

# metabo®

**H 1600**  
**HE 2000**  
**HE 2300 Control**



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Erhard Krauß, Geschäftsführung  
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**HE 2300 Control**

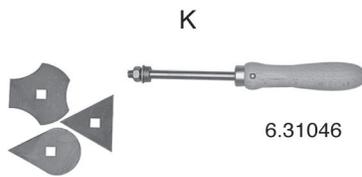
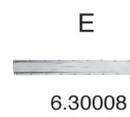
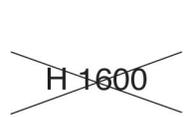


**HE 2000**



**H 1600**





# Operating Instructions

Dear Customer,

Many thanks for the confidence you have shown in us with the purchase of your new Metabo power tool. Every Metabo power tool is carefully tested and is subjected to the strict quality controls of the Metabo Quality Assurance section. However, the service life of any power tool is to a great degree dependent on yourself as the user. Please take account of the information contained in these Operating Instructions and the accompanying documents. The more care you exercise in handling your Metabo power tool, the longer will be the reliable service it provides for you.

## Contents

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## 1 Declaration of Compliance

On our own responsibility, we hereby declare that this product complies with the standards or standardsetting documents listed on page 2.

## 2 Proper Use

The hot-air blower is designed for the following uses:

- stripping old paint
- drying new coats of paint
- thawing frozen water pipes
- heating plastics prior to bending
- brazing (e.g. copper pipes)
- gluing and jointing with hot-melt-type adhesives, welding plastics.

This tool is not designed for use by persons (including children) with physical, sensory or mental disabilities, or with insufficient experience and/or knowledge, unless they are supervised by a person responsible for their safety, or have received instructions on how to use the tool by this person.

The operator bears sole responsibility for any damage caused by inappropriate use.  
The generally recognised accident prevention

regulations and the accompanying safety instructions must be observed.

## 3 General Safety Rules



**WARNING** – Reading the operating instructions will reduce the risk of injury.



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

**Keep all safety instructions and information for future reference.**

Before using the power tool, carefully read through and familiarise yourself with all the enclosed safety information and the Operating Instructions. Keep all enclosed documentation for future reference, and pass on your power tool only together with this documentation.

## 4 Special Safety Instructions



Pay particular attention to the parts of the text marked with this symbol for your own safety and the protection of your power tool



Never look into the blower nozzle.



Do not aim the hot-air blower at easily flammable materials. Careless use of the hot-air blower may result in fire.

Never use the hot-air blower to dry hair.

Always wear safety goggles and protective gloves.

Exercise great care when using the hot-air blower in the vicinity of flammable materials or explosive gases.

Do not keep the hot-air blower trained on a single spot for more than a short period of time.

Be aware that heat can be transferred to flammable materials outside the operator's line of vision.

Use the hot-air blower in well-ventilated spaces only.

Do not inhale any vapours released during operation.

Do not leave the hot-air blower unattended when in use.

After use, place the hot-air blower on its bearing surfaces and allow to cool down before returning it to its storage location.

Warning: to prevent any risk of burns avoid touching the blower nozzle.

Children should be supervised to ensure that they do not play with the tool.

## 5 Overview

Refer to illustrations on page 3.

- 1 (HE 2300 Control) LCD temperature display
- 2 Non-slip bearing surfaces on housing
- 3 Air filter
- 4 (HE 2000, HE 2300 Control) Switch (two-part)  
Air temperature and air volume can be set independently of each other.  
(H 1600)  
Slide-switch for setting air temperature and air volume

## 6 Operation



**Before initial use, check that the mains voltage and mains frequency stated on the rating plate match the figures for your own mains supply.**



**Avoid overheating:**  
- **Do not work with the air filters obstructed.** Clean the air filters in good time.  
- **Do not obstruct the blow-out pipe.** Maintain a minimum distance of 4 cm to the workpiece and do not direct the air jet vertically onto the workpiece.

### Stationary use

To use the hot-air blower in a stationary position, set it up on its non-slip bearing surfaces (2).

### H 1600

Use the slide-switch (4) to switch the tool on and off and to select one of the three blower and temperature settings.

### HE 2000, HE 2300 Control

Use the two-part switch (4) to set the temperature and air volume settings independently of each other.

Use the black slide-switch to switch the tool on and off and to select one of the three blower settings.

Use the red slide to continuously adjust the air temperature to any setting within its range.

The electronic system serves to monitor temperature and thus protects the heating coil.

### HE 2300 Control

The pre-selected air temperature can be read in the LCD temperature display (1).

After the temperature has been pre-selected, the display shows the temperature of the emerging air after 3 seconds (displayed in 10°C increments).

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### Blower stage I:

The cold blower stage  
- accelerates the cooling down of a previously warmed workpiece and  
- accelerates the cooling down of the device itself after working.

### Blower stage II:

The first warm blower stage (operating with a reduced fan speed) is used to carefully warm up a workpiece.  
Heating the air causes it to expand, i.e. it increases in volume, thus increasing air throughput.

