under supervision.

3. General Safety Instructions



WARNING – Reading the operating instructions will reduce the risk of injury.

General Safety Instructions



WARNING – Read all safety warnings and instructions. Failure to follow all safety warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference! Pass on your power tool only together with these documents. You and all other users must be able to inform yourselves at any time.

3.1 Work Area Safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate the device in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Tools create sparks which may ignite the dust or fumes.
- c) **Keep children and other persons away while operating the device.**

3.2 Electrical Safety

- a) **Tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **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.

- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, hanging or unplugging the tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

3.3 Personal Safety

- a) **Stay alert, watch what you are doing and use common sense when operating a tool. Do not use a tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection, depending on the type and application of the tool, will reduce personal injuries.
- c) **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 power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the tool in unexpected situations.
- f) **Wear appropriate clothing. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

3.4 Tool Use and Care

- a) **Do not force the power tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the tool if the switch does not turn it on and off.** Electrical devices that can no longer be switched on or off are dangerous and must be repaired immediately.
- c) **Disconnect the plug from the power source and/or the battery pack from the tool before making any adjustments, changing accessories, or storing tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle tools out of the reach of children. Do not allow persons unfamiliar with the device or these instructions to operate the device.** Devices are dangerous when used by inexperienced personnel.
- e) **Maintain power tools and accessories with care.** Check that the moving parts are functioning properly and do not jam, that there is no breakage of parts or any other condition that may affect the device's operation. If damaged, have the device repaired before using. Many accidents are caused by poorly maintained power tools.
- g) **Use the power tool, accessories, tool bits etc. in accordance with these instructions.** Take into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow safe

handling and control of the tool in unexpected situations.

3.5 Use and handling of the cordless device

- a) **Only charge batteries with charging devices recommended 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.
- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) **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.
- d) **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.
- e) **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.
- f) **Do not expose the battery pack to fire or excessive temperatures.** Fire or temperatures above 130 °C can cause an explosion.
- g) **Follow all instructions on charging and never charge the battery or the cordless tool outside the temperature range indicated in the operating instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

3.6 Service

- a) **Have your device serviced by a qualified repair person using only genuine replacement parts.** This will ensure that the device functions safely.
- b) **Never service damaged batteries.** Any servicing of batteries should only be carried out by the manufacturer or authorised customer service points.

3.7 Additional Safety Instructions

- These operating instructions are intended for people with basic technical knowledge regarding the operation of a machine like this or similar electrical power tools. Inexperienced persons are strongly advised to seek competent advice and guidance from an experienced person before operating this machine.
- The manufacturer assumes no liability for any damage caused by neglect of these operating instructions.

Information in these instructions is marked as under:



Danger!
Risk of personal injury or environmental damage.



Risk of electric shock!
Risk of personal injury by electric shock.



Caution!
Risk of material damage.

4. Special Safety Instructions

The following residual risks basically exist for compressed air tools and cannot be remedied completely even with safety installations:

4.1 Danger of injury due to escaping compressed air and parts, which are carried along by compressed air!

- Never direct compressed air on people or animals.

- Ensure that all compressed air tools and accessories used are designed for the working pressure or can be connected via a pressure reducer.
- When loosening the quick coupling pay attention that the compressed air contained in the compressed air hose escapes suddenly. Therefore get a firm grip of the end of the compressed air hose to be loosened.
- Ensure that all screwed connections are always tightened properly.
- Do not attempt to repair the pump yourself! Only professionals may carry out repairs on compressors, compressed containers and compressed air tools.

4.2 Risk of burns at the surfaces of the parts bearing compressed air!

- Let the tool cool down prior to the servicing work.

4.3 Risk of personal injury and crushing by moving parts!

- Do not operate the tool without installed guards.
- Keep in mind that the tool starts up automatically when the minimum pressure is reached! – Ensure the tool is disconnected from power before servicing.
- Ensure that when switching on (e.g. after servicing) no tools or loose parts are left on or in the tool.

4.4 Hazard generated by insufficient personal protection gear!

- Wear hearing protection.
- Wear safety glasses.
- Wear a breathing mask for applications generating dust or when harmful gases, mist or vapours are generated.
- Wear suitable work clothes.
- Wear non-slip footwear.

4.5 Hazard generated by machine defects!

- Keep tool and accessories in good repair. Observe the maintenance instructions.
- Before every use check the machine for possible damage: before operating the machine all safety devices, protective guards or slightly damaged parts need to be checked for proper function as specified. A damaged device must only be reused after it has been correctly repaired.
- Check to see that all moving parts work properly and do not jam. All parts must be correctly installed and fulfil all conditions necessary to ensure perfect operation of the unit.
- Damaged protection devices or parts must be repaired or replaced by a qualified specialist.

4.6 Specialised safety instructions for cordless devices

- Remove the battery pack from the device before making any adjustments, changing tools, maintaining or cleaning.



