BG-KM

STIHL

2 - 12 Instruction Manual

Contents

1 KombiSystem

In the STIHL KombiSystem a number of different KombiEngines and KombiTools can be combined to produce a power tool. In this instruction manual the functional unit formed by the KombiEngine **and** KombiTool is referred to as the power tool.

Therefore, the separate instruction manuals for the KombiEngine and KombiTool should be used together for the power tool.

Always read and and make sure you understand **both** instruction manuals before using your power tool for the first time and keep them in a safe place for future reference.

2 Guide to Using this Manual

2.1 Pictograms

All the pictograms attached to the machine are shown and explained in this manual.

2.2 Symbols in text

WARNING

Warning where there is a risk of an accident or personal injury or serious damage to property.

NOTICE

Caution where there is a risk of damaging the machine or its individual components.

2.3 Engineering improvements

STIHL's philosophy is to continually improve all of its products. For this reason we may modify the design, engineering and appearance of our products periodically.

Therefore, some changes, modifications and improvements may not be covered in this manual.

3 Safety Precautions and Working Techniques

Special safety precautions must be observed when operating a power tool.

Both user manuals (KombiEngine and KombiTool) must be read through attentively before using the unit for the first time and kept in a safe place for future reference. Non-compliance with the user manuals may cause serious or even fatal injury.

Lend or rent your machine only to persons who are familiar with this model and its operation – do not lend of rent your machine without the KombiEngine and KombiTool user manuals.

The blower is designed for blow-sweeping leaves, grass, paper, snow and similar materials, e.g. in gardens, sports stadiums, car parks and driveways. It is also suitable for blow-sweeping forest paths.

The machine must not be used for any other purposes – **risk of accident!**

Only use parts and accessories that are explicitly approved for this power tool by STIHL or are technically identical. If you have any questions about this, consult a dealer.

Use only high quality parts and accessories in order to avoid the risk of accidents and damage to the machine. in order to avoid the risk of acci-

Original Instruction Manual
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Printed on chlorine-free paper
Paper is recyclable.

dents and damage to the machine. in order to avoid the risk of accidents and damage to the machine.

STIHL recommends the use of original STIHL parts and accessories. They are specifically designed to match the product and meet your performance requirements.

Never attempt to modify your power tool in any way since this may increase the risk of personal injury. STIHL excludes all liability for personal injury and damage to property caused while using unauthorized attachments.

Do not use a high-pressure washer to clean the power tool. The solid jet of water may damage parts of the unit.

3.1 Clothing and equipment

Wear proper protective clothing and equipment.

Clothing must be sturdy but allow complete freedom of movement. Wear snug-fitting clothing, e.g. an overall and jacket combination, do not wear a work coat.

Avoid any clothing, scarves, neckties, jewelry or anything that could get into the air intake. Tie up and secure long hair above your shoulders.

Wear sturdy shoes with non-slip soles.

WARNING

To reduce the risk of eye injuries, wear close-fitting safety glasses in accordance with European Standard EN 166 (for Canada, in accordance with standard CSA Z94). Make sure the safety glasses fit snugly.

Wear "personal" sound protection, e.g. ear defenders.

STIHL offers a comprehensive range of personal protective equipment.

3.2 Transporting the machine

Always stop the engine.

By vehicle: When transporting in a vehicle, properly secure your machine to prevent turnover, damage and fuel spillage.

3.3 Before starting

Check that your power tool is in safe operating condition – refer to appropriate chapters in the User Manuals for KombiEngines and KombiTools:

– A worn fan housing (cracks, nicks, chips) may result in an increased risk of injury from thrown foreign objects
– If the fan housing is damaged, consult your dealer – STIHL recommends you contact a STIHL dealer.
– Never attempt to modify the controls or safety devices.
– Keep the handles dry and clean – free from oil and dirt – this is important for safe control of the machine.

The power tool must only be operated when it is in good operating condition – **Risk of accident!**

To prepare for emergencies when using a harness: Practice setting down the machine quickly. To avoid damage, do not throw the machine to the ground when practicing.

