



PDKS 120

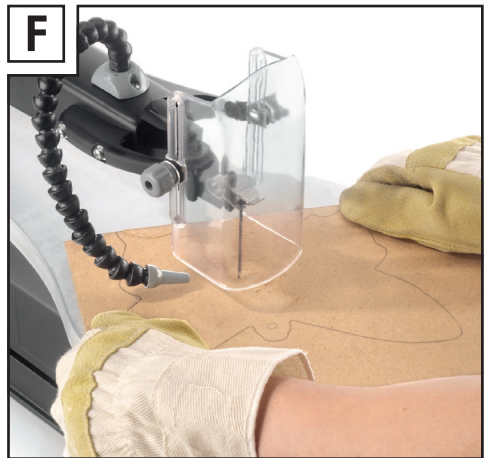
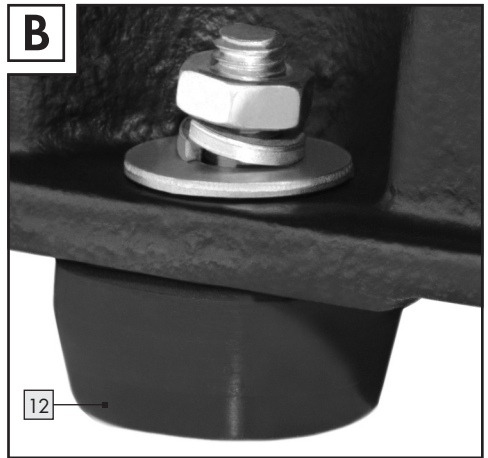
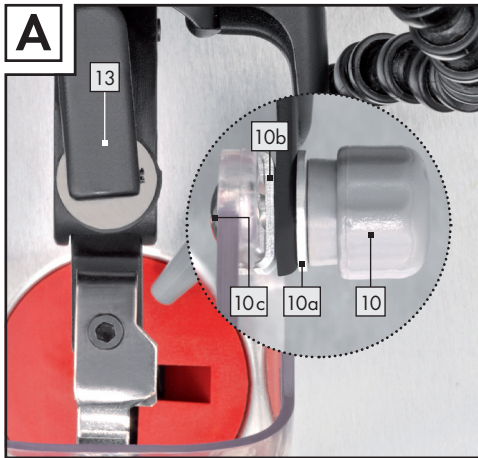
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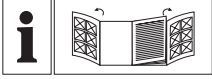
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SCROLL SAW

Operation and Safety Notes







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Before reading, unfold both pages containing illustrations and familiarise yourself with all functions of the device.

Introduction

Intended purpose	Page 6
Features and equipment	Page 6
Included items	Page 6
Technical data	Page 7

Safety advice

Working safely	Page 7
Safety advice relating specifically to scroll saws	Page 8
Advice on use	Page 9

Assembly

Attaching the blade guard (see Fig. A)	Page 9
Attaching the feet (see Fig. B)	Page 10
Attaching the dust blow tube (see Fig. C)	Page 10

Bringing into use

Setting the stroke rate	Page 10
Tilting the saw table (see Figs. D, E)	Page 10
Inserting/removing the saw blade	Page 10

Maintenance and cleaning

Maintenance	Page 11
Cleaning	Page 11













Service	Page 11
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Warranty	Page 11
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Disposal	Page 12
-----------------------	---------

Conformity Declaration / Manufacturer	Page 12
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The following pictograms are used in these operating instructions / on the device:

	Read instruction manual!		Keep children away from electrical power tools!
	Volt (AC)		Caution - electric shock! Danger to life!
	Watts (effective power)		For indoor use only!
	No-load stroke rate		Risk of loss of life by electric shock from damaged mains lead or mains plug!
	Observe caution and safety notes!		Wear hearing protection, dust protection mask, protective glasses and protective gloves.
	Risk of explosion!		Dispose packaging and appliance in an environmentally-friendly way!

Scroll saw PDKS 120

● Introduction



Before you use it for the first time, it is essential that you make yourself fully familiar with the functions of the appliance and find out how to correctly handle electrically powered tools. To do this, read the following operating instructions carefully. Retain these instructions for future reference. Additionally, pass them on to whoever might acquire the appliance at a future date.

● Intended purpose

The scroll saw is intended for the intricate cutting of wood and plastic in a DIY environment (see Fig. F). Any other uses, and modifications to the appliance, are deemed to be improper usage and may result in serious physical injury. The manufacturer accepts no responsibility for damage(s) resulting from improper usage.

