



# MOBILE INDUCTION HEATER FOR INDUSTRY

## QUICK AND SAFE HEATING FOR WORKSHOPS AND INDUSTRY



### DHI-45C INDUSTRY

**NEW**

Full PFC Inverter

#### FEATURES

**DHI-45C INDUSTRY** is a portable workshop induction heater with integrated water cooling for the induction heater and replaceable induction coil extenders. By default, the device has a two-metre burner with a round coil. Other induction coil types are designed as additional accessories and are intended for various types of heating of ferromagnetic and conductive materials.

The induction heater **DHI-45C INDUSTRY** has a number of innovative features for efficient and quick heating of bolts, nuts, shafts, bearings, sections, round steel, sheets, air conditioning copper tubes, soldering and brazing, etc. The **DHI-4F** has a fluent power control within a range of 10-100% and a clear display showing presets and readings. Besides, it has a timer for simply selecting desired heating time, which combined with the controlled power mode enables relatively accurate and re-peatable heating with controlled heat introduction, i.e., heating to a set temperature. Connector for remote control for connecting a remote control pedal. USB connector ready for potential software upgrades of the **DHI-45C INDUSTRY**.

Its high power capacity, small dimensions and light weight make the **DHI-45C INDUSTRY** ideal for workshops, general repairs, production, maintenance, industry and on assemblies. Heaters are designed for use in lines and automation. A significant advantage of the **DHI-45C INDUSTRY** compared to other heating methods is its safety, simplicity and high speed of heating and application, particularly compared to flame heating. Moreover, the use of the **DHI-45C INDUSTRY** induction heater is clean and environmentally friendly.

TECHNICAL PARAMETERS	DHI-45C INDUSTRY
Order no.	07-012
Power supply requirements [V]	230 (180–265)
Frequency [Hz]	50/60
Consumption [A]	16
Protective system	IP22
Working frequency [kHz]	18 – 60
Output control (CP mode) [%]	10 – 100 % z $P_{max}$ , fluent
Field control (CF mode) [%]	30 – 100 % z $I_{max}$ , fluent
Induction burner length [m]	2
Input power [kW]	3,7
Output ind. power [kVA]	5,0
Power factor for 100% output	>0.7
Dimensions [mm]	240 x 200 x 440
Weight [kg]	13,5
Coolant capacity [l]	2,5



Induction soldering of copper tubes with silver solder.



Induction heating of metal parts with round coil.

#### The basic machine set includes:

- machine including induction burner
- side round focus coil
- cooling circuit fill, 2.5 l
- operating manual, warranty certificate



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### ADVANTAGES

- **Mobility** – weight only 13.5 kg, including water cooling,
- small dimensions - size of a small welding machine.
- **Output 5 kVA, respectively, high loading factor.**
- **Easy use** - burner length 2 m.
- **Flexibility and ease of use** – connects anywhere, power supply 1x 230 V, easy and quick preparation.
- **Versatile uses of pre-heating** – for shaped, flat, circular, positioned or standard components.
- **Modern and affordable method of workshop heating.**