See also notes on "Before Starting" in the user manual of the KombiEngine you are using.

3.4 While working

Do not direct the air blast towards bystanders or animals – the machine may eject small objects at high speed – **risk of injury!**.

In the event of impending danger or in an emergency, switch off the engine immediately by moving the slide control / stop switch / stop button to **STOP** or **0**.

To reduce the risk of injury, do not allow any other persons within a radius of 15 meters of your own position.

This distance must also be maintained in relation to objects (vehicles, window panes) – **risk of property damage!**

As soon as the engine starts running, the power tool generates toxic exhaust gas. These gases may be odorless and invisible and may contain unburned hydrocarbons and benzene. Never run the engine indoors or in poorly ventilated locations, even if your model is equipped with a catalytic converter.

Never leave a running unit unattended.

Take special care in slippery conditions – **dampness, snow, ice**, on slopes or uneven ground.

When blow-sweeping (in open terrain and in gardens), look out for small animals to prevent endangering them.

Mufflers with catalytic converters can become especially hot.

The dust, which is swirled up during operation, may be harmful to health. Wear a dust mask in case of dust production.

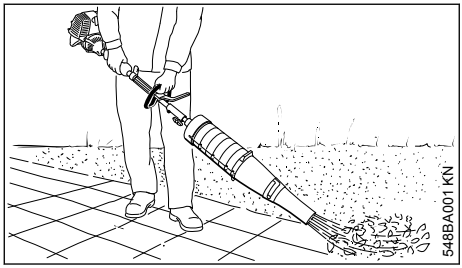
Be particularly alert and cautious when wearing ear protection because your ability to hear warnings (shouts, alarms, etc.) is impaired.

After work, place the machine on a level, non-flammable surface. Do not place the machine near easily flammable materials (e.g. wood chips, bark, dry grass, fuel) – **risk of fire!**

If your power tool is subjected to unusually high loads for which it was not designed (e.g., external force due to an impact or a fall), always check that it is in good condition before continuing work – see also notes in chapter on "Before Starting" in the KombiEngine User Manual. Check the proper functioning of the safety devices. Never use a power tool that is no longer safe to operate. In case of doubt, contact a STIHL authorized dealer.

If the fanwheel is jammed by an object: Switch off the KombiEngine, remove the battery and disconnect the connecting cable. Only then remove the object.

3.5 Using the device



Always hold the unit firmly with both hands on the handles. Right hand on control handle, left hand on loop handle on the shaft, even if you are left-handed. Wrap your thumbs around the handles.

WARNING

To reduce the risk of injury, operate the unit only with a properly mounted blower tube.

Work only slowly, moving in a forwards direction – always observe the discharge area of the blower tube – do not move backwards – **risk of tripping!**

When blow-sweeping in open terrain and in gardens, look out for small animals.

The device can be carried on a harness (available as special accessory in some markets) to relieve the weight on your arms.

3.6 Working Technique

To minimize blowing time, use a rake and broom to loosen dirt particles before you start blowing.

– If necessary, dampen the surface to be cleaned in order to avoid creating too much dust.
– Do not blow particles in the direction of bystanders, in particular in the direction of children, pets, open windows or freshly washed vehicles. Take special care in such situations.
– Remove the blow-swept debris in rubbish bins – do not blow it onto the neighbor's land.
– Operate your power tool at reasonable times only – not early in the morning, late at night or during midday rest periods when people could be disturbed. Observe local rest periods.
– Operate blowers at the lowest engine speed necessary to accomplish the task.
– Check your blower before starting work. Pay special attention to the muffler, air intakes and air filter.

3.7 Maintenance and Repairs

Service the machine regularly. Do not attempt any maintenance or repair work not described in the KombiTool and KombiEngine instruction manuals. Have all other work performed by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine. If you have any questions in this respect, consult a servicing dealer.

STIHL recommends the use of genuine STIHL replacement parts. They are specifically designed to match your model and meet your performance requirements.