● Features and equipment

- 1 Dust blow tube
- 2 Stroke rate controller
- 3 OFF button
- 4 ON button
- 5 Angle setting screw
- 6 Saw table
- 6a Angle scale
- 7 Saw blade
- 8 Top saw blade mounting
- 9 Blade guard
- 10 Knurled nut
- 10a Plain washer
- 10b Guide plate
- 10c Screw
- 11 Attachment arm
- 12 3 x Threaded feet with nut, washer and retaining ring
- 13 Clamping lever
- 14 Bottom blade mounting

● Included items

- 1 x Scroll saw PDKS 120
- 1 x Blade guard
- 2 x Knurled nuts
- 2 x Plain washers

- 2 x Guide plates
- 2 x Screws
- 10 x Saw blades
- 1 x Dust blow tube
- 3 x Threaded feet with nut, washer and retaining ring
- 1 x Allen key
- 1 x Operating instructions

● Technical data

Nominal voltage:	230V ~ 50 Hz
Rated power:	120 W
Short-term operation time:	20 min (S2)
Stroke rate (no load):	n_0 400 - 1600 min ⁻¹
Max. cut depth 90°:	50 mm
Max. cut depth 45°:	22 mm

Noise data:

A-weighted sound levels:	
Sound pressure level:	67,2 dB (A)
Sound level:	80,2 dB (A)
Uncertainty K = 3 dB	

Values determined in accordance with EN 61029.









Safety advice

- **ATTENTION!** In order to protect yourself from electric shock, injury or fire when using electrical power tools, please observe the following basic safety precautions. Read all these requirements before you use the electrical power tool, and keep the safety advice in a safe place.

● Working safely

1. **Keep your working area clean and tidy.**
 - A disorderly working area can lead to accidents.
2. **Be aware of the effects of the environment.**
 - Do not leave electrical power tools out in the rain.

-  Do not use electrical power tools in moist or wet surroundings.
 - Ensure that your working area is well lit.
 -  Do not use electrical power tools in areas where there is risk of fire or explosion.
3.  **Protect yourself from electric shock.**
 - Avoid touching earthed objects such as pipes, heating radiators, ovens or refrigerators with parts of your body.
 4. **Keep other people at a safe distance.**
 -  Do not allow other people, in particular children, to touch the electrical power tool or the mains lead. Keep them away from your working area.
 5. **Store currently unused electrical power tools in a safe place.**
 - When not being used electrical power tools should be stored in dry conditions in a high or enclosed place, out of reach of children.
 6. **Do not overload your electrical power tool.**
 - By keeping within the specified working range of the tool you will work more safely and achieve a better result.
 7. **Use the right electrical power tool for the task.**
 - Do not use low-output devices for heavy tasks.
 - Do not use an electrical power tool for purposes for which it was not intended. For example, do not use a hand operated circular saw for trimming tree branches or cutting logs.
 8. **Wear suitable clothing.**
 - Do not wear loose-fitting clothing or jewellery. They could become caught on moving parts.
 - We recommend that you wear anti-slip footwear when working outdoors.
 - If you have long hair, wear a hair net.
 9.   **Use personal protective equipment.**
 - Wear protective glasses.
 - Wear a dust mask if your work generates dust.
 10. **Attach the vacuum dust extraction device.**

- Where there are connection points provided for vacuum dust extraction please use them, and ensure they are working properly.
11.  **Do not use the mains lead for purposes for which it was not intended.**
 - Do not use the mains lead to pull the plug out of the mains socket. Protect the mains lead from heat, oil and sharp edges.
 12. **Secure the workpiece.**
 - Use clamps or a vice to grip the workpiece firmly. This is much safer than holding it with your hand.
 13. **Avoid placing your body in an unnatural position.**
 - Keep proper footing and balance at all times.
 14. **Look after your tools carefully.**
 - Keep cutting tools sharp and clean. This way you will work more safely and achieve better results.
 - Follow the advice on tool lubrication and consumables replacement.
 - Check the condition of the mains lead on your electrical power tool regularly and have any damage repaired by a competent specialist.
 - Check the condition of extension leads regularly and replace them if they are damaged.
 - Keep handles and hand grips clean, dry and free of oil and grease.
 15. **Pull the mains plug out of the mains socket.**
 - Do this if the electrical power tool is not being used, before carrying out maintenance tasks on the electrical power tool and whenever you are changing inserted tools, e.g. saw blades, drills or router bits.
 16. **Make sure that no spanners, keys etc. are left attached.**
 - Check before switching on that all spanners, keys and setting tools have been removed.
 17. **Avoid unintentionally starting up the device.**
 - Check that the switch is set to OFF on the device when the mains plug is inserted into the mains socket.
 18. **Using an extension lead for working outdoors.**
 - When working outside, always use an approved and appropriately labelled extension lead.
 19. **Remain alert.**
 - Watch what you are doing. Proceed with caution. Do not use electrical power tools if you cannot concentrate.
 20. **Check the electrical power tool for damage.**
 - Before the electrical power tool is used, carefully check the safety equipment and any slightly damaged parts to see that they are still working properly.
 - Check that all moving parts on the tool are working properly, can move freely and are not damaged. All parts must be correctly attached and fulfil all the requirements necessary to allow the electrical power tool to operate properly.
 - Damaged safety equipment and components must be properly repaired or replaced at a competent electrical equipment repair centre unless otherwise indicated in the operating instructions.
 - Damaged switches must be replaced at a Customer Service Centre.
 - Never use an electrical power tool that cannot be switched on and off properly.
 21. **ATTENTION!**
 - The use of inserted tools and accessories other than those recommended by the manufacturer could lead to you being injured.
 22. **Have your electrical power tool repaired at an electrical equipment repair specialist.**
 - This electrical power tool complies with the relevant safety regulations. Repairs may only be carried out by a specialist electrical repair centre using original spare parts, otherwise injury could occur to the user.



