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**HG 6020**

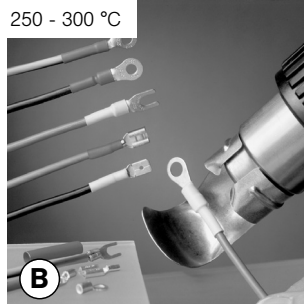


## HG 6020

500 - 600 °C



250 - 300 °C



250 - 500 °C



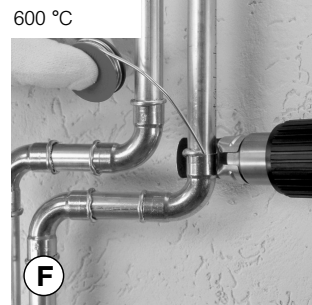
500 - 600 °C



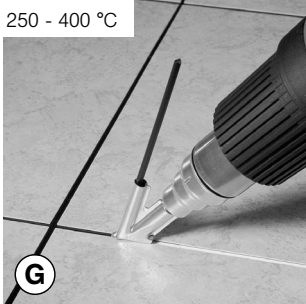
250 - 300 °C



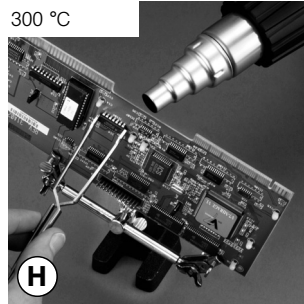
600 °C



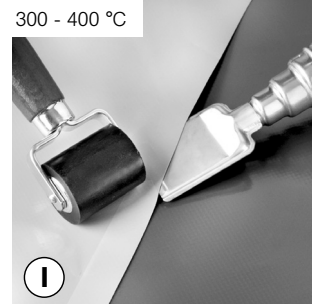
250 - 400 °C



300 °C



300 - 400 °C





## Thank you

for deciding to choose a Makita heat gun. This tool can be used for completing a wide range of jobs safely and reliably, such as soldering, welding PVC, shaping,

drying, shrink-fitting, stripping paint etc. All Makita tools are manufactured to the highest standards and undergo a strict process of quality control.

Used in the proper manner (please read the information on p. 8), this heat gun will give you lasting satisfaction.



## Tool elements

- |  |   |   |
|--|---|---|
| 1 Stainless steel outlet                                   | 4 Soft stand for stable, non-slip stationary work | 7 Thumbwheel for setting temperature          |
| 2 Air intake with lattice guard to keep out foreign matter | 5 Heavy-duty rubber-sheathed cord                 | 8 Pushbutton for setting temperature          |
| 3 Detachable guard sleeve (for poorly accessible places)   | 6 Air flow switch (2-stage/3-stage)               | 9 Temperature monitor LCD                     |
|  |   | 10 Soft grip handle for comfortable operation |





## Technical specifications

	HG 6020			HG 6020		
Mains voltage	120– 127 V, 50-60 Hz			230 – 240 V, 50-60 Hz		
Output	1500 W			2000 W		
Stage	1	2	3	1	2	3
Airflow (l/min)	100	215	350	150	300	500
Temperature (°C)	50	50 – 600		50	50 – 600	
Temperature setting	continuous in 9 steps by thumbwheel			continuous in 9 steps by thumbwheel		
Temperature display	–			–		
Protection class (without earth terminal)	II			II		
Overheating protection	thermal cut-out only			thermal cut-out only		
Subject to technical modifications						

## CE Declaration of Conformity

This product complies with:  
Low Voltage Directive 2006/95/EC / EMC Directive 2004/108/EC / RoHS Directive 2011/65/EC.

## Features - Getting started

**Please note:** The distance from the object you are working on depends on material and intended method of working. Always try out the airflow and temperature on a test piece first! Using the attachable accessory nozzles (see accessories page on the cover) the flow of hot air can be controlled with maximum precision.  
**Take care when changing hot nozzles!** When using the heat gun in the self-resting position, make sure it is standing on a stable, non-slip and clean surface.