To reduce the risk of injury, **always shut off the engine** before carrying out any maintenance or repairs or cleaning the machine.

4 Approved KombiEngines

4.1 KombiEngines

Only use KombiEngines supplied or explicitly approved by STIHL for use with the attachment.

This KombiTool may only be operated with the following KombiEngines:

STIHL KM 56 R, KM 85 R, KM 94 R, KM 111 R, KM 131, KM 131 R, KM 235 R, KMA 80.0 R, KMA 120.0 R, KMA 130 R, KMA 135 R, KMA 200.0 R

WARNING

Machines with a loop handle must be equipped with a barrier bar.

4.2 Brushcutters with split shaft

The KombiTool can also be mounted on STIHL brushcutters with a split shaft (T-models) (basic power tools).

Operation of this KombiTool is therefore also permitted on the following power tool models:

STIHL FR 131 T, FR 235 T

WARNING

Refer to the power tool's User Manual for how to use the barrier bar.

5 Assembling the Unit

- Push the nozzle onto the blower tube as far as the lug and then rotate it clockwise up to stop to lock in positon.

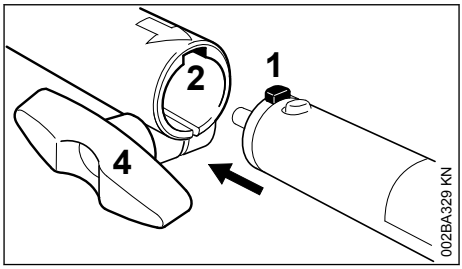
WARNING

To reduce the risk of injury, operate the unit only with a properly mounted blower tube.

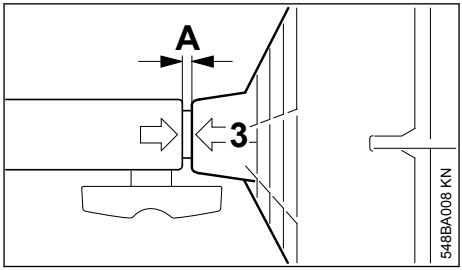
6 Mounting the KombiTool

6.1 Attaching the KombiTool

- When a KombiEngine is used: Stop the engine.
- When using a cordless KombiEngine: Switch off the engine and remove the battery/disconnect the plug of the connecting cable.



- Push the pin (1) on the shaft into the slot (2) in the coupling sleeve as far as it will go.



When correctly inserted, the shield (3) must be flush with the coupling sleeve (gap A must be no more than 5 mm).

- Tighten down the wing screw (4) firmly.

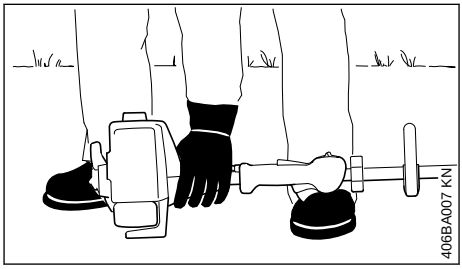
6.2 Removing the KombiTool

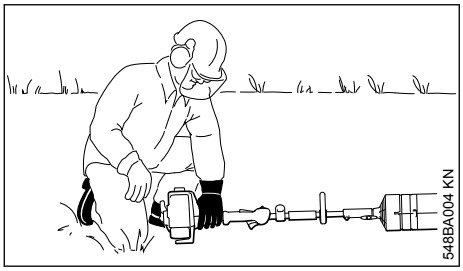
- Reverse the above sequence to remove the KombiTool.

7 Starting / Stopping the Engine

7.1 Starting the Engine

Always follow the operating instructions for the KombiEngine and basic power tool.





NOTICE

Start your machine on a clean surface only to ensure that no dust is sucked in.

- Place the machine securely on the ground and make sure that bystanders are well clear of the nozzle outlet.
- Make sure you have a firm footing, either standing, stooping or kneeling.
- Hold the machine with you left hand and press it down **firmly** – do not touch the controls on the control handle – see KombiEngine or basic power tool instruction manual.

NOTICE

Do not stand or kneel on the drive tube.

