

# evOLUTION

HDG200 HEAT GUN

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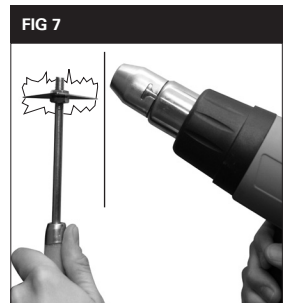
## Instruction Manual

Read instructions before operating this tool.

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## Instruction Manual

Read instructions before operating this tool.



### IMPORTANT SAFETY INSTRUCTIONS

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Please read these operating and safety instructions carefully and completely. For your own safety, if you are uncertain about any aspect of using this equipment please access the relevant Technical Helpline, the number of which can be found on the Evolution Power Tools website. We operate several Helplines throughout our worldwide organization, but Technical help is also available from your supplier.

WEB - [www.evolutionpowertools.com](http://www.evolutionpowertools.com)

EMAIL - [enquiries@evolutionpowertools.com](mailto:enquiries@evolutionpowertools.com)

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

### EVOLUTION LIMITED GUARANTEE

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Evolution Power Tools reserves the right to make improvements and modifications to the product design without prior notice. Please refer to the guarantee registration leaflet and/or the packaging for details of the terms and conditions of the guarantee.

Evolution Power Tools will, within the guarantee period, and from the original date of purchase, repair or replace any goods found to be defective in materials or workmanship. This guarantee is void if the tool being returned has been used beyond the recommendations in the Instruction Manual or if the machine has been damaged by accident, neglect, or improper service.

This guarantee does not apply to machines and / or components which have been altered, changed, or modified in any way, or subjected to use beyond recommended capacities and specifications. Electrical components are subject to respective manufacturers' warranties. All goods returned defective shall be returned prepaid freight to Evolution Power Tools. Evolution Power Tools reserves the right to optionally repair or replace it with the same or equivalent item.

There is no warranty – written or verbal – for consumable accessories such as (following list not exhaustive) blades, cutters, drills, chisels or paddles etc. In no event shall Evolution Power Tools be liable for loss or damage resulting directly or indirectly from the use of our merchandise or from any other cause. Evolution Power Tools is not liable for any costs incurred on such goods or consequential damages. No officer, employee or agent of Evolution Power Tools is authorized to make oral representations of fitness or to waive any of the foregoing terms of sale and none shall be binding on Evolution Power Tools.

Questions relating to this limited guarantee should be directed to the company's head office, or call the appropriate Helpline number.

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**GENERAL SAFETY RULES**

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**WARNING!** Read and understand all instructions before operating this product. Failure to follow all instructions listed below, may result in electric shock, fire and / or serious personal injury. For your own safety, read instruction manual before operating heat gun.

**1) WORK AREA SAFETY**

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) 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.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

**2) ELECTRICAL SAFETY**

- a) 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.
- b) 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.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) 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.
- e) 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.
- f) 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**

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) 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.
- g) 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.

**4) POWER TOOL USE AND CARE**

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) 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.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) 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.

5) SERVICE

a) Have your tool repaired by a qualified person. This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

b) When servicing a tool, use only genuine Evolution replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

ADDITIONAL SAFETY INSTRUCTIONS FOR HEAT GUNS

GENERAL

- Do not place your hand over the air vents or block the vents in any way.
- The nozzle and accessories of this tool become extremely hot during use. Let these parts cool down before touching.
- Always switch the tool unattended while it is switched on.
- A fire may arise if the appliance is not used with care.
- Heat may be conducted to combustible materials that are out of sight. Do not use in a damp atmosphere, where flammable gases may be present or near combustible materials.
- Allow the tool to cool fully before storing.
- Ensure adequate ventilation as toxic fumes may be produced.
- Do not use as a hairdryer.
- Do not obstruct either the air intake or nozzle outlet, as this may cause excessive heat build up resulting in damage to the tool.
- Do not direct the hot air blast at other people.
- Do not touch the metal nozzle as it becomes very hot during use and remains hot for up to 30 minutes after use.
- Do not place the nozzle against anything while using or immediately after use.
- Do not poke anything down the nozzle as it could give you an electric shock. Do not look down the nozzle while the unit is working because of the high temperatures produced.
- Don not allow paint to adhere to the nozzle or scraper as it could ignite after some time.

REMOVING PAINT

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- Do not use this tool to remove paint containing lead. The peelings, residue and vapours of paint may contain lead, which is poisonous. Any pre-1960 building may have been painted in the past with paint containing lead and covered with additional layers of paint. Once deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure even to low level of lead can cause irreversible damage to the brain and nervous system. Young and unborn children are particularly vulnerable.
- When removing paint. Use the scraper provided and keep the nozzle at least 25mm away from the painted surface. When working in a vertical direction, work downwards to prevent paint from falling into the tool and burning.
- Dispose of all paint debris safely and ensure that the work area is thoroughly cleaned after completing the work.

PACKAGE CONTENTS

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The package contains:

- 1 Heat Gun
- 1 Set of accessories
- 1 Instruction manual

- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

DESCRIPTION (FIG. 1)

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Your Evolution HDG200 Heatgun has been designed for stripping paint, soldering pipes, shrinking PVC, welding and bending plastics as well as general drying and thawing purposes.

1. On/off switch
2. Air vents
3. Air temperature adjustment system and display
4. Speed control button
5. Nozzle

**ASSEMBLY AND ADJUSTMENT**

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Prior to assembly and adjustment always unplug the tool

**MOUNTING THE CORRECT ACCESSORY**

This tool is supplied with a set of accessories for different applications.