Safety advice relating specifically to scroll saws

- Ensure that the scroll saw stands on a level, horizontal surface.
- Do not touch the mains lead if it becomes damaged or cut through while you are using the device. Pull the plug out of the mains socket immediately and have the device repaired by a

suitably qualified person or at the Customer Service Centre.

- Always work with the mains lead leading away from the rear of the device.
- If a dangerous situation arises, pull the mains plug immediately out of the mains socket.
- Always switch on the electrical power tool before moving the workpiece against it. Otherwise there is the risk of kickback.
- Do not cut moist materials or damp surfaces.
- Use only undamaged, defect-free saw blades **7**. Distorted or blunt saw blades **7** can break or cause a kickback.
- Ensure that the teeth on the saw blade **7** point downwards before you mount it in the device.
- **DANGER OF INJURY!** Keep your hands away from the area of the saw blade.
- Before sawing, check the workpiece for foreign bodies such as nails etc. and remove them. Injury and/or damage to property may result from the saw blade striking nails etc. embedded in the workpiece.
- Always keep the device clean, dry and free from oil or grease.
- Switch off the device before you remove any wood residue from around the saw blade. Otherwise you could become injured.

⚠ WARNING! HAZARDOUS DUSTS / VAPOURS! Any noxious dusts or vapours generated from sawing represent a risk to the health of the person operating the device and to anyone near the work area.

- Do not saw materials containing substances harmful to health.
- Do not use the tool on materials containing asbestos. Asbestos is a known carcinogen.
- Make sure you have adequate ventilation.



Wear protective glasses, hearing protection, dust protection masks and protective gloves.

● Advice on use

- Push the workpiece slowly and with minimum pressure on to the saw blade.
- Reduce the rate of advance when you are cutting thicker material.

- Hold the workpiece firmly on the table with both hands and push it slowly towards the saw blade. Otherwise the saw blade may twist or break.
- Avoid making any sharp changes in direction during sawing to prevent the saw blade from twisting or tearing.
- Before starting the saw cut, drill a hole at a corner or internal cut-out in the workpiece and start sawing from the hole.
- Use the correct saw blade. The choice of saw blade depends on the thickness and type of material and the intended cut. Select a saw blade with fine teeth to saw thin, hard materials. Use a narrow saw blade to saw small radius cuts.

● Assembly

⚠ WARNING! DANGER OF INJURY!

Pull the mains plug out of the socket before you carry out any task on the device,

● Attaching the blade guard **9** (see Fig. A)

- Push the screw **10c** from the inside through the slot in the blade guard **9**.
- From the outside of the blade guard **9**, place the guide plate **10b** on to the screw **10c**. The bent-up side of the guide plate **10b** engages around the blade guard **9**.
- Attach the blade guard **9** between the two attachment arms **11** and insert the two screws **10c** through the openings provided for them in the attachment arms **11**.
- Ensure that the upwardly curved end of the blade guard **9** is at the top.
- Put the plain washers **10a** on from the outside of the attachment arms **11**.
- Screw the knurled nuts **10** on to the two screw ends **10c**.
- Slide the blade guard **9** into the desired position and fix it in that position by tightening the knurled nuts **10**.

● Attaching the feet 12 (see Fig. B)

- Attach the feet 12 from below through the mounting holes in the device's base plate.
- Place the plain washers and then the nuts on to the screw threads.
- Tighten the nuts using a size 10 open spanner.

● Attaching the dust blow tube 1 (see Fig. C)

- Screw the dust blow tube 1 clockwise into the opening provided for it.

● Bringing into use

Take note of the mains voltage. The mains voltage at the mains socket must match that shown on the rating plate on the device. Devices marked with 230V can also be operated at 220V.

⚠ CAUTION! Make sure that the device is switched off before you connect it to the mains supply.

- Always switch on the electrical power tool before moving the workpiece against it. Otherwise there is the risk of kickback.