The starting procedure is now as described in the instruction manual of the KombiEngine or basic power tool you are using.

7.2 Stopping the Engine

- See KombiEngine or basic power tool instruction manual.

8 Storing the Machine

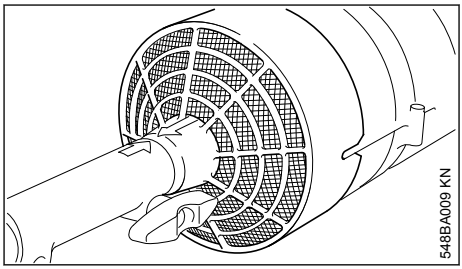
If not used for approx. 30 days or longer:

- Clean and inspect the housing
- If the KombiTool is removed from the KombiEngine and stored separately: Fit the protective cap onto the shaft to protect against contamination of the coupling
- Store the machine in a dry and secure location. Keep out of the reach of children and other unauthorized persons

9 Maintenance and Care

The following intervals apply to normal operating conditions only. If your daily working time is longer or operating conditions are difficult (very dusty work area, etc.), shorten the specified intervals accordingly.

Intake screen



- Check and clean before starting work, after finishing work and when required.
- If damaged, have replaced by dealer[1)]

10 Minimize Wear and Avoid Damage

Observing the instructions in this manual and the KombiEngine manual helps reduce the risk of unnecessary wear and damage to the power tool.

The power tool must be operated, maintained and stored with the due care and attention described in these instruction manuals.

The user is responsible for all damage caused by non-observance of the safety precautions, operating and maintenance instructions. This includes in particular:

– Alterations or modifications to the product not approved by STIHL.
– Using tools or accessories which are neither approved or suitable for the product or are of a poor quality.
– Using the product for purposes for which it was not designed.
– Using the product for sports or competitive events.
– Consequential damage caused by continuing to use the product with defective components.

10.1 Maintenance Work

All the operations described in the chapter on "Maintenance and Care" must be performed on a regular basis. If these maintenance operations cannot be performed by the owner, they should be performed by a servicing dealer.

[1)] STIHL recommends a STIHL servicing dealer.

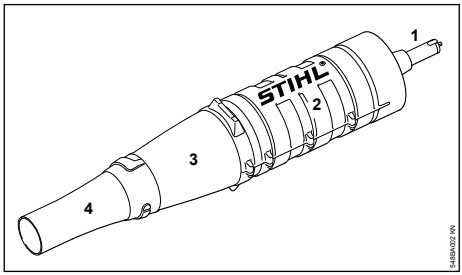
STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

If these maintenance operations are not carried out as specified, the user assumes responsibility for any damage that may occur. Among other parts, this includes:
– Corrosion and other consequential damage resulting from improper storage.
– Damage to the product resulting from the use of poor quality replacement parts.

10.2 Parts Subject to Wear and Tear

Some parts of the power tool are subject to normal wear and tear even during regular operation in accordance with instructions and, depending on the type and duration of use, have to be replaced in good time. Among other parts, this includes:
– Nozzle
– Intake screen

11 Main Parts



1 Drive tube
2 Blower housing
3 Blower tube
4 Nozzle

12 Specifications

12.1 Maximum air flow rate (with round nozzle)

depending on KM or FR model being used
875 - 1025 m^3/h

12.2 Air velocity (with round nozzle)

depending on KM or FR model being used
60 - 70 m/s

12.3 Weight

1.8 kg

12.4 Noise and vibration values

Noise and vibration values on power tools with the blower KombiTool-KombiEngine include idling and rated maximum speed in a ratio of 1:6.

