

# Einhell

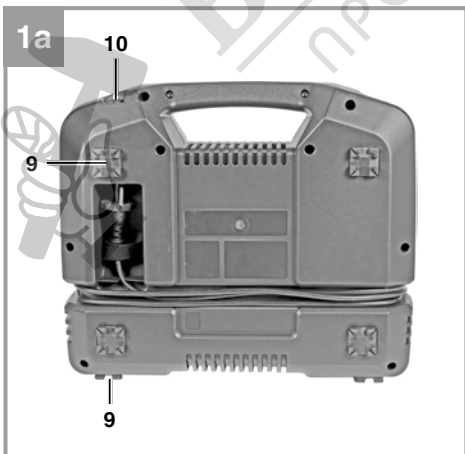
## TC-AC 190 OF Set

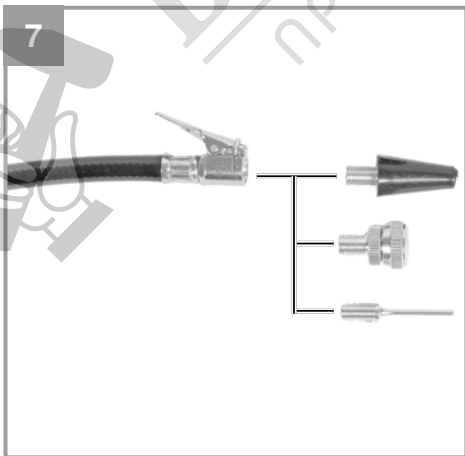
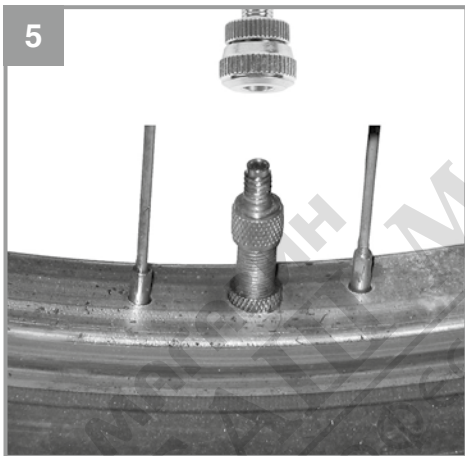
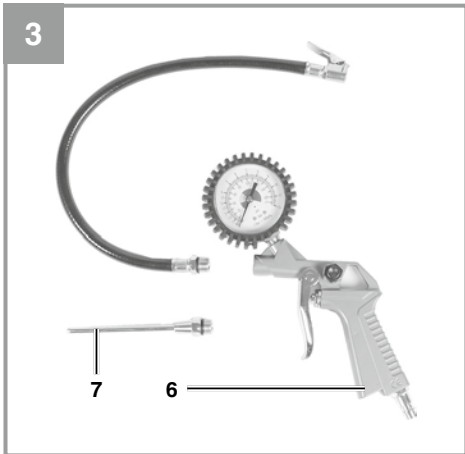
D	Originalbetriebsanleitung Koffer-Kompressor	NL	Originele handleiding Koffer compressor
GB	Original operating instructions Portable compressor	E	Manual de instrucciones original Compresor de maleta
F	Instructions d'origine Coffret compresseur	FIN	Alkuperäiskäyttöohje Kantolaukku-kompressor
I	Istruzioni per l'uso originali Compressore a valigetta	SLO	Originalna navodila za uporabo Kompresor v kovčku
DK/ N	Original betjeningsvejledning Kuffert-kompressor	H	Eredeti használati utasítás Koffer-kompresszor
S	Original-bruksanvisning Portabel kompressor	RO	Instrucțiuni de utilizare originale Compresor valiză
CZ	Originální návod k obsluze Kufříkový kompresor	GR	Πρωτότυπες Οδηγίες χρήσης Συμπιεστής σε βαλιτσάκι
SK	Originálny návod na obsluhu Kufříkový kompresor		



Art.-Nr.: 40.206.60

I.-Nr.: 21020







**Danger!** - Read the operating instructions to reduce the risk of injury



**Caution! Wear ear-muffs.** The impact of noise can cause damage to hearing.



**Beware of electrical voltage!**



**Beware of hot parts!**



**Warning!** The equipment is remote-controlled and may start-up without warning.



МАГАЗИН МАЙСТОРА  
БАШ МАЙСТОРА  
ПРОФЕСИОНАЛНИ РЕШЕНИЯ

**Danger!**

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.


**1. Safety regulations****Danger!****Read all safety regulations and instructions.**

Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury.

**Keep all safety regulations and instructions in a safe place for future use.**

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.