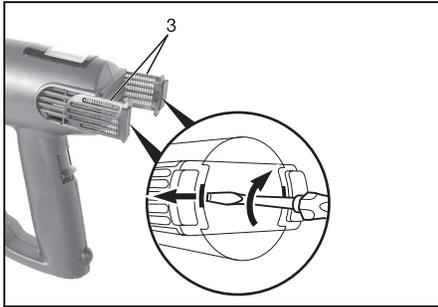
### Blower stage III:

The second warm blower stage provides maximum air throughput.

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## 7 Maintenance

### Cleaning the air filter



Disengage the air filter (3) with a flat-headed screwdriver and pull out of the tool. Use hot water and a brush to clean the filter. Allow to dry thoroughly and replace in the tool.

## 8 Troubleshooting

**HE 2300 Control:** Switching on procedures produce brief reductions in voltage. Unfavourable power conditions can be detrimental to other devices. Power impedances smaller than 0.4 ohm should not cause any malfunction.

## 9 Accessories

Use original Metabo accessories only.

Your Metabo dealer will supply you with any accessories you may require.

To assist in selecting the correct accessories, make sure that you take a note of the exact model of your tool for your dealer

See illustration on page 4 for available accessories.

- A Wide-jet nozzle  
drying, stripping old paint
- B Deflector nozzle  
stripping old paint from window frames
- C Air-wrap nozzle  
heating plastic prior to bending,  
shrinking on shrink-fit plastic sleeves
- D Slit nozzle  
overlap welding of PVC tarpaulins and sheeting
- E Cutting nozzle  
making straight and curved cuts in rigid plastic foam (e.g. expanded polystyrene)
- F Welding nozzle

- G Reducing nozzle  
(HE 2000, HE 2300 Control only)  
for precision spot-heating  
(e.g. brazing and welding points)
- H Butt-welding heater  
butt-welding plastic components  
The parts to be welded are pressed against the faces of the heater until the material reaches its melting point. They are then pulled off and pressed together.
- I Shrink-fit plastic sleeves  
shrinking on cable ends, wiring harnesses, etc. by heating the sleeves with the air-wrap nozzle
- J Plastic welding wire  
for welding jobs
- K Paint-scraper kit

For complete range of accessories, see [www.metabo.com](http://www.metabo.com) or the main catalogue.

## 10 Repairs

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

Any Metabo power tools in need of repair can be sent to one of the addresses listed in the spare parts list.

Please send the tool for repair with a brief description of the fault identified.

## 11 Environmental Protection

Metabo packaging is 100% suitable for recycling.

Power tools and accessories at the end of their service life still contain large amounts of valuable raw materials and plastics which can likewise be fed back into a recycling process.

These Operating Instructions are printed on paper produced in a chlorine-free bleaching process.



Only for EU countries: Never dispose of power tools in your household waste!  
In accordance with European Guideline 2002/96/EC on used electronic and electric equipment and its implementation in national legal systems, used power tools must be collected separately and handed in for environmentally compatible recycling.

## 12 Technical Specifications

### H 1600

Nominal power (230V) = 1600 W  
Nominal power (120V) = 1400 W  
Rated 120V AC 60c/s = 13 amps

**ENG** ENGLISH

Air temperature = Setting 1: 50 °C  
120 °F  
Setting 2: 350 °C  
660 °F  
Setting 3: 550 °C  
1000 °F

Air volume = Setting 0: Off  
Setting 1: 250 l/min  
8.8 cfpm  
Setting 2: 350 l/min  
12.4 cfpm  
Setting 3: 500 l/min  
17.7 cfpm

Temperature display = -

Weight = 0.70 kg

Acoustic pressure level = < 70 dB (A)

Vibration = < 2.5 m/s<sup>2</sup>

**HE 2000**

Nominal power (230V) = 2000 W  
Nominal power (120V) = 1500 W  
Rated 120V AC 60c/s = 15 amps

Air temperature = Setting 1: 50 °C  
120 °F  
Setting 2: 50-600 °C  
120-1100 °F  
Setting 3: 50-600 °C  
120-1100 °F

Air volume = Setting 0: Off  
Setting 1: 250 l/min  
8.8 cfpm  
Setting 2: 270 l/min  
9.5 cfpm  
Setting 3: 500 l/min  
17.7 cfpm

Temperature display = -

Weight = 0.75 kg

Acoustic pressure level = < 70 dB (A)

Vibration = < 2.5 m/s<sup>2</sup>

**HE 2300 Control**

Nominal power (230V) = 2300 W  
Nominal power (120V) = 1500 W  
Rated 120V AC 60c/s = 15 amps

Air temperature = Setting 1: 50 °C  
120 °F  
Setting 2: 50-650 °C  
120-1200 °F  
Setting 3: 50-650 °C  
120-1200 °F

Air volume = Setting 0: Off  
Setting 1: 250 l/min  
8.8 cfpm  
Setting 2: 270 l/min  
9.5 cfpm  
Setting 3: 500 l/min  
17.7 cfpm

Temperature display = LCD display

Weight = 0.75 kg

Acoustic pressure level = < 70 dB (A)

Vibration = < 2.5 m/s<sup>2</sup>

We reserve the right to undertake modifications to reflect technical advances.

Measured values established according to EN 60745. The stated technical specifications are subject to tolerances (as specified in the respective current standards).

**metabo**<sup>®</sup>

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