Image	Description	Purpose
	Glass Protector Nozzle	Ensures direct heat is kept off glass.
	Reflector Nozzle	Wraps around a metal pipe to distribute the heat evenly around the pipe surface.
	Flat Nozzle	For spreading the hot air over a narrow area that is wide.
	Reducer Nozzle	Concentrates heat over small areas.
	Scraper	Stripping paint and varnish.

- Make sure that the tool is switched off and the nozzle has cooled down.
- Set the desired accessory onto the nozzle.

**INSTRUCTIONS FOR USE**

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- Always observe the safety instructions and applicable regulations.
- Use only one hand to hold the tool (fig. 2). Do not place your other hand over the air vents (fig. 3).

**PRIOR TO OPERATION:**

- Mount the correct accessory for the application.

**SWITCHING ON AND OFF (FIG. 4)**

- To switch the tool on, set the on/off switch to position 1.
- To switch the tool off, set the on/off switch to position 0.
- Let the heat gun cool down before moving or storing it.

**SETTING THE TEMPERATURE (FIG. 5)**

- Switch the tool on to position 1.
- Select -°C / +°C to decrease / increase the temperature.

The air temperature can be adjusted to suit a wide range of applications. The table below suggests settings for different applications.

Setting	Applications
Low (1st sector)	<ul style="list-style-type: none"> <li>• Drying paint and varnish</li> <li>• Removing stickers</li> <li>• Waxing and dewaxing</li> <li>• Drying wet timber prior to filling</li> <li>• Shrinking PVC wrapping and insulation tubes</li> <li>• Thawing frozen pipes</li> </ul>

Medium (2nd sector)	<ul style="list-style-type: none"> <li>• Welding plastics</li> <li>• Bending plastic pipes and sheets</li> <li>• Loosening rusted or tightly fastened nuts and bolts</li> </ul>
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High (3rd sector)	<ul style="list-style-type: none"> <li>• Removing paint, varnish and lacquer.</li> </ul>
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- If you are not sure about the correct setting, start with a low temperature setting and gradually increase the temperature until you achieve optimum results.

**ADJUSTING THE SPEED / AIRFLOW (FIG. 6)**

- Switch the tool on to position 1.
- Set to the desired temperature.
- To adjust the speed / airflow incrementally press the fast / slow button until required speed is found

To achieve a greater airflow repeat this stage with the on/off switch in position 2.

Alternatively, if the highest speed / airflow is required instantaneously, you can slide the on/off switch to position 3.

**STRIPPING PAINT (FIG. 7)**

- Mount an appropriate accessory.
- Switch the tool on.
- Set a high air temperature.
- Direct the hot air on to the paint to be removed.
- When the paint softens, scrape the paint away using the hand scraper.



- Do not strip metal window frames, as the heat may be conducted onto the glass and crack it.
- When stripping other window frames, use the glass protector nozzle.
- Do not keep the tool directed at one spot too long to prevent igniting the surface.
- Avoid collecting paint on the scraper accessory, as it may ignite. If necessary, carefully remove paint debris from the scraper accessory using a knife.

**COOLING DOWN**

The nozzle and accessory become very hot during use. Let them cool down before attempting to move or store the tool.

- To reduce the cooling time, switch the tool on at the lowest air temperature and let it run for a few minutes.
- Switch the tool off and let it cool down for at least 30 minutes.

Consultant your dealer / Evolution for further information on the appropriate accessories.

**MAINTENANCE**

Your Evolution Power Tool has been designed to operate over a long period of time requiring very little maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.



**LUBRICATION**

Your power tool requires no additional lubrication.



**CLEANING**

Keep the ventilation slots clear and regularly clean the housing with a soft cloth.

**EC - DECLARATION OF CONFORMITY**

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Congratulations on purchasing an Evolution Power Tool. Please complete and mail your product registration card. Doing so will validate your machine's warranty period and ensure prompt service if needed. We sincerely thank you for selecting a product from Evolution.

Technical Helpline UK: 0870 609 2297

**Technical Data**

HDG200	
Voltage	230v
Power input	2000w
Air temperature range (at nozzle)	50 – 630°C
Airflow speed	120-550 Ltr/min
Weight	0.8kg

The following symbols are used throughout this manual;



Denoted 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.

EC-Declaration of conformity



HDG200

We, Evolution Power Tools Limited, Venture One, Longacre Close, Sheffield, S20 3FR as the supplier of the product stated below:-

Evolution HDG200 Heat Gun

Declare that this Power Tool has been designed in compliance with: 98/37/EC, 2004/108/EC (valid until Apr 19th 2016), 2014/30/EU (effective from Apr 20th 2016), EN55014, EN50144, EN 60335, EN 61000-3-2 & EN 61000-3-3.

For more information, please contact Evolution at the address (above), or contact the technical helpline.

Level sound pressure according to 86/188/EEC & 98/37/EEC, measured according to EN 50144:

HDG200	
Lpa (sound pressure) db(A)*	75
Lwa (acoustic power) db(A)	88

\* at the operator's ear



Take appropriate measures for the protection of hearing if the sound pressure of 85 db(A) is exceeded.

Weighted root mean square acceleration value according to EN 50144:

HDG200<2.5 m/s<sup>2</sup>

All relevant technical documentation is held at Evolution Power Tools Ltd, Sheffield (UK).

Signed:



Print: Matthew Gavins - Group Chief Executive

Date: 01/03/16



# evolution

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