**Danger! The following basic safety actions must be taken when using this compressor in order to protect the user from electric shocks and the risk of injury and fire. Read and follow these instructions before using the equipment.**

- **Keep your work area tidy**  
Untidy work areas can result in accidents.
- **Check the ambient conditions**  
Do not expose the compressor to rain. Never use the compressor in damp or wet locations. There is a risk of electric shock! Provide good lighting. Do not use the compressor near flammable liquids or gases. There is a risk of explosion!
- **Protect yourself against electric shocks**  
Avoid bodily contact with earthed parts, e.g. pipes, radiators, cookers and refrigerators.
- **Keep children away!**  
Do not allow other persons to touch the compressor or cable, keep them away from your work area.
- **Keep your compressor in a safe place**  
When unused, the compressor must be stored in a dry, locked room out of children's reach.
- **Do not overload your compressor**   
It will run better and safer within its quoted capacity range.
- **Wear suitable work clothes**  
Never wear loose fitting clothes or jewellery. They may get caught in moving parts. Rubber gloves and non-slip shoes are recommended when working outdoors. Wear a hair net if you have long hair. Risk of injury!
- **Do not use the cable for purposes other than that for which it is designed**  
Do not carry the compressor by its cable and do not use the cable to pull the plug out of the socket. Protect the cable from heat, oil and sharp edges. The cable/plug could become damaged.
- **Take care of your compressor**  
Keep your compressor clean in order to work well and safely. Follow the maintenance instructions. Check the power plug and cable on a regular basis and have them replaced by an authorized specialist if they are damaged. Check the extension cable regularly and replace it if damaged.
- **Pull out the power plug**  
When not in use and before carrying out any maintenance work.
- **Avoid unintentional starting**  
Make sure that the switch is turned off when connecting to the power supply.
- **When using an extension cable outdoors**  
Check that it is approved for outdoor duty and is marked accordingly.
- **Be alert at all times**  
Watch what you are doing. Use common sense when working. Never use the compressor when you are distracted.
- **Check your compressor for damage**  
Before using the compressor again, carefully check the safety devices and any slightly damaged parts to ensure that they are in good working order. Check that the moving parts are working correctly, that they do not jam, and that no parts are damaged. Make sure that all parts are fitted correctly to ensure that the equipment remains safe to use. Unless otherwise stated in the operating instructions, damaged guards and parts have to be repaired or replaced by a customer service

workshop. Damaged switches have to be replaced by a customer service workshop. Never use an electric power tool with a switch that cannot be turned on and off.

- **Important!**

For your own safety you must only use the accessories and additional units listed in the operating instructions or recommended or specified by the manufacturer. The use of mounted tools or accessories other than those recommended in the operating instructions or catalog may place your personal safety at risk.

- **Leave all repairs to a qualified electrician**  
Repairs must be left strictly to qualified electricians or the user might suffer an accident.

- **Noise**

Wear ear muffs when you use the compressor.

- **Replacing the power cable**

To prevent hazards, leave the replacement of damaged power cables strictly to the manufacturer or a qualified electrician. There is a risk of electric shock!

- **Inflating tires**

Directly after inflating tires, check the pressure with a suitable pressure gauge, for example at your filling station.

- **Roadworthy compressors for building site operations**

Make sure that all lines and fittings are suitable for the maximum permissible operating pressure of the compressor.

- **Place of installation**

Set up the compressor on an even surface.

### **Safety instructions for working with compressed air and blasting guns**

- The compressor pump and lines can become very hot during operation. Touching these parts will burn you.

The air which is sucked in by the compressor must be kept free of impurities that could cause fires or explosions in the compressor pump.

- When releasing the hose coupling, hold the hose coupling piece with your hand. This way, you can protect yourself against injury from the rebounding hose.
- Wear safety goggles when working with the blow-out pistol. Foreign bodies or blown off parts can easily cause injuries.
- Do not blow at people with the blow-out pistol and do not clean clothes while being worn. Risk of injury!

## **2. Layout and items supplied**

### **2.1 Layout (Fig. 1-3)**

1. Housing
2. Accessory compartment
3. Compressed air hose with quick-lock coupling
4. On/Off switch
5. Transport handle
6. Tire inflation meter
7. Blow-out adapter
8. Accessory compartment for adapter set
9. Foot
10. Holder for tire pressure gauge

### **2.2 Items supplied**

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

### **Danger!**

**The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!**

- Compressor
- Tire inflation meter
- Blow-out adapter
- 3-piece adapter set
- Original operating instructions

### 3. Proper use

The compressor is designed to generate compressed air for compressed air driven tools.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

### 4. Technical data

Mains connection: ..... 220-240 V ~ 50 Hz  
 Motor rating: ..... 1.1 kW S3 15%  
 Idling speed n0 (pump) ..... 3750 min<sup>-1</sup>  
 Idling speed n0 (motor) ..... 15000 min<sup>-1</sup>  
 Operating pressure bar: ..... max. 8  
 Theoretical suction rate l/min.: ..... 190  
 Output (compressed air) at 7 bar: ..... 55 liters/min  
 Output (compressed air) at 4 bar: ..... 83 liters/min  
 Sound power level LWA in dB: ..... 97  
 Uncertainty KWA ..... 1.91 dB  
 Sound pressure level LpA in dB: ..... 76  
 Uncertainty KpA ..... 1.91 dB  
 Protection type: ..... IP20  
 Weight of the unit in kg: ..... approx. 5.3 kg  
 Protection class: ..... II/□

#### **Danger!**

#### **Sound and vibration**

Sound and vibration values were measured in accordance with EN ISO 3744.