For further details on compliance with Vibration Directive 2002/44/EC, see

www.stihl.com/vib

12.4.1 Sound pressure level L_{peq} in accordance with ISO 22868

KM 56 R with loop handle:	96 dB(A)
KM 85 R with loop handle:	97 dB(A)
KM 94 R with loop handle:	93 dB(A)
KM 111 R with loop handle:	98 dB(A)
KM 131:	101 dB(A)
KM 131 R with loop handle:	101 dB(A)
KM 235.0 R with loop handle:	102 dB(A)
FR 131 T:	101 dB(A)
FR 235.0 T:	100 dB(A)

12.4.2 Sound pressure level L_{peq} in accordance with ISO 11201

KMA 80.0 R with loop handle:	90 dB(A)
KMA 120.0 R with loop handle:	90 dB(A)
KMA 130 R with loop handle:	91 dB(A)
KMA 135 R with loop handle:	89.2 dB(A)
KMA 200.0 R with loop handle:	95 dB(A)

12.4.3 Sound power level L_W in accordance with ISO 22868

KM 56 R with loop handle:	107 dB(A)
KM 85 R with loop handle:	108 dB(A)
KM 94 R with loop handle:	106 dB(A)
KM 111 R with loop handle:	110 dB(A)
KM 131:	110 dB(A)
KM 131 R with loop handle:	110 dB(A)

12.4.4 Sound power level L_{weq} in accordance with ISO 22868

KM 235.0 R with loop handle:	112 dB(A)
FR 131 T:	110 dB(A)
FR 235.0 T:	111 dB(A)

12.4.5 Sound power level L_W in accordance with ISO 3744

KMA 80.0 R:	102 dB(A)
KMA 120.0 R:	102 dB(A)
KMA 130 R:	102 dB(A)
KMA 135 R:	104 dB(A)
KMA 200.0 R:	103 dB(A)

12.4.6 Vibration level $a_{hv,eq}$ in accordance with ISO 22867

	Handle, left	Handle, right
KM 56 R with loop handle:	4.7 m/s²	6.7 m/s²
KM 85 R with loop handle:	4.4 m/s²	8.2 m/s²
KM 94 R with loop handle:	2.9 m/s²	4.2 m/s²
KM 111 R with loop handle:	2.6 m/s²	3.8 m/s²
KM 131:	4.1 m/s²	4.5 m/s²
KM 131 R with loop handle:	4.1 m/s²	4.5 m/s²
KM 235.0 R with loop handle:	8.0 m/s²	8.3 m/s²
FR 131 T:	1.5 m/s²	2.0 m/s²
FR 235.0 T:	2.2 m/s²	2.1 m/s²

12.4.7 Vibration level $a_{hv,eq}$ acc. to EN ISO 8662-1

	Handle, left	Handle, right
KMA 80.0 R with loop handle:	1.9 m/s²	1.4 m/s²
KMA 120.0 R with loop handle:	1.3 m/s²	1.2 m/s²
KM 130 R with loop handle:	1.6 m/s²	2.0 m/s²
KM 135 R with loop handle:	3.9 m/s²	2.7 m/s²
KMA 200.0 R with loop handle:	2.4 m/s²	2.4 m/s²

The K-factor in accordance with Directive 2006/42/EC is 2.0 dB(A) for the sound pressure level and sound power level; the K-factor in accordance with Directive 2006/42/EC is 2.0 m/s² for the vibration level.

12.5 REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorization and Restriction of Chemical substances.

For information on compliance with the REACH regulation (EC) No. 1907/2006 see

www.stihl.com/reach

13 Maintenance and Repairs

Users of this machine may only carry out the maintenance and service work described in this user manual. All other repairs must be carried out by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

When repairing the machine, only use replacement parts which have been approved by STIHL for this power tool or are technically identical. Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine.

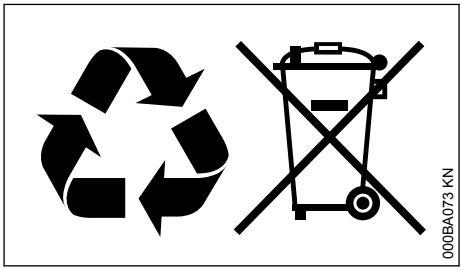
STIHL recommends the use of original STIHL replacement parts.

Original STIHL parts can be identified by the STIHL part number, the STIHL® logo and the STIHL parts symbol ® (the symbol may appear alone on small parts).

