

SAFETY



Danger of life, when opening the tool, as live components and connections are exposed. . The device must be fully disconnected from the mains before opening. Electric work shall only be operated by qualified personal (according to TRBS 1203).



Risk of fire and explosion if the hot air blower is installed and used incorrectly, particularly near flammable materials and explosive gases. **Not suitable for hazardous locations!** The minimal air flow must not be undercut.



Risk of burns! Do not touch heating element pipes and nozzles used when hot. Let the device cool down. Do not point the hot air jet at persons or animals..



The mains voltage specified on the device's type plate must correspond to the mains voltage. Tools with a fix connection must be connected to a separator (e.g. mains switch).
Special connecting conditions: $Z_{max} = 0,039\Omega + j0,025\Omega$ for short time rating (30 minutes);
according to IEC/EN 61000-3-11; $Z_{max} = 0,026\Omega + j0,016\Omega$ for continuous operation.
Consult your local electricity board if necessary..



GFCI/RCCB: for personal protection on building sites we strongly recommend to connect the tool to a GFCI (Ground Fault Circuit Interrupter) or to a RCCB (Residual Current Circuit Breaker).



Device in protection class II"



The device must be supervised when in operation. The heat can reach flammable materials that are out of view.



Protect the device from damp and wet!

WARRANTY AND LIABILITY

Warranty and liability apply from the date of purchase (documented by the invoice/delivery note) according to the currently valid general terms of business of H E R Z GmbH.

H E R Z refuses any warranty for devices that are not in their original condition.

H E R Z – devices may never be converted and/or modified.

H E R Z reserves the right to deny any responsibility if this is ignored.

No liability can be assumed by H E R Z for incorrect installation and/or use as well as natural wear and tear of the device (e.g. heating elements).

Note:

This operating manual must be available to the installing and operating personnel at all times. Please read this operating manual carefully before installing and commissioning the device.

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CONVENTIONAL APPLICATION

This H E R Z – Hot air blower is a modular unit which creates process heat in industrial environments. The device is suitable for continuous operation. The blower can be used as hand tool, bench tool or can be built into machines and installations.

Their installation and the working process shall only occur after observance of every safety arrangement for the provided place of installation and application. The accordance with the effective edition of the equipment and operations safety (GPSG) and the machine standards (MRL) must be guaranteed.

INSTALLATION

- 1.0. **INSTALLATION / Connection (only be conducted by a qualified person)
(thermal security class 1 according to EN 60519-1, paragraph 13.8)**
- 1.1. When installing the tool, ensure that:
 - the electrical protection is aligned to the nominal current.
 - only cold air up to a max. of 50°C / 1220°F is fed to the device.
 - no (warm air) back pressure develops.
 - the air intake (9) is not covered and the tool can take in the air unhindered.
 - the device is not positioned within the hot air jet of a different device.
- 1.2. When built in vertical (Blow off opening downwards) it is important that the device cannot suck in hot air !!!
- 1.3. Protect the device from vibration and shock! Use absorbability at mechanical motion.
- 1.4. When fixing, the thread inserts M5 (11) on the underside of the device should be used.
- 1.5. At high foaling of the intake air (e.g. textile factory) a H E R Z – stainless steel filter should be used.

- 2.0. **AIR SUPPLY**
- 2.1. To protect the device and heating element the minimum air volume must flow. Never exceed the max. temperature. (Measured at the hottest point 3mm from the air outlet (8)).
- 2.2. If the minimum air flow is undercut, the heater power must be stopped immediately. Please pay attention to the fouling at the air intake (9) and at optionally used filters.

- 3.0. **OPERATION**
- 3.1. Make sure that the hot air can flow freely. Warmth backflow can occur damage on the device (risk of fire!).
- 3.2. Allow the blower to cool the unit after using.

STANDARD DESIGN

The hot air blower is equipped with control electronics to control the temperature and the speed level. It is also provided with a built-in potentiometer as well as an integrated heating element and device protection .

SPECIAL DESIGNS

- Temperature control via external potentiometer, controller or SPS.
- Air quantity control with external potentiometer, 0-10 VDC or PWM signal
- Internal temperature control unit
- Internal or external thermocouple
- Special heating elements (power, voltage)

INFORMATION AND ADVICE

The H E R Z Group and their authorized Service Centres offer free advice and assistance for application technology. .
Our experts will be pleased to help you with your problems.