### HG 6020

The tool is switched ON and OFF at the two-stage switch **(6)** on the back of the grip handle. In addition to three-stage speed/airflow control (stage 1 is a cold-air stage at 50 °C ), temperature can be continuously adjusted over a range of 50 °C – 600 °C at the thumbwheel **(7)**. The numbers (1 to 9) on the thumbwheel serve as a guide only. Whereas "1" means 50 °C, the maximum temperature of 600 °C is attained at "9". Airflow can be adjusted to the three stages. The guard sleeve **(3)** detaches at a bayonet catch.

Temperature Dial Setting	Temperature Range °F	Temperature Range °C	Sample Applications
1	100 – 160 °F	38 – 71 °C	cleaning surfaces
2	200 – 300 °F	93 – 149 °C	activating adhesives
3	375 – 475 °F	191 – 246 °C	shaping/removing flooring materials
4	475 – 575 °F	246 – 302 °C	welding PE, LDPE, PP, thawing pipes
5	600 – 700 °F	316 – 371 °C	welding ABS, PBT, PC; lap welding plastic sheeting
6	725 – 825 °F	385 – 441 °C	de-soldering circuit boards
7	850 – 950 °F	454 – 510 °C	stripping paint, loosening nuts/screws
8	975 – 1075 °F	524 – 579 °C	de-soldering copper pipes
9	1025 – 1125 °F	552 – 607 °C	soldering





## Safety warnings

**Read and observe this information before using the tool. Failure to observe the operating instructions may result in the tool becoming a source of danger.**

When using electric power tools, observe the following basic safety precautions to avoid electric shock and the risk of injury and fire. Fire may be caused if the tool is not used with care.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

**Take ambient conditions into account.**



Do not expose electric power tools to rain.

Do not use electric power tools when they are damp or in a damp or wet environment.

Exercise care when using the tool in the proximity of flammable materials. Do not direct hot air onto the same spot for any prolonged period.

Do not use in the presence of an explosive atmosphere.

Heat may be conducted to flammable materials that are out of sight.

**Protect yourself from electric shock.**



Avoid touching earthed objects, such as pipes, radiators, cookers or refrigerators. Do not leave the tool unattended while in operation.

**Store your tools in a safe place.**



Always store tool upwards resting on its back after use so that remaining heat in the unit can extract. Allow to cool down before putting tool away.

Tools that are not in use should be stored in a dry, locked room and out of the reach of children.

**Do not overload your tools.**



Work results and safety will be enhanced if you stay within the specified output range.

After using the tool for a prolonged period at maximum temperature, you should reduce the temperature before switching the tool off. This will prolong the life of the heating element.

Do not carry the tool by the power cord. Do not unplug the tool by pulling on the power cord. Protect the power cord from heat, oil and sharp edges.

**Beware of toxic gases and fire hazards.**



Toxic gases may occur when working on plastics, paints, varnishes or similar materials. Beware of fire and ignition hazards.

For your own safety, use only accessories and attachments that are specified in the operating instructions or recommended or specified by the tool manufacturer. Using attachments or accessories other than those recommended in the operating instructions or catalogue may result in personal injury.

**Repairs must only be carried out by a qualified electrician.**



This electric power tool complies with the relevant safety regulations. Repairs must only be performed by a qualified electrician, otherwise the user may run the risk of accidents.

**Keep these safety warnings in a safe place.**



## Applications

Here are some of the applications you can use Makita heat guns for. This selection is by no means exhaustive – no doubt you can immediately think of other examples.

**A Stripping paint:** Paint is softened and can be removed with a stripping knife and paint scraper to leave a clean surface.

**B Shrinking tubing on cables:** The shrink tubing is slipped over the section you want to insulate and heated with hot air. The tubing shrinks by approx. 50% in diameter to give a sealed union. Shrinking is particularly fast and even using reflector nozzles. Sealing and stabilising cable breaks, insulating soldered joints, gathering cable runs, sheathing terminal blocks.

