


  
**WORKSHOP**


# MOBILE INDUCTION HEATER

QUICK AND SAFE HEATING FOR WORKSHOPS AND PRODUCTION

**DHI-4F** 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 side (focusing) coil. Other induction coil types are designed as additional accessories and are intended for various types of heating of ferromagnetic and conductive materials. Focusing coils are intended to heat materials by application, and circular coils by sliding onto the material being heated.

The induction heater **DHI-4F** has a number of innovative features for efficient and quick heating of bolts, nuts, shafts, bearings, sections, round steel, sheets, 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 repeatable 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-4F**.

Its high power capacity, small dimensions and light weight make the **DHI-4F** ideal for workshops, car repair shops, general repairs, production, maintenance and industry. A significant advantage of the **DHI-4F** 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-4F** induction heater is clean and environmentally friendly.

## DHI-44F & 45F WORKSHOP




### The basic machine set includes:

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

TECHNICAL PARAMETERS	DHI-44F	DHI-45F
Order no.	07-001	07-002
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 % of $P_{max}$ , fluent	
Field control (CF mode) [%]	30 – 100 % of $I_{max}$ , fluent	
Induction burner length [m]	2	
Input power [kW]	3.5	3.7
Output ind. power [kVA]	3.5	4.5
Power factor for 100% output	1	≥ 0.85
Dimensions [mm]	240 x 200 x 440	
Weight [kg]	13.5	
Coolant capacity [l]	2.5	




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## QUICK AND SAFE HEATING FOR WORKSHOPS AND PRODUCTION

### ADVANTAGES

- **Mobility** – weight only 13.5 kg, including water cooling, small dimensions - size of a small welding machine.
- **Output 3.5 or 4.5 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

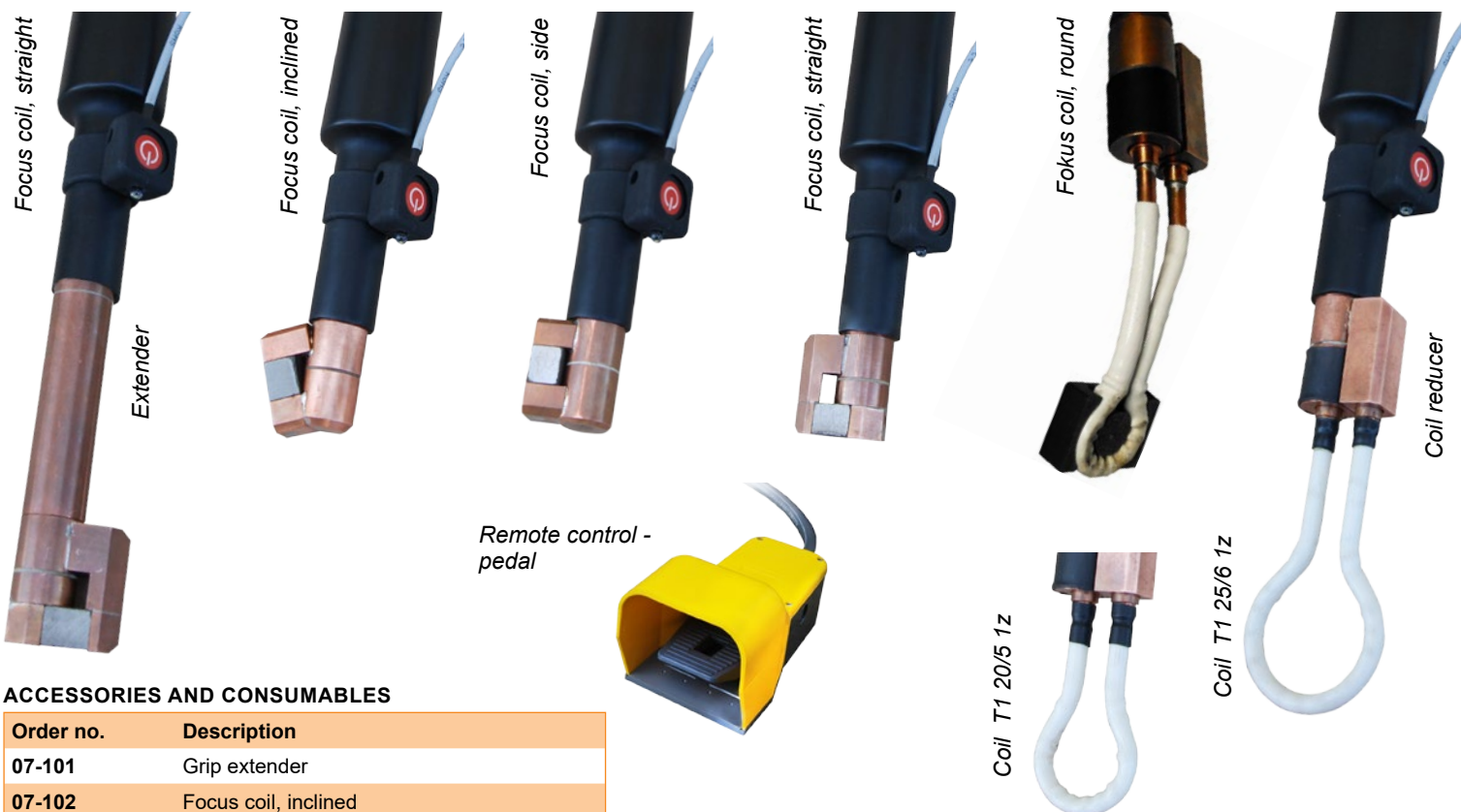
- Automotive, railway and shipbuilding industry, production, mechanical, servicing workshops, repair shops, assembly plants, heating and plumbing, home workshops, etc.
- Production, repair, renovation, maintenance.
- Workshops requiring heating of bolts, round steel, sections, sheets, bearings, bushes, 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:

- Multifunction display showing up to 10 parameters
- Smooth power adjustment 10-100 %
- Timer and factory settings features
- Remote control connector – pedal, ON/OFF button, PC
- USB for software upgrades
- Constant magnetic field (CF) mode
- 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
- URC** Universal Remote Control
- ACMS** Automatic Check And Monitor System
- DFU** Device Firmware Update



### ACCESSORIES AND CONSUMABLES

Order no.	Description
07-101	Grip extender
07-102	Focus coil, inclined
07-103	Focus coil, side
07-104	Focus coil, straight
07-107	Focus coil, round
07-105	Reducer for water-cooled coils T2
81-001	Coil T1, side, internal 20/5, 1z
81-002	Coil T1, side, internal 25/6, 1z
91-001	Remote control - pedal
91-002	Remote control connector
91-000	Coolant, 5 l

YOUR DEALER

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