

■ OSCILLATING SANDER



- Ⓒ Before you begin reading this information, please unfold the page with the illustrations
- Ⓔ and familiarize yourself with all functions of the tool.



PARKSIDE

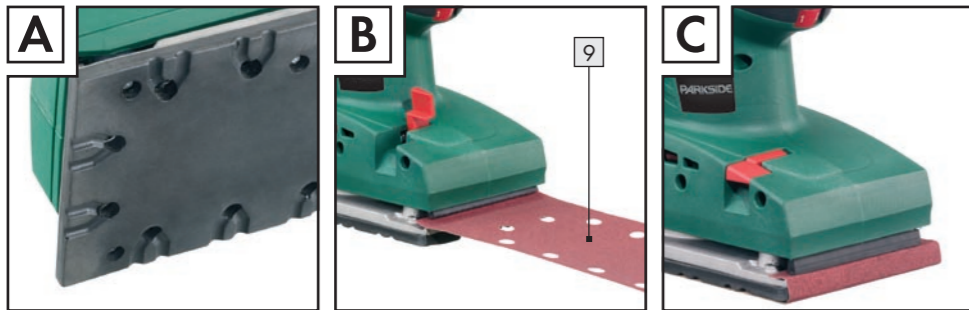
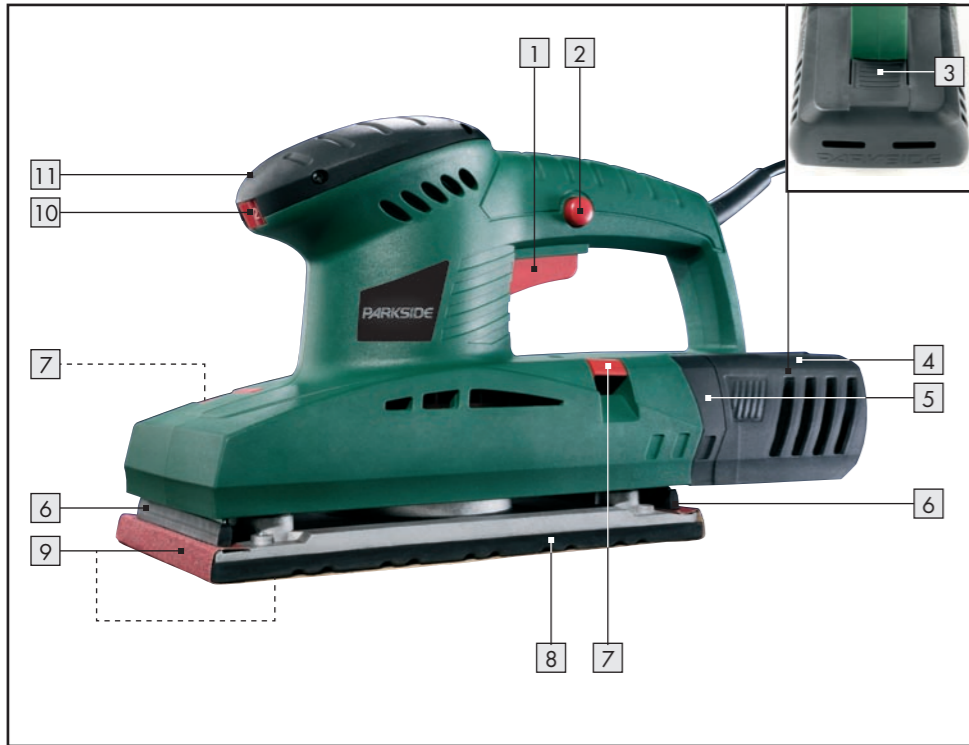
- Ⓒ **OSCILLATING SANDER XQ 310**
- Ⓔ Operating and safety instructions

GB / IE Operating and safety instructions:

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Validity date of the Information: 06 / 2007 · Ident.-No.: XQ 310-062007-1 / UK / IE



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The following pictogrammes / symbols are used in these operating instructions:

	Read the operating instructions!		Always wear ear protection, a dust mask, protective gloves, and safety goggles.
	Always heed warning labels and safety instructions!		Always protect the appliance from rain and moisture. Moisture entering into an electrical appliance increases the risk of electrical shock.
	Caution - Danger of electric shock! Hazardous voltage - danger to life!		Safety class II
	Explosive material!		Damaged appliances, power cables and power plugs mean potentially fatal risks from electric shock. Regularly check the condition of the appliance, the power cables and the power plugs.
n_0	Rated idling speed		Keep children and other unauthorised personnel at a safe distance when using electrical tools.
V~	Volt (AC)		This symbol indicates proper behaviour!
W	Watts (effective power)		Dispose packaging and appliance in an environmentally-friendly way!

Orbital sander XQ 310

Introduction

 Before using the appliance for the first time familiarize yourself with all functions of the appliance and inform yourself about the correct handling of electrical tools. Please 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 use

The oscillating sander is suited for dry sanding of wood, plastics and paints. Any other use or modification is considered improper use and involves significant accident risks. The manufacturer declines to accept responsibility for damage(s) arising out of usage contrary to the instructions specified below. The appliance is not meant for commercial use.


Features

- 1 ON / OFF switch
- 2 Locking button for the ON / OFF switch
- 3 Release button
- 4 Dust collection box
- 5 Adapter (captive)
- 6 Clamping bars
- 7 Tensioning lever
- 8 Sanding plate
- 9 Sanding Pad
- 10 Oscillation speed selection
- 11 Grip surface
- 12 Reducer

Delivery contents

- 1 Orbital sander XQ 310
- 15 Sanding pads (5 x grit 60 / 120 / 180), see Fig. F
- 1 Dust collection box
- 1 Reducer, see Fig. D
- 1 Operating manual
- 1 Warranty and Service manual

Technical Data

Nominal voltage:	230 V ~ 50 Hz
Nominal power:	310 W
Idle speed:	n_0 6,000 - 11,000 rpm
Idle oscillation speed:	max. approx. 22,000 rpm
Oscillation circle:	2.1 mm
Sanding paper size max.:	approx. 280 x 115 mm
Protection class:	II / 

Information on sound levels and vibration:

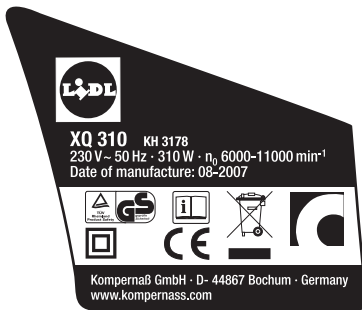
A-weighted noise level:

Sound pressure level: 71 dB(A)

Sound power level: 85 dB(A)

Weighted acceleration, typical:

Hand-arm vibration: 2.149 m/s²





Safety Instructions

- Important!** When using electrical tools, the following basic safety measures must be followed to protect against electric shock, injuries and fire hazards. Read and take note of these operating instructions and the safety advice contained therein before using the appliance, and keep them for future reference. Not following the instructions listed below can result in electric shock, fire and/or serious injuries.

Safety at the Workplace




- Keep working area clean and tidy. Ensure good illumination of the working area. Cluttered

and poorly lit working areas can lead to accidents.

- 
Explosion hazard! Do not work with the appliance in areas subject to the risk of explosions or in areas where flammable liquids, gases or dusts are located. Electrical hand tools produce sparks which could ignite the dust or vapours.
 - 
 Keep children and other unauthorised personnel at a safe distance when using electrical hand tools.
- Should you become distracted, you could lose control over the appliance.

Electrical Safety


Avoid life-threatening electric shocks:

- 
 The power plug of the appliance must match the power socket. Never manipulate the electrical plug. Do not use adapter plugs together with earthing-protected appliances. Unmodified plugs and suitable wall sockets reduce the risk of electric shock.
 - Avoid physical contact with earthed surfaces, such as pipes, heaters, stoves and refrigerators. There is an increased risk of electrical shock if your body is earthed.
 - 
 Protect the appliance from rain and moisture. If water or moisture enters into an electrical appliance, the risk of electrical shock increases.
 - Do not use the power cord for purposes other than intended, e.g. do not use the cord to carry the appliance, for hanging it up or for pulling the plug from the wall socket. Keep the cable away from heat, oil, sharp edges or moving appliance parts. Damaged or tangled cords or plugs increase the risk of an electric shock.
 - 
 A damaged appliance, power cord or power plug mean a risk of life-threatening electric shock.
- Check the condition of the appliance, the power cables and the power plugs on a regular basis.
- Check the power cord of the electric tool on a regular basis and have it replaced by a recognised specialist if damaged.