14 Disposal

Contact the local authorities or your STIHL servicing dealer for information on disposal.

Improper disposal can be harmful to health and pollute the environment.



- Take STIHL products including packaging to a suitable collection point for recycling in accordance with local regulations.
- Do not dispose with domestic waste.

15 EC Declaration of Conformity

ANDREAS STIHL AG & Co. KG
Badstr. 115
D-71336 Waiblingen

Germany

declares under its sole responsibility that

Designation:	KombiTool Blower
Make:	STIHL
Series:	BG-KM
Serial identification number:	4606

conforms to the specifications of Directives 2006/42/EC, 2014/30/EU and 2000/14/EC and has been developed and built in compliance with

the versions of the following standards valid at the production date:

EN ISO 12100 (in conjunction with the listed KM- and FR- tools)

EN ISO 12100, EN 60335-1, EN 50636-2-100 (in conjunction with the indicated cordless KMA models) and taking into account IEC 62841-1 and IEC 62841-4-6 (in conjunction with KMA 80.0 R, KMA 120.0 R and KMA 200.0 R)).

The measured and the guaranteed sound power level have been determined in accordance with Directive 2000/14/EC, Annex V, and standard ISO 11094.

Measured sound power level

with KM 56 R:	106 dB(A)
with KM 85 R:	104.3 dB(A)
with KM 94 R:	104 dB(A)
with KM 111 R:	108 dB(A)
with KM 131:	110 dB(A)
with KM 131 R:	110 dB(A)
with KM 235 R:	110 dB(A)
with KMA 130 R:	102 dB(A)
with KMA 135 R:	101.5 dB(A)
with KMA 80.0 R:	102 dB(A)
with KMA 120.0 R:	102 dB(A)
with KMA 200.0 R:	103 dB(A)
with FR 131 T:	110 dB(A)
with FR 235 T:	109 dB(A)

Guaranteed sound power level

with KM 56 R:	108 dB(A)
with KM 85 R:	106 dB(A)
with KM 94 R:	106 dB(A)
with KM 111 R:	110 dB(A)
with KM 131:	112 dB(A)
with KM 131 R:	112 dB(A)
with KM 235 R:	112 dB(A)
with KMA 130 R:	104 dB(A)
with KMA 135 R:	104 dB(A)
with KMA 80.0 R:	104 dB(A)
with KMA 120.0 R:	104 dB(A)
with KMA 200.0 R:	105 dB(A)
with FR 131 T:	112 dB(A)
with FR 235 T:	111 dB(A)

Technical documents deposited at:

ANDREAS STIHL AG & Co. KG
Produktzulassung

The year of manufacture is specified on the power tool.

Waiblingen, 2023-12-01

ANDREAS STIHL AG & Co. KG

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Robert Olma, Vice President, Regulatory Affairs & Global Governmental Relations

16 UKCA Declaration of Conformity

ANDREAS STIHL AG & Co. KG
Badstr. 115
D-71336 Waiblingen

Germany

declares under its sole responsibility that

Designation:	KombiTool Blower
Make:	STIHL
Series:	BG-KM
Serial identification number:	4606

conforms to the relevant provisions of the UK regulations Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016 and Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 and has been manufactured in compliance with the following standards in the versions valid on the date of production:

EN ISO 12100 (in conjunction with the listed KM- and FR- tools)

EN ISO 12100, EN 60335-1, EN 50636-2-100 (in conjunction with the indicated cordless KMA models) and taking into account IEC 62841-1 and IEC 62841-4-6 (in conjunction with KMA 80.0 R, KMA 120.0 R and KMA 200.0 R).

The measured and guaranteed sound power levels have been determined in accordance with the UK regulation 2000/14/EC, Schedule 8, using the ISO 11094 standard.