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.

Transport of li-ion battery packs:

- The shipping of li-ion battery pack 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).

4.7 Additional Safety Instructions

- Please also observe the special safety instructions in the respective chapters.
- Observe any particular health and safety or accident prevention regulations governing the use of compressors and compressed air tools.
- Observe the legal provisions for the operation of systems requiring monitoring.
- Keep in mind that escaping condensate and other consumables contaminate the surrounding area and may trigger damage to the environment during operation and storage of the tool.
- Consider environmental conditions:

4.8 Symbols on the machine (depends on model)



Read instructions.



Warning of personal injury by touching hot parts.



Wear eye goggles



Wear ear protectors.



Warning of automatic startup.



Danger - electrical voltage.



Guaranteed sound power level.

4.9 Safety Devices

Safety valve

The spring-loaded valve (8) reacts if the permitted maximum pressure is exceeded.

5. Overview

See page 2.

- 1 connection for compressed air (quick coupling), regulated compressed air
- 2 pressure regulator
- 3 manometer boiler pressure
- 4 manometer control pressure
- 5 Capacity indicator button *
- 6 Capacity and signal indicator *
- 7 ON/OFF Switch
- 8 safety valve
- 9 pressure vessel
- 10 condensate outlet
- 11 Battery pack mount (for storing a replacement battery pack)
- 12 Battery pack release button
- 13 Battery pack *
- 14 Transportation handle

* depending on model/equipment/not in scope of delivery

6. Commissioning

6.1 Check condensate outlet

Ensure that the condensate outlet (10) is closed.

6.2 Installation

The positioning site of the device has to meet the following requirements:

- Dry, protected from frost
- Stable, horizontal and even surface



Danger!

Wrong positioning might cause serious accidents.

- Secure the device against rolling away, tilting and slipping.
- Safety installations and operating elements have to be easily accessible at any time.

6.3 Transport

- Do not pull the device from the hose. Transport the device at the transport handle (14).

7. Operation

7.1 Battery pack

Charge the battery pack 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 (6) (equipment-specific):

- Press the button (5), the LEDs indicate the charge level.
- The battery pack is almost flat and must be recharged if one LED is flashing.

Removing and inserting the battery pack



Danger!

Make sure that the tool is switched off before fitting the battery pack.

Removal: Press the button to unlock the battery pack (12) and pull out the battery pack (13) to the rear.

To insert: Slide the battery pack (13) in until it engages.

Note: You can store a replacement battery pack (11) on the battery pack storage mount.

7.2 Generate compressed air

1. Switch on the device using the ON/OFF switch (7) and wait, until the maximum boiler pressure has been reached (compressor switches off). The boiler pressure is shown at the boiler pressure manometer (3).

Set the control pressure at the pressure reducer (2). The current control pressure is shown at the control pressure manometer (4).



Attention!

The set control pressure must not exceed the maximum operating pressure of the connected compressed air tools!

2. Connect the compressed air hose at the compressed air inlet (1).
3. Connect the compressed air tool. Now you can work with the compressed air tool.
4. Switch off the device if you will not be continuing work immediately. Then remove the battery pack as well.
5. Drain the condensed water of the pressure vessel at the condensate outlet (10) on a daily basis.

8. Care And Maintenance



Danger!

Prior to all servicing:

switch machine OFF; Remove battery pack. Wait until the device has stopped. Ensure that there is no more pressure on the device and all used compressed air tools and accessories.

Leave the device and all used compressed air tools and accessories to cool down.

After to all servicing:

Put back into operation and check all safety installations. Ensure that there are no tools or similar at or in the device.

Repair and maintenance work other than described in this section should only be carried out by qualified specialists.

8.1 Important information

Maintenance and test have to be planned and carried out in accordance with the legal provisions in line with the setup and mode of operation of the device.

Regulatory authorities may ask to view respective documentation.

8.2 Regular maintenance

Prior to every start

- Check compressed air hoses for damage and replace, if necessary.
- Check that all screw fittings are seated securely, and tighten if necessary.
- Check connection cables for damage, and, if necessary, have it replaced by a qualified electrician.

Daily

- Drain the condensed water of the pressure vessel at the condensate outlet (10).

8.3 Storage of device

1. switch machine off; Remove battery pack.
2. Depressurise the pressure vessel and all connected compressed air tools.
3. Drain the condensed water of the pressure vessel at the condensate outlet (10).
4. Store the device in such a way that unauthorised persons cannot start it.



Attention!

Do not store the saw outdoors, in unprotected areas or in damp or wet locations.

Observe the permitted temperature ranges (see technical data).

Danger of frost



Attention!

Frost (< 5 °C) destroys the pump and accessories as both always contain water! If there is a danger of frost disassemble pump and accessories and store in frost-free conditions.

9. Repairs



Danger!