### USES

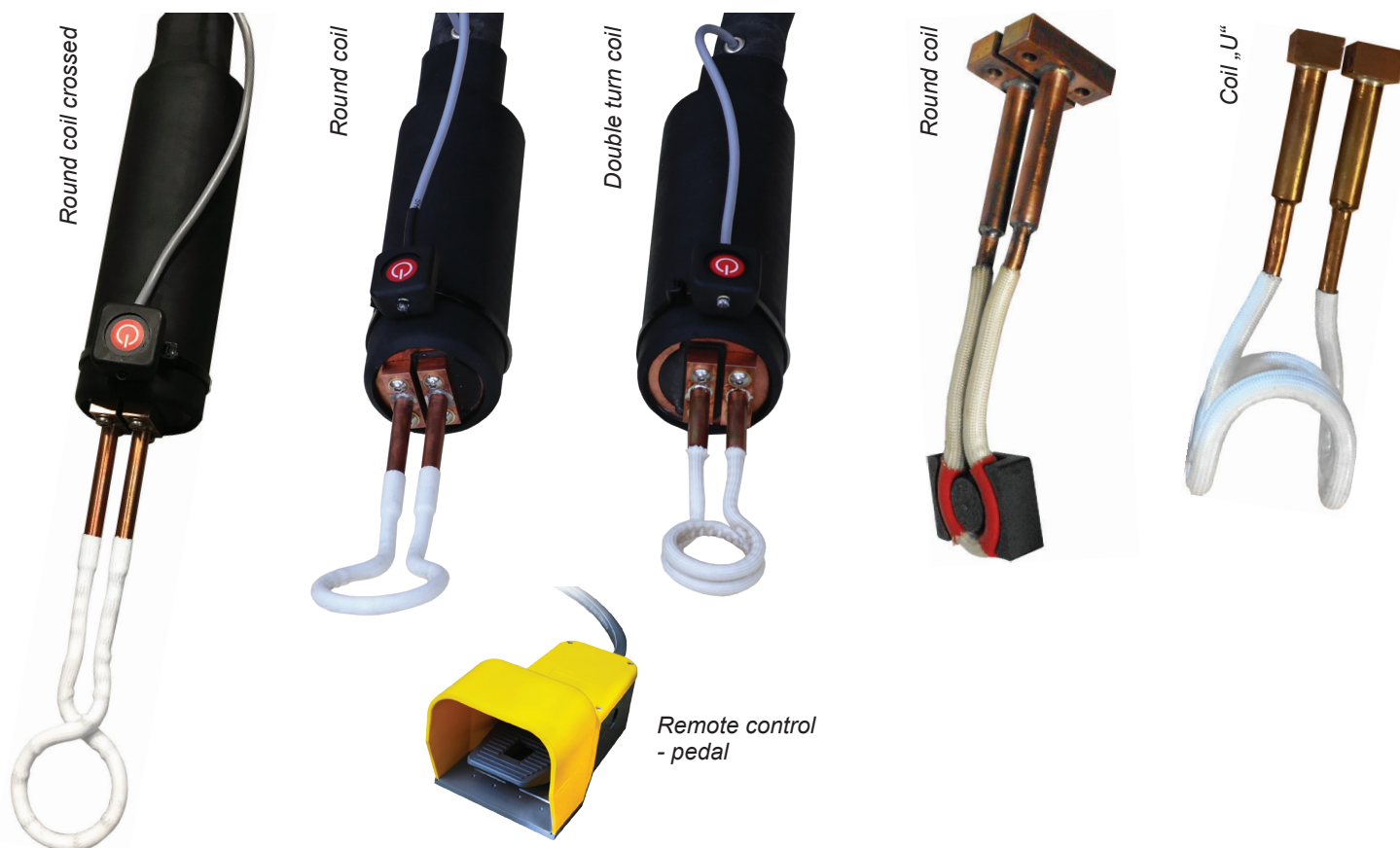
- Automotive, railway and shipbuilding industry, production, mechanical, servicing workshops, repair shops, assembly plants, heating and plumbing, home workshops, etc.
- Production, repair, renovation, maintenance.
- Workshops requiring heating of bolts, round steel, sections, sheets, bearings, bushes, drive shafts, hinges, nuts, pipes, cogwheels, bearing mountings, shafts, lambda probes, parts and components of machines and cars, exhaust systems, belt pulleys, sleeves, etc.
- Heating tools and parts for hardening, gluing, soldering.
- Defrosting.
- Same applications as gas and oxy acetylene burners.

### EQUIPMENT:

- Smooth power adjustment 10-100 %
- Timer and factory settings features
- USB for software upgrades
- Remote control connector – pedal, ON/OFF button, PC
- Constant heating power (CP) mode

### SUPPORTED TECHNOLOGIES:

- DHS3** Dawell Heating Control System 3
- BIPT** Boost Induction Power Technology
- DIPA** Dynamic Induction Power Adjust
- QST** Quiet Cooling Technology
- ACMS** Automatic Check And Monitor System
- DFU** Device Firmware Update



### ACCESSORIES AND CONSUMABLES

Order no.	Description
80-001	Remote control - pedal
91-002	Remote control connector
91-003	Coolant 5 l
	Custom coils

### YOUR DEALER

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