Setting up the device:

- Grab the device at the position labelled "Bitte hier anheben - Please lift here" to position the device.

Switching on the device:

- Press the green ON button 4.

Switching off the device:

- Press the red OFF button 3.

● Setting the stroke rate

- Turn the stroke rate controller 2 clockwise to increase the stroke rate.
- Turn the stroke rate controller 2 anticlockwise to decrease the stroke rate.

NOTE: Be aware that too high a stroke rate leads to the saw blade heating up, an increase in wear of the saw blade and burn marks on the material.

- Select a saw speed suitable for the material being sawn.

	Maximum speed	Medium speed	Minimum speed
Thick wooden board	Straight cut	Normal fretsaw work	-
Thin wooden or plastic board	Straight and curved cuts	Normal and intricate fretsaw work	Intricate fretsaw work

● Tilting the saw table 6 (see Figs. D, E)

- Unscrew the angle setting screw 5.
- Tilt the saw table 6 until the desired is reached.

NOTE: The angle can be read off the angle scale 6a.

- Retighten the angle setting screw 5.

● Inserting / removing the saw blade 7

⚠ WARNING! DANGER OF INJURY!

Pull the mains plug out of the socket before you carry out any task on the device,

Inserting the saw blade 7:

- Lift up the clamping lever 13.
- Insert the saw blade 7 through the opening in the saw table 6.
Ensure that the teeth of the saw blade 7 point forwards and downwards.
- Suspend the saw blade 7 in the bottom blade mount 14.
- Then hook the top pin of the saw blade 7 in the recess provided for this purpose in the top saw blade mount 8.

- Lower the clamping lever **13** to tension the saw blade **7**.
- Turn the clamping lever **13** horizontally clockwise to increase the tension.
- Turn the clamping lever **13** horizontally anticlockwise to reduce the tension.

NOTE: Sawing with too little tension in the saw blade **7** can lead to inaccurate results.

Removing the saw blade **7**:

- Lift up the clamping lever **13**.
- Press the top saw blade mount **8** downward.
- Lift the saw blade **7** slightly.
- Unhook the saw blade out of the bottom saw blade mount **14** by moving it forward.

● Maintenance and cleaning

● Maintenance

⚠ WARNING! DANGER OF INJURY!

Pull the mains plug out of the socket before you carry out any task on the device,

The device requires almost no maintenance.

● Cleaning

- Clean the device frequently; for best results, do this immediately after you have finished using it.
- Do not allow any liquids to enter the device. Use a dry cloth to clean the device.
- Keep the ventilation slots free of dust and dirt.
- Do not under any circumstances use petrol or strong solvents.
- Store the device in a dry room.

● Service

- **⚠ WARNING!** Have your device repaired at the service centre or by qualified specialist personnel using original manufacturer parts only. This will ensure that your device remains safe to use.

- **⚠ WARNING!** If the plug or lead needs to be replaced, always have the replacement carried out by the manufacturer or its service centre. This will ensure that your device remains safe to use.

● Warranty

This appliance is guaranteed for 3 years from the date of purchase. It has been carefully produced and meticulously checked before delivery. Please keep your receipt as proof of purchase. Contact your service centre by telephone in case of questions pertaining to the warranty. Your goods can be transmitted free of cost only in this manner. This warranty applies only to the initial purchaser and is non-transferable.

The warranty covers only material or manufacturing faults, not normal wear or damage to fragile parts such as switches or rechargeable batteries. The appliance is intended solely for private, not commercial, use.

If this product has been subjected to improper or inappropriate handling, abuse, or interventions not carried out by one of our authorised sales and service outlets, the warranty will be considered void. This warranty does not affect your statutory rights.

GB

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*** Standard call rates apply.**

Mobile operators may vary.

e-mail: support.ie@kompernass.com

● **Disposal**



The packaging is wholly composed of environmentally-friendly materials that can be disposed of at a local recycling centre.



Do not dispose of electrical power tools with the household rubbish!

In accordance with European Directive 2002/96/EC (covering waste electrical and electronic equipment) and its transposition into national legislation, worn out electrical power tools must be collected separately and taken for environmentally compatible recycling.

Contact your local refuse disposal authority for more details of how to dispose of your worn out electrical devices.

● **Conformity Declaration / Manufacturer CE**

We, Kompernaß GmbH, Burgstr. 21, D-44867 Bochum, Germany, hereby declare that this product complies with the requirements of the following EU directives:

**Machinery Directive
(98 / 37 / EC)**

**EC Low Voltage Directive
(2006 / 95 / EC)**

**Electromagnetic compatibility
(2004 / 108 / EC)**

Type / Appliance Designation:
Scroll saw PDKS 120

Bochum, 31.07.2009

Hans Kompernaß
- Managing Director-

We reserve the right to make technical modifications in the course of further development.

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