Safety Instructions

- When working outdoors, use only extension cords which are certified for use outdoors. The use of an extension cable suitable for employment outdoors reduces the risk of electrical shock.
- **Warning!** - Never open the appliance. Arrange for repair or component replacement work to be carried out by the service centre or specialists for electrical repairs.

⦿ Safety of Personnel

- Always be alert and aware of what you are doing. Work sensibly with an electrical hand tool. Do not use the appliance if you are unable to concentrate or tired or under the influence of drugs, alcohol or medication. Just a simple lapse of attention while using an electrical hand tool is sufficient to lead to serious injuries.
-  Wear personal protective gear and always wear safety goggles. Depending on the use of the electrical appliance, wearing personal protective equipment, such as dust masks, anti-slip safety shoes, protective gloves, safety helmet, and ear protection may reduce the risk of injuries.
- Avoid accidental start of the appliance. Ensure the switch is in the "OFF" position before inserting the plug into the power socket. Never touch the ON / OFF switch while carrying the appliance, never switch the appliance on before connecting it to the power supply - this may cause an accident.
- Do not overestimate yourself. Ensure you position yourself securely and you are balanced at all times. This allows much better control over the appliance, especially in unexpected situations.
- Wear suitable clothing. Do not wear loose clothing or jewellery. Keep hair, clothing and gloves away from moving parts. Wear a hair net if you have long hair. Loose clothing and clothing that is not tight against the body, as well as jewellery and hair can be caught by moving parts.
- Use dust vacuuming and collecting equipment if these can be attached to the appliance. Please note that the vacuums used must be suitable for this special application. The correct use of

this equipment reduces risks caused by dust. There is a risk of fire when working with electrical appliances that are equipped with dust bags or which can be connected to an appropriate appliance with a dust suction attachment! Under unfavourable conditions, such as flying sparks, grinding of metal or metal remnants in wood, the wood dust in the dust bag (or in the filter bag of a vacuum cleaner) can ignite. This can happen especially if the wood dust has paint particles on it or is mixed with other chemical substances and the sanded material is hot after extensive working. Therefore, avoid overheating both, the part which is being sanded and the appliance, and always empty the dust bag or the filter bag of the vacuum before work pauses.

⦿ Careful Handling and Use of Electrical Hand Tools

- Do not overload the appliance. Use the correct electrical tool for your work. With the correct electrical tool, you will work better and more safely within the specified performance range.
- Never use an electrical tool with a defective switch. An electrical tool that can no longer be switched on or off is dangerous and must be repaired.
- Pull the plug out of the power socket before making adjustments to the appliance, changing accessories or putting away the appliance. These precautionary measures prevent accidental starting of the appliance.
- Store unused electrical tools outside the reach of children. Do not allow persons to operate the appliance, if they are not familiar with the use of the tool or if they have not read these instructions. Electrical tools are dangerous if used by inexperienced persons.
- Take good care of the appliance. Check whether moving appliance parts are functioning correctly and do not stick, whether parts are broken or damaged and that the functioning of the appliance is not impaired. Have damaged parts repaired before using the appliance. Many

accidents are caused by poorly maintained electrical tools.

- Use electrical tools, accessories, aids, etc. in accordance with these instructions and as directed for this special appliance type. Take consideration thereby of the working conditions and the task to be completed. The use of electrical hand tools for purposes other than those originally intended can lead to dangerous situations.



