

challenge
xtreme
READY FOR THE CHALLENGE

**135W PALM
DETAIL SANDER**



**FS-CG-140X140X80-135A
ORIGINAL INSTRUCTIONS**

INTRODUCTION

Thank you for purchasing a CHALLENGE XTREME Palm Sander. We would like you to be completely satisfied with your new product and hope you get many years of satisfaction out of this tool.

Your FS-CG-140X140X80-135A palm sander is suitable for surface sanding on wood, metal, plaster and filler surfaces, removal of layers of old paint, intermediate grinding, rust removal. The sander only operates when dry sanding on, and should work with suitable grained abrasive sheets.

GENERAL POWER TOOL SAFETY WARNINGS



WARNING!

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

Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

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

3) Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power 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.

ORIGINAL INSTRUCTIONS

- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **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.
- **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 jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery 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 dust collection can reduce dust-related hazards.
- **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 and/or the battery pack from the power tool 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 tool's 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, 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.

4) 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.

5) Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.**

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

ADDITIONAL SAFETY RULES FOR YOUR SANDER

- **Use the machine only for dry sanding.** Use the machine only for dry sanding. Penetration of water into the machine increases the risk of an electric shock.
- **Pay attention that no persons are put at risk through sparking.** Remove any combustible materials in the vicinity. Sparking occurs when sanding metal materials.
- **Caution, fire hazard! Avoid overheating the object being sanded as well as the sander.**
- **Always empty the dust box before taking breaks.** In unfavorable conditions, e.g., when sparks emit from sanding metals, sanding debris in the dust box, micro filter or paper sack (or in the filter sack or filter of the vacuum cleaner) can self-ignite. Particularly when mixed with remainders of varnish, polyurethane or other chemical materials and when the sanding debris is hot after long periods of working.
- **When working with the machine, always hold it firmly with both hands and provide for a secure stance.** The power tool is guided more secure with both hands.
- **Secure the work piece.** A work piece clamped with clamping devices or in a vice is held more secure than by hand.
- **Keep your workplace clean.** Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.

- **Never use the machine with a damaged cable. Do not touch the damaged cable and pull the mains plug when the cable is damaged while working.** Damaged cables increase the risk of an electric shock.



WARNING!

Some dust particles created by power sawing, contain 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.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

SYMBOLS



To reduce the risk of injury, user must read instruction manual



Warning



Wear eye protection



Wear ear protection



Wear dust mask



Double insulation



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist.



Check with your Local Authority or retailer for recycling advice.

Pic A



COMPONENT LIST

1. Sanding pad
2. On/Off switch
3. Dust extractor connection
4. Dust port
5. Soft touch handle

CHECK THE DELIVERY PARTS

Carefully remove the machine from its packaging and check as the following parts are complete:


- Palm sander
- Sandpaper x 6
- dust port
- operating instructions

If any parts are missing or damaged, please contact your dealer.

TECHNICAL DATA

Voltage	230-240V~50Hz
Power	135W
Rated speed	13000/min
Pad size:	140x140x80mm
Protection class	□ /II
Machine weight	0.9kg

NOISE INFORMATION

A weighted sound pressure	83dB(A)
A weighted sound power	94dB(A)
K_{PA} & K_{WA}	3.0dB(A)
Wear ear protection when sound pressure is over	80dB(A) 

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 60745:	
Vibration information	Vibration emission value $a_{th} = 23.2 \text{ m/s}^2$
	Uncertainty $K = 1.5 \text{ m/s}^2$

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value may also be used in a preliminary assessment of exposure.

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WARNING: The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

To use the correct accessory for the tool and ensuring it is sharp and in good condition.

And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.



WARNING: To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimize your vibration exposure risk.

ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti vibration accessories.

Avoid using tools in temperatures of 10°C or less.

Plan your work schedule to spread any high vibration tool use across a number of days.

OPERATING INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

INTENDED USE

The machine is intended for dry sanding of wood, plastic, metal, Filler as well as coated surfaces.

ASSEMBLY

1. Selecting the right grade of sandpaper

WARNING. Always ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or undertaking maintenance procedures.

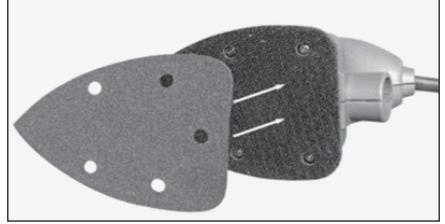
- Different grades of sandpaper can be purchased from your local hardware store. Available grades are: Coarse, Medium and Fine.
- Use a coarse grit to sand down rough finishes, medium grit to smooth the work and fine grit to finish off.
- It is best to make a trial run on a scrap piece of material to determine the optimum grades of sandpaper for a particular job. If there are still marks on your work after sanding, try either going back to a coarser grade and sanding the marks out before recommencing with the original choice of grit ,or try using a new piece of sandpaper to eliminate the unwanted marks before going on to a finer grit and finishing the job.

WARNING. Do not use the same sanding sheet for wood and metal. Metal particles become embed in the sandpaper and will scour a wooden surface.

2. Fitting the sand paper

To fit the sand paper :

Disconnect the plug from the electricity supply. Fix one side of the sandpaper, flush with one side of the backing pad, then attach the sandpaper to the backing pad and press it firmly into place.



Important!

Keep the cooling vents on the motor housing clean and unobstructed at all times. To be able to make the best use of the sander, always use original spare parts and accessories, available from all specialist retailers. Align the holes in the sandpaper with the dust extraction holes in the base of your sander.

3. Connect the dust port

Important! In the interests of your health, always use the dust extraction device when sanding.

Connect the extract adaptor to the dust extractor connection.



OPERATION

1. Starting Operation

Observe correct mains voltage! The voltage of the power source must match the voltage specified on the technical plate of the machine.