Repair of tools must be carried out by qualified electricians only!

If you have Metabo devices that require repairs, please contact your Metabo service centre. See www.metabo.com for addresses.

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

10. Environmental Protection



Danger!

Condensate from the pressure container contains environmentally hazardous contamination. Dispose of the condensed water in an environmentally-friendly manner using respective collection sites!

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



For EU countries only: Never dispose of appliances in your household waste! According to European directive 2012/19/EU on Waste Electrical and Electronic Equipment and its implementation in national law, used

devices must be collected separately and delivered for environmentally-friendly recycling.

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!

Discharge the battery pack in the power tool before disposal. Prevent the contacts from short-circuiting (e.g. by protecting them with adhesive tape).

11. Troubleshooting Guide



Danger!

Prior to all servicing:

switch machine OFF; Remove battery pack. Wait until the device has stopped. Ensure that there is no more pressure on the device and all used compressed air tools and accessories. Leave the device and all used compressed air tools and accessories to cool down.

Any works other than the ones described in this chapter, must be carried out only by a qualified electrician or the service branch in your country.

After to all servicing:

Put back into operation and check all safety installations. Ensure that there are no tools or similar at or in the device.

Compressor does not run:

- Battery pack.
 - Battery pack empty. Charge the battery pack before use.
 - Check to ensure the battery pack has been pushed in until it clicks into place.
- Motor overheated, e.g. due to insufficient cooling (ventilation grate covered).
 - Switch off the compressor using the ON/OFF switch (7).
 - Remedy the cause for overheating. Leave to cool for about ten minutes.
 - Switch on the compressor again using the ON/OFF switch (7).

Compressor runs without building up sufficient pressure.

- Condensate outlet leaking.
 - Ensure that the condensate outlet (10) is closed.
 - Check the seal of the drainage plug, if required, replace.
- Check valve leaking.
 - Have check valve serviced in authorised service centre.

Compressed air tool does not get enough pressure.

- Pressure controller not open enough.
 - Open pressure controller (2) further.
- Hose connection between compressor and compressed air tool leaking.
 - Check hose connection; if required replace damaged parts.

12. Accessories

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

Only use accessories which 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.
Battery packs: 5.5 Ah (6.25368), 6.2 Ah (6.25341), 7.0 Ah (6.25345), etc.
- B Charger: ASC ultra, etc.

For a complete range of accessories, see www.metabo.com or the catalogue.

13. Technical Specifications

Explanatory notes on the specifications on page 3.

Changes due to technological progress reserved.

A	= suction capacity
F	= filling capacity
L _{eff}	= Effective output volume at 80% max. pressure
p	= max. pressure
V	= vessel size
a	= number of air outlets
z	= number of cylinders
n ₀	= max. speed
U	= Voltage of battery pack
IP	= protection class
A	= dimensions (l x w x h)
T _{max}	= Compressor: max. storage / operating temperature *
T _{min}	= Compressor: min. storage / operating temperature **
T _{B, Akku}	= Battery pack: Permitted ambient temperature during operation
T _{L, Akku}	= Battery pack: Permitted ambient temperature during storage
m	= weight

* = The service life of some components e.g. seal in check valve is significantly reduced, if the compressor is operated at high temperatures (max. storage / operating temperature and higher).

** = At temperature below the min. storage / operating temperature, there is danger of frost for the condensate in the pressure vessel.

== 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 device and to compare different devices. The actual load may be higher or lower depending on the operating conditions, the condition of the device or the accessories. 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.

Typical A-effective perceived sound levels:

L _{pa}	= Sound-pressure level
L _{WA}	= acoustic power level
L _{WA(G)}	= guaranteed acoustic power level as per 2000/14/EC

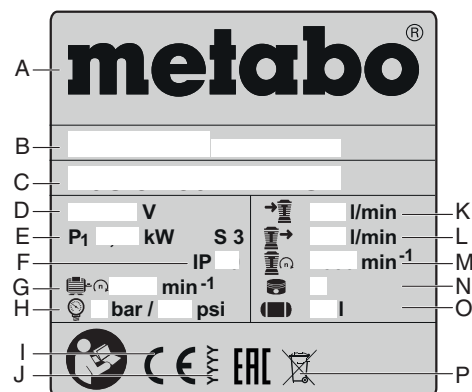


K_{PA}, K_{WA}=uncertainty



Wear ear protectors!

Information on the nameplate:



- A Manufacturer
- B Item, version, serial number
- C Model number
- D Connection voltage
- E Rated input power
- F Protection class
- G Max. speed
- H Max. pressure
- I CE mark – This machine conforms to the EC directives as per Declaration of Conformity
- J Date of manufacture
- K Suction capacity
- L Filling capacity
- M Compressor speed
- N Number of cylinders
- O Boiler size
- P Disposal symbol (see chapter 10.)