Appliance-specific Safety Instructions

To avoid the risk of injury or fire as well as health risks:

- When working outdoors, connect the appliance via a residual current circuit-breaker with a maximum breaking current of 30 mA.
- Only use an extension cord certified for use outdoors.
- Secure the workpiece firmly. Use clamps / vices to firmly hold the workpiece. It is thus better secured than just with your hand.
- Never support your hands next to or in front of the device or on the surface being worked as there is a risk of injury in the event of slipping.
- In case of danger, immediately pull the power plug from the socket.
- Always run the power cord away from the appliance to the rear.

■ Fire hazard due to flying sparks!


When sanding metals, there is a risk of flying sparks. For this reason, always make certain that no one is at risk and that no flammable materials are located near the working area.

- **⚠ Warning! Toxic vapours!** Working with harmful / toxic dusts results in health hazards for the person operating the appliance and for other persons in the area.



Wear safety glasses and a dust protection mask!

- When working for extended periods on wood and, in particular, materials that produce dusts that are hazardous to health, connect the appliance to an appropriate external suction device.

- Ensure sufficient ventilation when working on plastics, paints, lacquers, etc.
- Do not soak materials or surfaces to be worked with liquids containing solvents. Heating during sanding can give rise to vapours that are toxic or hazardous to health.
- Avoid sanding of lead-based paints or other materials that are hazardous to health.
- Material containing asbestos may not be worked on. Asbestos is considered a carcinogen.
- The appliance is designed for dry surface sanding of wood, plastic, metal and smoothing compounds as well as painted surfaces.
- Never work on moistened materials or wet surfaces.
- Always hold the appliance firmly with two hands while working (see also Fig. D, E).
- Always switch off the appliance and allow the sanding pad  to come to a stop before setting down the oscillating sander.
- Always pull the power plug out of the socket for all work pauses, before any work on the appliance (e.g. changing the sanding paper) and when not in use.
- The appliance must always be kept clean, dry and free of oil or lubricating greases.
- Always stay alert! Always pay attention to what you are doing and act with common sense. Never use the appliance when you are distracted or don't feel well.

Service

- Arrange for your appliance to be repaired only by qualified specialists and only with original spare parts. Thus, you can be certain that the safety of your appliance is assured.
- Always have the plug or power cord replaced by the manufacturer of the appliance or the manufacturer's customer service. Thus, you can be certain that the safety of your appliance is assured.

⊗ Original ancillaries / and accessories

- Only use accessories and tools that are specified in the operating instructions. The use of tools and accessories other than those recommended in the operating instructions could lead to an increased risk of personal injury for you.

⊗ Any questions?

- You may begin the work once you have familiarised yourself with the instructions, functions and handling of the appliance. The safest work is possible by heeding all information and instructions of the manufacturer.

⊗ Operation

⊗ Operation

Take note of the mains voltage! The voltage must agree with the information on the type plate of the appliance (appliances that are designated as 230V can also be connected to 220V).

⊗ Switching On and Off

Switching on intermittent function:

- Press the ON/OFF switch **1**.

Switching off intermittent function:

- Release the ON/OFF switch **1**.

Switching on continuous operation :

- Press the ON/OFF switch **1**, hold it pressed and press the locking button **2**.

Switching off continuous operation:

- Press the ON/OFF switch **1** then release it again.

⊗ Setting the oscillation speed

You can set the desired oscillation speed as needed with the oscillation speed selector **10**. The required oscillation speed depends on the material being worked and can be determined through practical tests.

⊗ Attaching a sanding pad

⚠ Warning! Before performing work on the appliance, always disconnect the power.

Note: Before attaching a new sanding pad **9**, remove dust and dirt from the sanding plate **8**.

1. Open the two tensioning levers **7** by pushing them up to clamp in a new sanding pad **9** or when switching the sanding pads **9** for the use with different material.
2. Slide the sanding pad **9** at one end under the clamping bar **6** above the sanding plate **8** and clamp it tightly by pressing the tensioning lever **7** back down.
3. Do the same at the other end. Make certain that the sanding pad **9** rests firmly against the sanding plate **8**. See also Fig. B and C.
4. **Important!** To ensure that vacuuming of dust through the sanding plate **8** is guaranteed, the holes in the sanding pad **9** and the sanding plate **8** must match up.