Operating mode S3 - 15% - 10min: S3 = Intermittent mode without influencing the starting process. This means that during a period of 10 min the max. operating time is 15% (1.5 min).

### 5. Before using the equipment

Before you connect the equipment to the power supply make sure that the data on the rating plate are identical to the supply voltage.

- Check the equipment for damage which may have occurred in transit. Report any damage immediately to the transport company which was used to deliver the compressor.
- Install the compressor in the vicinity of the point of consumption.
- Avoid long air lines and supply lines (extension cables).
- Make sure that the intake air is dry and dust-free.
- Do not install the compressor in a damp or wet room.
- The compressor may only be used in suitable rooms (with good ventilation and an ambient temperature from +5 °C to 40 °C). There must be no dust, acids, vapors, explosive gases or inflammable gases in the room.
- The compressor is designed to be used in dry rooms. It is prohibited to use the compressor in areas where work is conducted with sprayed water.
- Operate the equipment only on a firm, level surface.
- During operation place the compressor on the rubber feet on the back of the compressor.
- Important! When you switch off the compressor, excess air will escape at the safety valve. This is not a fault, but arises in connection with the equipment's construction.

### 6. Operation

#### **6.1. Mains connection:**

Before you use the machine, make sure that the mains voltage complies with the specifications on the rating plate. Long supply cables, extensions, cable reels etc. cause a drop in voltage and can impede motor start-up. At low temperatures below +5°C, sluggishness may make starting difficult or impossible.

#### **6.2 On/Off switch (4)**

To switch on the equipment set the On/Off switch (4) to position 1.  
 Move the On/Off switch (4) to position 0 to switch off the equipment.

### 6.3 Compressed air hose with quick-lock coupling (3)

#### Connecting:

Insert the nipple of the air tool into the quick-lock coupling, the sleeve will spring forward automatically.

#### Disconnecting:

Pull back the sleeve and remove the tool. Caution! When releasing the quick-lock coupling, be sure to hold the coupling piece to protect yourself against injury from the rebounding hose.

### 6.4 Tire pressure gauge with adapters (Fig. 2)

#### Working pressure in bar: 0-8

#### Range of applications:

The tire pressure gauge allows you to inflate tires easily and exactly. Use the pressure gauge to check the tire pressure. If the tire pressure is too high, you can reduce the pressure with the integrated relief valve (e).

After filling with air, please check the set tire pressure with a calibrated gauge, for example at a petrol station.

The tire pressure gauge comes with a valve adapter for car tire valves.

Other valve types can be filled using the supplied adapters.

#### Using the equipment as a blow-out pistol (Fig. 3)

To use the tire pressure gauge as a blow-out pistol you must first unscrew and remove the hose with the valve adapter for care tires. Now the blow-out adapter (7) can be screwed to the tire pressure gauge.

#### Range of applications:

For cleaning and blowing out hollow spaces or hard-to-reach areas, as well as for cleaning soiled equipment. The infinitely variable trigger lever allows an exact dosing of compressed air.

Do not exceed the maximum permissible operating pressure of 8 bar (also shown on the back of the tire pressure gauge).

### 6.5 Instructions for the adapter set

For information on the correct use of the adapters for the various valves, please refer to the following overview (see Fig. 7 which shows how to connect the adapter to the compressor).

- **Ball needle (Fig. 4)**

Area of application: For inflating balls. The ball needle can be used to inflate a variety of different balls.

**TIP:** To avoid damaging the valve, moisten the needle slightly before inserting it.

- **Valve adapter (Fig. 5)**

Area of application: For Dunlop and Presta cycle tire valves.

This valve adapter is designed for inflating cycle tires.

- **Conical universal adapter (Fig. 6)**

Area of application: The universal adapter can be used for inflating airbeds and other similar items.

**Danger!** Never direct the jet of compressed air at yourself or at any other persons or animals.

**Caution!** Inflating objects to above the recommended pressure level may cause damage to the objects or harm to bystanders!