2. Switching On and Off

Switch on:

Press ON/OFF switch. at the position "I"

Switch off:

Press ON/OFF switch at the position "O"



Working Advice

Wait until the machine has come to a stand still before placing it down on any surface.

3. Sanding Surfaces

Switch the machine on, place it with the complete sanding surface on the surface to be worked and move the machine with moderate pressure over the work piece.

The removal capacity and the sanding pattern are mainly determined by the selection of the sanding sheet, and the applied pressure. Flawless sanding sheets will optimize sanding capability and extend the service life of the machine.

Apply uniform sanding pressure; this increases the working life of the sanding sheets.

Intensifying the sanding pressure does not lead to an increase of the sanding capacity, but to increased wear of the machine and the sanding sheet.

A sanding sheet that has been used for metal should not be used for other materials.

Use only original sanding accessories.

4. Rough Sanding

Attach a sanding sheet with coarse grain.

Apply only light pressure to the machine so

that it runs at a higher stroke rate and high material removal is achieved.

5. Fine Sanding

Attach a sanding sheet with fine grain.

By lightly varying the application pressure or changing the orbital stroke rate, the sanding plate stroke rate can be reduced whereby the orbital action is maintained.

With moderate pressure, move the machine in a circular pattern or alternately in lengthwise and crosswise directions over the work piece.

Do not tilt the machine to avoid sanding through the work piece (e.g. when sanding veneer)



MAINTENANCE

- Before undertaking any work on the machine itself, pull the mains plug/unplug the power supply.
- For safe and proper working operation, always keep the machine and ventilation slots clean.
- Regularly check to see if any dust or foreign matter has entered the grills near the motor and around the on/off switch. Use a soft brush to remove any accumulated dust.
- Wear safety glasses to protect your eyes whilst cleaning.
- If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other such cleaning agents.
- Never use caustic agents to clean plastic part.
- Lubricate all moving parts at regular intervals.

⚠ CAUTION Water must never come into contact with the tool.

If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through the service organisation.

If the supply cord is damaged it must be replaced by a service agent or a similarly qualified person in order to avoid hazard.

PLUG REPLACEMENT

Your Power Tool is supplied with a fitted plug, however if you need to fit a new plug follow the instruction below.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

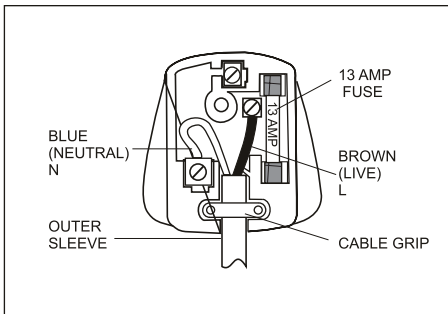
Blue = Neutral Brown = Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with **N**.

The wire which is coloured brown must be connected to the terminal which is marked with the letter **L**.

If a 13 AMP (BS 1363/A) Plug is used, a 13 AMP Fuse must be fitted, or if any other type of plug is used a 13 AMP Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.

DISPOSAL



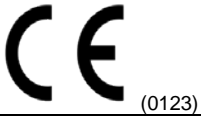
Do not dispose of electrical appliances with your domestic waste!

The packaging comprises exclusively environmentally- friendly material. Dispose of it in your local recycling containers.

GUARANTEE

This product is selected for DOMESTIC USE ONLY and not for business use. This product is guaranteed against manufacturing defects for a period of 12 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please contact the service centre for assistance on 08454 505299. If the item is shown to have an inherent defect present at the time of sale, you will be provided with a replacement. Your statutory rights remain unaffected.

Guarantor: Home Retail Group, MK9 2NW



EC Declaration of Conformity

Year of 1st Issue .
12

Argos Ltd

489-499 Avebury Boulevard
Saxon Gate West
Milton Keynes
Buckinghamshire
MK9 2NW

We hereby certify that the product stipulated above complies with all the relevant provisions of the following EC new approach directive/s.

This declaration of conformity is issued under the sole responsibility of the manufacturer

Type of Product: 135W Palm Detail Sander

Model Number: FS-CG-140X140X80-135A

Cat / Article Number: 7113897

Product Description:

Photograph:

Voltage: 230~240V
Power: 135W
Rated speed: 13000/min
Pad size: 140x140x80mm



Applicable EC Directives		
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<input checked="" type="checkbox"/>	2006/42/EC (MD)	<input checked="" type="checkbox"/>	2004/108/EC (EMC)	<input type="checkbox"/>	1999/5/EC (R&TTE)
<input checked="" type="checkbox"/>	2006/95/EC (LVD)	<input type="checkbox"/>	2009/105/EC (Pressure)	<input type="checkbox"/>	2000/14/EC Annex , 2005/88/EC
<input type="checkbox"/>	2009/125/EC (ErP)	<input type="checkbox"/>	2009/48/EC (Toys)	<input type="checkbox"/>	L _{WA} = 94dB(A), L _{PA} = 83dB(A), K=3dB(A)
<input type="checkbox"/>	2009/142/EC (Gas)	<input type="checkbox"/>	89/106/EEC (Construction)	<input type="checkbox"/>	/ /EC (Others)

Applicable Harmonized Standards:	Report Date	Verification of conformity Certificate	Notified Body
EN 60745-1/A11:2010 EN 60745-2-4:2009	2011-07-22	GS	TUV SUD
EN 55014-1/A1:2009 EN 55014-2/A2:2008 EN 61000-3-2/A2:2009 EN 61000-3-3:2008	2011-07-11	EMC	TUV SUD
EC Type approval certificate number			

Issued number: 1.0

Issued on : 2012-5-23

Signed : *R. Pantou-Kent*

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Position: QA

Position: Head of Quality Assurance