Various materials require different grit values. You can read which grit value is best suited for which work in our recommendations under "Tips and tricks".

⊗ Vacuuming dust

⚠ Warning! Fire hazard! A risk of fire exists when working with electrical appliances that have a dust collection box **4** or can be attached to a vacuum cleaner via an external suction adapter! Under unfavourable conditions, such as flying sparks, grinding of metal or metal remnants in wood, the wood dust in the dust sack (or in the dust bag of a vacuum cleaner) can ignite. This can

happen especially if the wood dust has paint particles on it or is mixed with other chemical substances and the sanded material is hot after extensive working. You should therefore avoid overheating of products being sanded as well as the appliance and always empty the dust collection box **4** or the dust bag of the vacuum cleaner before work pauses.



Wear a dust mask!

Vacuuming dust with the dust collection box

Attach the dust collection box

- Slide the dust collection box **4** onto the adapter **5** on the rear of the appliance.

Remove the dust collection box

- Press the release button **3** and pull the dust collection box **4** off the appliance.

Note: Always empty the dust collection box **4** in due time and shake any remaining dust out; this will ensure optimal vacuum performance.

Attaching the dust removal device to an external vacuum:

When using a vacuum cleaner to remove the dust, slide the suction hose of an appropriate vacuum cleaner (e.g. industrial vacuum cleaner) into the adapter **5** – see Fig. D.

Note: If necessary, use the reducer **12** and insert it into the adapter **5**.

Removing:

- Pull the hose from the adapter **5**, or from the reducer **12**, as the case might be.

Instructions, tips and tricks

- Always hold the appliance firmly with two hands while working (see also Fig. D, E).
- Move the oscillating sander parallel, in flat circles or alternating between lengthwise and side-to-side motions.
- Do not press down with the oscillating sander. The sanding pads become clogged, which reduces the sanding performance.
- Clean the sanding pad **9** occasionally with the vacuum cleaner.
- The removal performance and therefore the result of your work are determined by the correct selection of the speed and sanding pad **9** grit.
- Never sand different materials with the same sanding pad **9** (e.g. wood then metal).

The following table offers some values, which are for information only and may simplify the selection of a sanding pad **9**.

Wood	Sanding Pad / Grit
Sanding of wood	40-240
Pre-sanding, e.g. of rough, unplanned beams and boards	40, 60
Surface sanding	80, 100, 120
Fine sanding of hard woods	180, 240

Paints / Lacquers	Sanding Pad / Grit
Sanding of paint / lacquer coats or base coats such as filler and smoothing compound	40-320
Sanding off paint	40, 60
Sanding off primer coats	80, 100, 120
Final sanding of base coats before painting	180, 240, 320

Maintenance and Cleaning

Warning! Before performing any work on the appliance, disconnect the power plug.

- Clean the appliance regularly, preferably always immediately after use.
- Do not use any sharp objects for cleaning the

appliance. Never permit fluids to permeate inside the appliance.

- Use a cloth to clean the casing. Never use petrol, solvents or cleansers that damage plastics. A vacuum cleaner is required for thorough cleaning of the appliance.
- Ventilation openings must never be obstructed.
- Remove adhering sanding dust with a brush.

Disposal



The packaging is made from environmentally-friendly material and can be disposed off at your local recycling plant.



Do not dispose of electrical appliances in normal household refuse!

According to European Directive 2002/96/EC for used electrical and electronic appliances and its adoption into national laws, worn-out electrical tools must be collected separately and subjected to an environmentally friendly recycling procedure.

Your local communal or municipal authorities can provide information on how to dispose of the worn-out appliance.

Information

Service centre

Details of the service centre responsible for your country are contained in the warranty documentation.

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 EC directives:

EC machine guideline (98/37/EG)

EC Low Voltage Directive (2006/95/EEG)

EMC (Electromagnetic Compatibility) (89/336/EEG), (93/68/EEG)

Type / Appliance Designation:

Parkside Orbital sander XQ 310

Bochum, 30.06.2007

Hans Kompernaß
- Managing Director-

Subject to technical changes in the course of further developments.

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