Measured sound power level

with KM 56 R:	106 dB(A)
with KM 85 R:	104.3 dB(A)
with KM 94 R:	104 dB(A)
with KM 111 R:	108 dB(A)
with KM 131:	110 dB(A)
with KM 131 R:	110 dB(A)
with KM 235 R:	110 dB(A)
with KMA 130 R:	102 dB(A)
with KMA 135 R:	101.5 dB(A)
with KMA 80.0 R:	102 dB(A)
with KMA 120.0 R:	102 dB(A)
with KMA 200.0 R:	103 dB(A)
with FR 131 T:	107 dB(A)
with FR 235 T:	109 dB(A)

Guaranteed sound power level

with KM 56 R:	108 dB(A)
with KM 85 R:	106 dB(A)
with KM 94 R:	106 dB(A)
with KM 111 R:	110 dB(A)
with KM 131:	112 dB(A)
with KM 131 R:	112 dB(A)
with KM 235 R:	112 dB(A)
with KMA 130 R:	104 dB(A)
with KMA 135 R:	104 dB(A)
with KMA 80.0 R:	104 dB(A)
with KMA 120.0 R:	104 dB(A)
with KMA 200.0 R:	105 dB(A)
with FR 131 T:	112 dB(A)
with FR 235 T:	111 dB(A)

Technical documents deposited at:

ANDREAS STIHL AG & Co. KG

The year of manufacture is indicated on the power tool.

Waiblingen, 2023-12-01

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Robert Olma, Vice President, Regulatory Affairs & Global Governmental Relations

17 Addresses

www.stihl.com

18 General Power Tool Safety Warnings

18.1 Introduction

This chapter reproduces the pre-formulated, general safety precautions specified in the IEC 62841 (EN 62841) standard for electric motor-operated hand-held tools.

STIHL is required to reproduce the wording.

The safety advice described under “Electrical Safety” for avoiding electric shock does not apply to STIHL cordless products.

WARNING

Read all the safety precautions, instructions, illustrations and specifications accompanying this electric power tool. Failure to follow the safety warnings and instructions may result in electric shock, fire and/or serious injury. **Keep all safety warnings and instructions for future reference.**

The term “electric power tool” used in the safety advice refers to electric power tools powered by mains electricity (by means of a power cord) or electric power tools powered by rechargeable batteries (without a power cord).

18.2 Work area safety

a) **Keep your work area clean and well lit.** Cluttered or dark areas invite accidents.

b) **Do not work with the electric power tool in potentially explosive environments in which there are inflammable liquids, gases or dusts.** Electric power tools create sparks, which can ignite dusts or fumes.

c) **Keep children and other people away while you are operating the electric power tool.** Distractions can cause you to lose control of the electric power tool.

18.3 Electrical safety

a) **Electric power tool plugs must match the outlet. The plug must not be modified in any way. Do not use an adapter plugs with electric power tools fitted with a protective earth.** Unmodified plugs and matching outlets will reduce the risk of electric shock.

b) **Avoid touching surfaces, such as pipes, radiators, ovens and refrigerators with any part of your body.** There is an increased risk of electric shock if your body is earthed or grounded.

c) **Keep electric power tools away from rain or moisture.** Water entering an electric power tool will increase the risk of electric shock.

d) **Do not use the connecting cable for any other purpose. Never carry or pull the electric power tool by the connecting cable or remove the plug by pulling on the cable. Keep the connecting cable away from heat, oil, sharp edges or moving parts.** Damaged or entangled connecting cables increase the risk of electric shock.

e) **When operating an electric power tool outdoors, only use an extension cord that is also**

suitable for outdoor use. Use of an extension cord suitable for outdoor use reduces the risk of electric shock.

f) **If operating an electric power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** The use of an RCD reduces the risk of electric shock.