### 6.6 What to do in case of an abnormal/emergency situation

1. Stop the operation
2. Switch off the equipment.
3. Pull the power plug

### 6.7 After using

1. Switch off the equipment.
2. Pull the power plug
3. Remove all accessories from the equipment such as, e.g. hose, tire pressure gauge, etc.
4. If the equipment is going to be cleaned or repaired, allow it to cool down first.
5. Check the equipment for signs of damage.

## 7. Replacing the power cable

#### Danger!

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.



## 8. Cleaning, maintenance and ordering of spare parts

### Hazard!

**Pull out the power plug before doing any cleaning and maintenance work on the equipment.**

### Danger!

**Wait until the compressor has completely cooled down. Risk of burns!**

### Danger!

**After use, always switch off the equipment immediately and pull out the power plug.**

### 8.1 Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it down with compressed air at low pressure.
- We recommend cleaning the equipment immediately each time after use.
- Clean the equipment regularly with a damp cloth and some soft soap. Do not use cleaning agents or solvents; these may be aggressive to the plastic parts in the equipment. Ensure that no water can get into the interior of the equipment. The ingress of water into an electric power tool increases the risk of an electric shock.
- You must disconnect the hose and any spraying tools from the compressor before cleaning. Do not clean the compressor with water, solvents or the like.

### 8.2 Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

**Danger!** The carbon brushes should not be replaced by anyone but a qualified electrician.

### 8.3 Storage

#### Danger!

Pull the mains plug out of the socket and ventilate the appliance and all connected pneumatic tools. Switch off the compressor and make sure that it is secured in such a way that it cannot be started up again by any unauthorized person.

### Danger!

**Store the compressor only in a dry location which is not accessible to unauthorized persons. Always store upright, never tilted!**

### 8.4 Transport

- Transport the equipment only by carrying it by the transport handle.
- Protect the equipment against unexpected knocks and vibrations.

### 8.5 Maintenance

There are no parts inside the equipment which require additional maintenance.

### 8.6 Ordering replacement parts:

Please quote the following data when ordering replacement parts:


- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

For our latest prices and information please go to [www.Einhell-Service.com](http://www.Einhell-Service.com)

## 9. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

## 10. Possible causes of failure

Problem	Cause	Solution 
The compressor does not start.	<ol style="list-style-type: none"> <li>1. No supply voltage.</li> <li>2. Insufficient supply voltage.</li> <li>3. Outside temperature is too low.</li> <li>4. Motor is overheated.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the supply voltage, the power plug and the socket-outlet.</li> <li>2. Make sure that the extension cable is not too long. Use an extension cable with large enough wires.</li> <li>3. Never operate with an outside temperature of below +5° C.</li> <li>4. Allow the motor to cool down. If necessary, remedy the cause of the overheating.</li> </ol>
The compressor starts but there is no pressure.	<ol style="list-style-type: none"> <li>1. The non-return valve leaks.</li> <li>2. The seals are damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Have a service center replace the non-return valve.</li> <li>2. Check the seals and have any damaged seals replaced by a service center.</li> </ol>
The compressor starts, pressure is shown on the pressure gauge, but the tools do not start.	<ol style="list-style-type: none"> <li>1. The hose connections have a leak.</li> <li>2. A quick-lock coupling has a leak.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the compressed air hose and tools and replace if necessary.</li> <li>2. Check the quick-lock coupling and replace if necessary.</li> </ol>





For EU countries only

Never place any electric power tools in your household refuse.

To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the return request:

As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment. The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.

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Subject to technical changes



## Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables.

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Category	Example
Wear parts*	V-belt, air filter
Consumables*	
Missing parts	

\* Not necessarily included in the scope of delivery!

In the event of defects or faults, please register the problem on the internet at [www.Einhell-Service.com](http://www.Einhell-Service.com). Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)?  
Describe this malfunction.



## Warranty certificate

Dear Customer,

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the service number shown.

Please note the following terms under which guarantee claims can be made:

1. These guarantee terms apply to consumers only, i.e. natural persons intending to use this product neither for their commercial activities nor for any other self-employed activities. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.
2. The warranty services cover only defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below and are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer.  
Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.
3. The following are not covered by our guarantee:
  - Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance.
  - Damage to the device caused by abuse or incorrect use (for example overloading the device or the use of unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it).
  - Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the device.
4. The guarantee is valid for a period of 24 months starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used.
5. To make a claim under the guarantee, please register the defective device at: [www.Einhell-Service.com](http://www.Einhell-Service.com). Please keep your bill of purchase or other proof of purchase for the new device. Devices that are returned without proof of purchase or without a rating plate shall not be covered by the guarantee, because appropriate identification will not be possible. If the defect is covered by our guarantee, then the item in question will either be repaired immediately and returned to you or we will send you a new replacement.

Of course, we are also happy offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units which are no longer covered. To take advantage of this service, please send the device to our service address.

Also refer to the restrictions of this warranty concerning wear parts, consumables and missing parts as set out in the service information in these operating instructions.