



**CAR BENCH**<sup>®</sup>  
CAR BENCH INTERNATIONAL SPA

*ONLY THE BEST CAN BE NUMBER ONE*

# INDUCTION HEATERS



CB - iT 6K400 LCD



CB - iT 4K230 KB



## INDUCTION HEATERS

The induction machines for heating magnetic materials have high power and exceptional operation.

They create the heat directly inside the metal, reaching red heat (about 1000 degrees Celsius) in just a few seconds, avoiding any change in the metal's characteristics.

By generating heat only in the desired point, the most common operations of straightening, bending and pin or bearing replacement can be carried out.

The absence of a naked flame, besides lowering costs by more than 50% compared with the use of tanks, allows work to be done even near cables, hoses or other heat-sensitive parts.

CAR BENCH products have obtained all the required European certification for electromagnetic field emissions and are fitted with a special insulating transformer, thereby ensuring maximum reliability and guaranteed operation even in the most unfavourable conditions or in the event of a short circuit.

The evolution of our electronics allows us not to avoid the installation of PFC devices to guarantee power continuity.

Our technology obtains the required network power required without having to correct it with PFC devices.

## PARTICULARLY SUITABLE FOR:

**REMOVAL** - WELDED PINS, SUSPENSIONS, SHOCK ABSORBERS

**STRAIGHTENING** - SHAFTS, TIE-RODS, LEAF SPRINGS, RIGID AXLES

**RELEASING** - SPHERICAL JOINTS, BOLTS, SILENCERS, LAMBDA SENSORS, WHEEL LUGS, TRACK RODES, RUSTED STUD BOLTS

**WORKING ON BRAKE DUCTS**



## CB - iT 6K400 LCD

**Ideal for workshops or in the fields that require high-end heat levels.**

The CB - iT 6K400 LCD induction heaters are also ideal for a **wide range of applications**: shrink-fitting, hardening, curing beside straightening pre/post heating, annealing, etc.

In **automotive** some of the applications are:

- removing suspensions, shock absorbers
- unlock/unscrew nuts, bolts, spherical joints, exhausts
- straightening drive shafts

**Design:** portable self-contained trolley

**System features include as standard:**

- control panel interface with LCD with 5 heat output levels
- power board unit
- inductor transformer cable (3,00 m)



## CB - iT 4K230 KB

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**Design:** portable self-contained trolley

**System features include as standard:**

- control panel interface with key pad and leds with 5 heat output levels
- power board unit
- inductor transformer cable (3,0 m)

# INDUCTION HEATERS



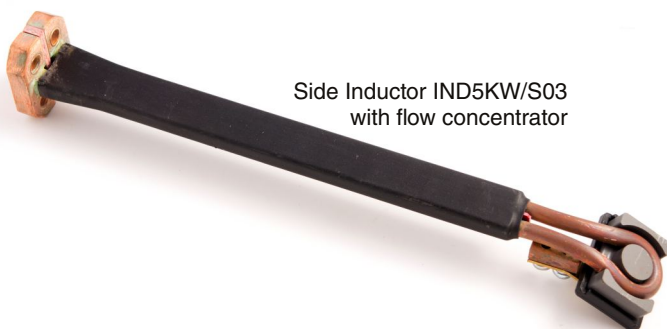
## TECHNICAL FEATURES

|                                   | CB - iT 6K400 LCD    | CB - iT 4K230 KB     |
|-----------------------------------|----------------------|----------------------|
| Dimension                         | 400 x 340 x 1000h mm | 400 x 340 x 830h mm  |
| Packaged dimension                | 800 x 800 x 1280h mm | 800 x 800 x 1280h mm |
| Weight                            | 66 Kg                | 50 Kg                |
| Network cable                     | 8 m                  | 8 m                  |
| Degree of protection              | IP21                 | IP21                 |
| Main circuit breaker              | Yes                  | Yes                  |
| Liquid cooling system             | 20 L tank            | 20 L tank            |
| Hydraulic heat exchanger with fan | Yes                  | No                   |
| Input power                       | 5 Kw - 16A           | 3,7 Kw - 16A         |
| Voltage (Europe)                  | 400V/3PH+T 50 Hz     | 230V/1PH+T 50 Hz     |
| Voltage (USA)                     | 208V/3PH+G 50/60 Hz  | 208V/3PH+G 50/60 Hz  |
| Working frequency                 | 15-30 KHz            | 15-30 KHz            |
| Duty Cycle                        | 30 min*              | 15 min*              |

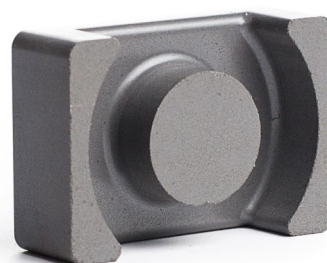
\*(±5% based on 20°C room temperature @ max power)

### Directives and Certification:

MD 2006/42/EU  
Directive 2013/35/EU  
EMC Directive 2014/30/EU  
RoHS 2011/65/EU  
EC Directive 2012/19/EU



Side Inductor IND5KW/S03  
with flow concentrator



IND-5KW S03.1

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