**C Forming PVC:** Sheeting, piping or ski boots can be softened and formed with hot air.

**D Lighting the barbecue:** Gets charcoal glowing in next to no time; no more waiting.

**E Thawing:** Water pipes, frozen door locks, steps. Gently thaws and dries all in one go.

**F Soft soldering:** First, clean metal parts you want to join. Then, using hot air, heat the point you want to solder and offer up the soldering wire. Use flux or a soldering wire with a flux core to prevent oxide forming.

**G Welding and joining plastic:** All parts being welded must be of the same plastic material. Use an appropriate welding rod.

**H Electronic components** from damaged circuit boards can be desoldered using hot air (approx. 400 °C) and the reduction nozzle.

**I Joining sheeting:** The sheets are overlapped and welded together. A slit nozzle is used to direct hot air under the overlap, then the two sheets are firmly pressed together with a feed roller. Also possible: **Repairing PVC tarpaulins** by overlap welding with a slit nozzle.

Material	Application types	Distinguishing characteristics
<b>Rigid PVC</b>	Pipes, fittings, sheets, building profiles, technical mouldings Welding temperature 300 °C	Carbonises in the flame, pungent odour; crashing sound
<b>Plasticised PVC</b>	Floor coverings, wallpapers, hoses, sheets, toys Welding temperature 400 °C	Smoking, yellowish-green flame, pungent odour; silent
<b>Soft PE</b> (LDPE) Polyethylene	Domestic and electrotechnical articles, toys Welding temperature 250 °C	Light yellow flame, drips continue to burn, smells of a candle being extinguished; dull sound
<b>Hard PE</b> (HDPE) Polyethylene	Baths, baskets, canisters, insulating material, pipes Welding temperature 300 °C	Light yellow flame, drips continue to burn, smells of a candle being extinguished; crashing sound
<b>PP</b> Polypropylene	HT drainage pipes, moulded seats, packaging, car components Welding temperature 250 °C	bright flame with a blue core, drips continue to burn, pungent odour; crashing sound
<b>ABS</b>	Car components, equipment housings, cases Welding temperature 350 °C	black, fluffy smoke, sweet odour; crashing sound





## J Accessories

Your dealer has a wide range of accessories for you to choose from.



### Nozzle for lighting barbecues

Lights charcoal quickly and safely without using chemicals.



### Wide-slit nozzle

For welding tarpaulin, groundsheets etc. Can be fitted to a 14 mm reduction nozzle.



### Slit nozzle

For welding tarpaulin, groundsheets etc. Can be fitted to a 9 mm reduction nozzle.



### Welding nozzle

For working with plastic welding rod up to 6 mm in dia. Can be fitted to a 9 mm reduction nozzle.



### Soldering reflector nozzle

For soldering and shrink-fitting soldering sleeves and heat shrinkable sleeves.



### Reduction nozzle 9 mm

Focused source of hot air for desoldering and welding PVC.



### Reduction nozzle 14 mm

Focused source of hot air for desoldering and welding PVC.



### Reduction nozzle 20 mm

Focused jet of heat, e.g. for edgebanding.



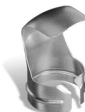
### Surface nozzle 75 mm

Spreads air over wider area for drying, paint stripping etc.



### Surface nozzle 50 mm

Spreads air over smaller areas, e.g. for waxing skis.



### Reflector nozzle

For soldering pipes and fitting shrink-fit sleeves.



### Feed roller

For edgebands and welding PVC sheets.



### Paint scraper set

Complete kit for stripping paint, including replacement blade holder, replacement blades and paint scraper.



### Plastic welding rod

For securely welding plasticised PVC



### Plastic welding rod

For securely welding LDPE plastics

### Plastic welding rod

For securely welding rigid PVC

### Plastic welding rod

For securely welding HDPE plastics