18.4 Personal safety

a) **Stay alert, watch what you are doing and use common sense when operating an electric power tool. Do not use the electric power tool if you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating the electric power tool may result in serious personal injury.

b) **Use personal protective equipment. Always wear safety glasses.** Protective equipment such as a dust mask, non-skid safety shoes, a hard hat or hearing protection fit for the respective type of electric power tool and the respective job will reduce personal injuries.

c) **Prevent unintentional starting. Check that the electric power tool is switched off before you connect it to the mains and/or the battery, pick it up or carry it.** Accidents can happen if you carry the electric power tool with your finger on the ON/OFF switch or with the electric power tool switched on.

d) **Remove any setting tools or wrenches before turning the electric power tool on.** A tool or spanner left attached to a rotating part of an electric power tools can lead to injury.

e) **Avoid placing your body in an unnatural position. Keep proper footing and balance at all times.** This enables better control of the electric power tool in unexpected situations.

f) **Wear suitable clothing. Do not wear loose clothing or jewelry. Keep your hair and clothes away from moving parts.** Loose clothes, jewelry or long hair may be caught in moving parts.

g) **If dust extraction and collection devices can be mounted, they should be connected and used correctly.** Use of dust collection can reduce dust-related hazards.

h) **Do not be lulled into a false sense of security and do not disregard the safety rules even if you are thoroughly familiar with the electric power tool.** Carelessness can result in serious injuries within fractions of a second.

18.5 Handling and use of electric power tools

a) **Do not force the electric power tool. Always use an electric power tool that is intended for the task you are undertaking.** The correct electric power tool will do the job better and safer at the rate for which it was designed.

b) **Do not use an electric power tool if its switch is defective.** Any electric power tool that cannot be switched on or off via the switch is dangerous and must be repaired.

c) **Disconnect the plug from the power source and/or take a removable battery pack out of the electric power tool before making any device adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the electric power tool accidentally.

d) **Unused electric power tools must be stored out of the reach of children. Do not let anyone use the electric power tool who is not familiar with it or has not read the instructions and advice.** Electric power tools are dangerous in the hands of untrained users.

e) **Maintain electric power tools and accessories with care. Check for misalignment or jamming of moving parts, breakage of parts and any other condition that may affect the functionality of the electric power tool. If damaged, have the electric power tool repaired before use.** Many accidents are caused by poorly maintained electric power tools.

f) **Keep cutting tools clean and sharp.** Carefully maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.

g) **Use the electric power tool, accessories, tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the electric power tool for operations different from those intended may result in a hazardous situation.

h) **Keep handles and grip surfaces dry, clean and free from oil and grease.** Slippery handles and grip surfaces do not allow proper operation and control of the electric power tool in unforeseen situations.

18.6 Service

a) **Only have your electric power tool repaired by qualified personnel and only with genuine**

spare parts. This will ensure that the safety of the electric power tool is maintained.

b) **Never service damaged batteries.** All servicing of batteries should be carried out exclusively by the manufacturer or authorized service centers.

18.7 Blower Safety Warnings

General safety warnings for Blower

a) **Do not use the blower in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.

b) **Wear eye protection and ear protection.** Adequate protective equipment will reduce the risk of personal injury.

c) **While operating the blower, always wear non-slip and protective footwear. Do not operate the blower when barefoot or wearing open sandals.** This reduces the risk of injury to the feet.

d) **Do not wear loose fitting clothing or articles such as scarves, strings, chains, ties, etc., that could get drawn into the air inlets. Tie back or cover long hair to make sure it does not get drawn into the air inlets.** If any of these items are drawn into the air inlets, it can increase the risk of personal injury.

e) **Keep bystanders away while operating the blower.** Thrown debris can increase the risk of personal injury.

f) **Never point the blower nozzle in the direction of people or pets or in the direction of windows. Use extra caution when blowing debris near solid objects, such as trees, automobiles and walls that can cause debris to ricochet.** Thrown objects can damage property and increase the risk of personal injury.

g) **Do not use the blower to blow anything that is burning or smoking, such as cigarettes, matches or hot ashes.** These ignition sources may increase the risk of fire.

h) **Do not touch the fan while still in motion. Turn off the blower and wait until the fan stops before removing any part that may give access to the fan.** This reduces the risk of injury from moving parts.

i) **When clearing jammed material or servicing the blower, make sure the power switch is off.** Unexpected starting of the blower while clearing jammed material or servicing may result in serious personal injury.

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