ACCESSORIES

Get the best results by using H E R Z – accessories and spare parts.
Further information can be found in our brochures.

MAINTENANCE

Control and clean the air intake (9) and the optional H E R Z stainless steel filter of the device regularly..
Check power supply cord and plug for any possible mechanical damages..

SERVICE AND REPAIR

Repairs should only be carried out by authorized H E R Z Service Centres. These guarantee a professional and reliable 24-hour repair service with original spare parts. A heating element can be changed by qualified personal.
If the mains connection of the device is damaged, it should be replaced by the manufacturer, from an authorized H E R Z Service Centre or a qualified person to avoid danger.

DISPATCH

Please return the device for repairs to your nearest H E R Z Service Centre packaged suitable for transport..

!!! This must be sent carriage-free !!!

Technical data and specifications are subject to change without prior notice..
In case of doubt, please consult H E R Z.

CE – CONFORMITY DECLARATION

<p>HERZ Austria GmbH Kunststoff- & Wärmetechnologie Gleinser Weg 27 A - 6141 Schönberg / Tirol Tel.: +43 / 5225 / 6 31 13 Fax: +43 / 5225 / 6 31 13 85 Internet: www.herz-gmbh.com Email: herz.schoenberg@herz-gmbh.com</p>	<p>We declare with sole responsibility that the hot air blower complies with the standards or normative documents listed below:</p> <p>EMV: EN 61000-6-2:2005 EN 61000-6-4:2001 EN 61000-3-2 :2006 EN 61000-3-11:2000</p> <p>Device safety: EN 60519-1 EN 60519-2 EN 60335-1</p> <p>This guarantees conformity with the terms of the 2004/108/EG EMV-Directive 2006/95/EG Low-Voltage Directive</p> <p>The installation and the operation shall only occur after consideration of all safety systems for the provided place of installation and application purpose.</p> <p>The accordance with the effective edition of the equipment and operations safety (GPSG) and the machine standards (MRL) must be ensured from the operator before installing the device. The operator must be able to declare the conformity of the device.</p> <p>This declaration loses its validity when changes at the device have been made..</p>
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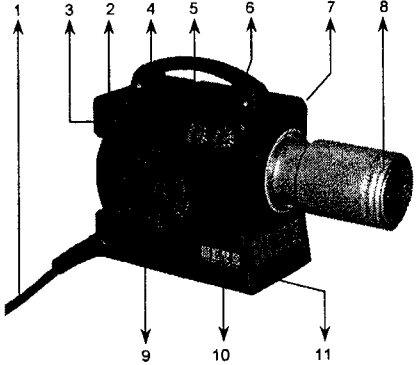
Franz-Josef Herz (Managing director)
Schönberg, 30.Juni 2008

TECHNICAL DATA

Technical Data:		C-2300	C-3100	C-3700	C-4700
Voltage	VAC	230			400 (2Ph)
Frequency	Hz	50 / 60			
Power	kW	2,3	3,1	3,7	4,7
Electricity	A	10	13,5	16	11,8
Max. temperature	°C	650	800	650	
Min. air volume	l/min	400	350	400	
Max. air volume at 20°	l/min	930	650	930	960
Max. temperature at full air volume	l/min	260	520	440	480
Stat. pressure	Pa	450			
Noise level	LpA (db)	73 (at a distance of 1m)			
Air inlet	Ø mm	102,5			
Blow off opening	Ø mm	55			
Dimensions	(LxWxH) mm	322 x 138 x 180	360 x 138 x 180	322 x 138 x 180	360 x 138 x 180
Weight incl. cable	kg	2,8	3,1	2,8	3,1
Conformity symbol		CE			
Protection class II		□			

!!! Please ask for special heating elements (power, voltage) !!!

DEVICE DESCRIPTION



1. Power supply cord
2. Blower ON – OFF
3. Heater ON – OFF
4. Removable handle
5. Potentiometer for air volume control
6. Potentiometer for temperature control
7. Type plate (back side of the device)
8. Heating element tube
9. Air intake
10. Installation regulator (optional)
11. Six M5 drilled and tapped holes for fixing into installation (Dimensions on the underside of the device)

Your service centre:

www.herz-gmbh.com

Illustrations and sketches may differ from the original device.
Subject to changes without prior notice.