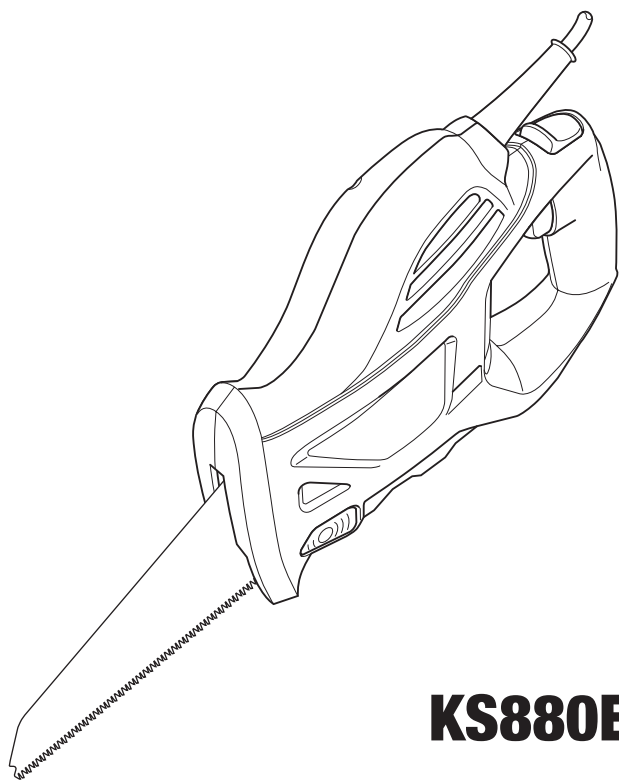


# BLACK+DECKER

TM



## KS880EC

[www.BlackandDecker.com](http://www.BlackandDecker.com)

This manual is applicable for -A9, -XD & -KR only

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## Powered Handsaw KS880EC

### Technical Data

Powered Handsaw		KS880EC
Power input	W	400
No. of stroke	spm	0-4, 600
Stroke Length	mm	10
Max. depth of cut - wood	mm	10
- plastic pipe	mm	Ø50
Cable length	m	3
Weight	kg	1.9

### Intended Use

Your Black & Decker saw has been designed for sawing wood and plastics. This tool is intended for consumer use only.

### Safety Instructions

**When using power tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock, personal injury and material damage. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place!**

The following symbols are used throughout this manual:

- ⚠ Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.
- ⚡ Denotes risk of electric shock.
- 🔥 Fire hazard.

- Work Area**
  - Keep work area clean and bright.** Cluttered areas and benches can cause accidents. Keep work area well lit (250-300 Lux).
  - Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks that may ignite the dust or fumes.
  - Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.
- Electrical Safety**
  - Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
  - 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.
  - Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
  - Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
  - 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.
- Personal Safety**
  - Stay alert. Watch what you are doing. Use common sense. Do not operate the tool when 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.
  - Use safety equipment. Always wear eye protection.** Everyday eyeglasses only have impact resistant lenses, they are not safety glasses. Contain long hair. Safety equipment such as dust mask, non-skid safety shoes, hardhat, heat-resistant apron or hearing protection used for appropriate conditions will reduce personal injuries.
  - Avoid accidental starting. Ensure the switch is in the off position before plugging in.** Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
  - 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.
  - Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
  - Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jeweler or long hair can be caught in moving parts.
  - If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards. Secure workpiece.** Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.
- Power tool use and care**
  - Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
  - Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
  - Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
  - Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
  - Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
  - Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
  - Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking 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.

- Service**
  - Have your power tool serviced by a qualified repairperson using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

### Additional Safety Instructions for Handheld Saws

- ⚠ **Warning!** Contact with or inhalation of dusts arising from cutting applications may endanger the health of the operator and possible bystanders. Wear a dust mask specifically designed for protection against dust and fumes and ensure that persons within or entering the work area are also protected.
- Do not use the tool for purposes not intended.
- Always use the appropriate type of saw blade for the workpiece material and type of cut.
- Only use saw blades in perfect condition.
- Always switch the tool off and wait for the saw blade to come to a complete standstill before putting the tool down.
- When not in use, the tool should be put down on its side.
- Keep your hands well clear of the saw blade while working.
- Whenever possible, use clamps or a vice to secure the workpiece.
- Before use, make sure that the cutting area is free of obstacles, especially on the reverse side of the cut.
- Before sawing in walls or floors, be aware of the location of hidden pipes and wiring.
- Do not use the tool while in a tree, on a ladder or on any other unstable surface.
- ⚠ **Warning:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
  - Lead from lead-based paints,
  - Crystalline silica from bricks and cement and other masonry products, and
  - Arsenic and chromium from chemically treated lumber (CCA).Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.
- Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water.** Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.
- This appliance is not intended for use by young or infirm persons without supervision. Children must be supervised to ensure they do not play with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer or an authorised Black & Decker Service Centre in order to avoid a hazard.

### Labels on your tool

They may include the following symbols.

V	.....	volts
A	.....	Amperes
Hz	.....	Hertz
W	.....	Watts
Min.	.....	Minutes
~	.....	Alternating current
----	.....	Direct current
No	.....	No load speed
⊕	.....	Class II Construction
⊕	.....	Earthing terminal
⚠	.....	Safety alert symbol
.../min	.....	Revolutions or reciprocation per minute
.../bpm	.....	Beats per minute

### Double Insulation

☐ The tool is double insulated. Double insulation means that all the external metal parts are electrically insulated from the mains power supply. This is done by placing insulated barriers between the electrical and mechanical components so as to making unnecessary for the tool to be earthed. **NOTE:** Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

### Electrical safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.

- ⚠ **Warning:** Never connect the live (L) or neutral (N) wires to the earth pin marked E or ⊕.

### Using an Extension Cable

An extension cable should not be used unless absolutely necessary. Use of an improper extension cable could result in a risk of fire and electric shock. If an extension cable must be used, use only those that are approved by the country's Electrical Authority. Make sure that extension cord is in good condition before using. Always use the cord that is suitable for the power input of your charger (see technical data on name plate).

When using a cable reel, always unwind the cable completely.

### Features (fig. A)

- Variable on/off switch
- Lock-off button
- Blade release button
- Large capacity saw blade
- Metal cutting blade

### Assembly and Adjustment

⚠ Prior to assembly and adjustment always unplug the tool.

**N.B.** Accessories mentioned in this manual may not necessarily be included in your pack.

### Fitting and Removing a Saw Blade (Fig. A-C)

#### Fitting

- Place the blade (4 or 5) over the location pin (6).
- Rotate the blade upward through 90° until it is fully located in the saw blade slot (7) and the location pin is in the locked position.

- Make sure the blade is securely fitted by trying to remove it without depressing the blade release button (3).
- If you are unable to fit the blade, check if the location pin is in the correct position as shown in fig. C. If it is not, keep the blade release button depressed and use a screwdriver to turn the location pin into the correct position.

#### Removing

- Keep the blade release button (3) depressed and rotate the blade downward through 90°.
- Take the blade sideways off the location pin and slide it out of the tool.
- Release the blade release button.

### Instruction for Use

- ⚠ Always observe the safety instructions and applicable regulations.
- ⚠ Let the tool work at its own pace. Do not overload.
- Do not touch the saw blade immediately after the operation as it might be hot.

### Switching on and off (fig. D)

- To switch the tool on, push the lock-off button (2) into the unlock position and squeeze the variable speed switch (1).
- To switch the tool off, release the variable speed switch.

### Sawing (fig. E)

- If possible, always hold the tool with both hands.
- Let the blade run freely for a few seconds before starting the cut.
- Apply only a gentle pressure to the tool while performing the cut.
- Use the same back and forth movement you would employ with a normal hand-saw. This enables a quicker and cleaner cut.

### Handy Hints

#### Sawing Wood

- Fit a large capacity blade (4).
- Clamp the workpiece securely and remove all nails and metal objects.
- When splintering is to be minimised, e.g. when cutting laminates, clamp a piece of scrap wood or hardboard to both sides of the workpiece and saw through this sandwich.

#### Sawing Metal

- Fit the metal cutting blade (5).
- Be aware that sawing metal takes much more time than sawing wood.
- When cutting thin sheet metal, clamp a piece of scrap wood to the back surface of the work piece and cut through this sandwich.
- Spread a film of oil along the intended line of cut.

### Maintenance

Your Black & Decker power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

The power tool is not user-serviceable. Take the tool to an authorized Black & Decker repair agent.

### Tool Cleaning

- ⚠ Unplug the tool before you clean the housing.
- Regularly clean the ventilation slots in your tool using a soft brush or dry cloth.
- Regularly clean the motor housing using a damp cloth. Do not use any abrasive or solvent-based cleaner.

### Important

To ensure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (other than those listed in this manual) should be performed by authorized service centers or other qualified organizations, always using identical replacement parts. Unit contains no user serviceable parts inside.

### Accessories

The performance of any power tool is dependent upon the accessory used. Black & Decker accessories are engineered to high quality standards and are designed to enhance the performance of your power tool. By using Black & Decker accessories you will get the very best from your tool.

Black & Decker offers a large selection of accessories available at our local dealer or authorized service center at extra cost.

⚠ **CAUTION:** The use of any non-recommended accessories may be hazardous.

### Protecting The Environment

♻ Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your Black & Decker product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

♻ Separate collection of used products and packaging allows materials to be recycled and used again.

Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

If necessary, contact your local municipality for proper disposal instructions in your city/town.

### Service Information

Black & Decker offers a full network of company-owned and authorized service locations throughout Asia. All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service.

Whether you need technical advice, repair, or genuine factory replacement parts, contact the Black & Decker location nearest to you.

### Notes

- Black & Decker's policy is one of continuous improvement to our products and, as such, we reserve the right to change product specifications without prior notice.
- Standard equipment and accessories may vary by country.
- Product specifications may differ by country.
- Complete product range may not be available in all countries. Contact your local Black & Decker dealers for range availability.

