DAWELL CZ
INDUCTION | RESISTANCE HEATING

INDUSTRY | WELDING WORKSHOPS | BRAZING



MOBILE INDUCTION & RESISTANCE HEATING
efficient replacement of flame heating

MADE IN CZECH REPUBLIC

CATALOGUE 2024/25

DAWELLING IS THE FLAMELESS FUTURE OF HEATING

DAWELL CZ
INDUCTION | RESISTANCE HEATING

SPECIALIST IN THE DEVELOPMENT AND PRODUCTION
OF MOBILE INDUCTION AND RESISTANCE HEATERS

CONTENTS

About company 2
Application and use of induction 3
Induction heater DHI-44/45F 4
Induction heater DHI-45C 5
Induction heater DHI-100F/120F (HD) 6
Induction heater DHI-100C/120C (HD) 7
Induction heater DHI-190F HD 8
Accessories for DHI-44F/45F, 45C 9
Accessories for DHI-100/120/190 10
Resistance heater DHC 6510R 11-12
Accessories for DHC 13-15

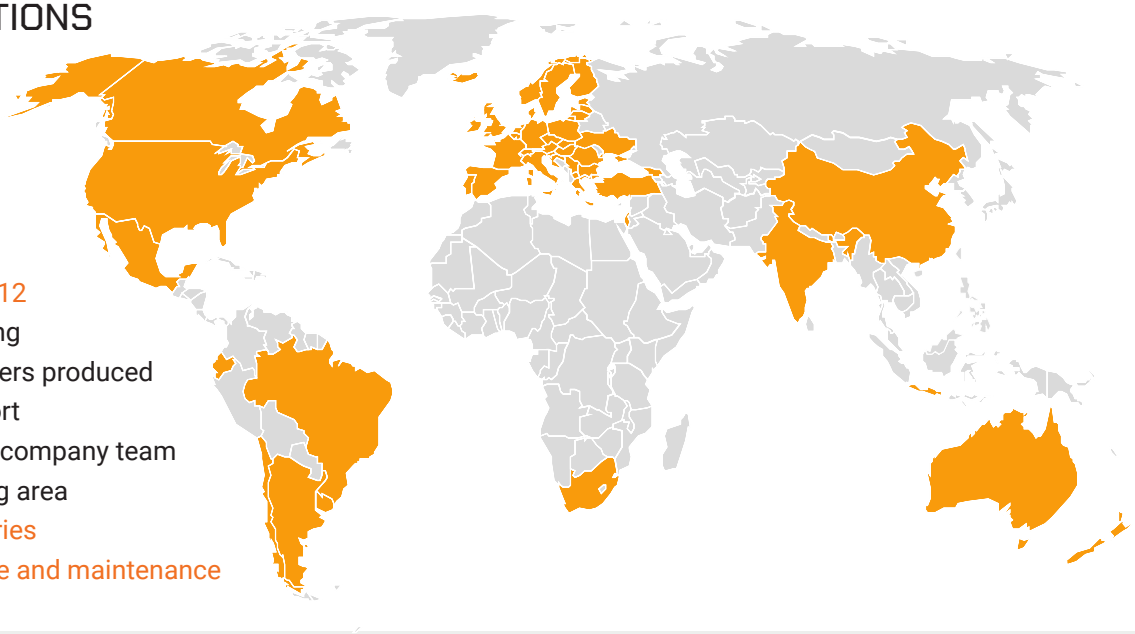
ABOUT COMPANY

PRODUCTION FIELD: Certified induction and resistance heaters of european quality.

ACTIVITY: Development, production, sales, distribution, rental, service, marketing.

MISSION: Transform traditional flame heating into innovative induction technology that is synonymous with quality, safety, ecology, economy and efficiency.

EXPORT DESTINATIONS



- On the market since 2012
- 15 basic types of heating
- More than 65.000 heaters produced
- 45 destinations of export
- 40 professionals in the company team
- 1.200 m² manufacturing area
- Wide range of accessories
- Fast and reliable service and maintenance

MANUFACTURING AND SALES OFFICE AREA 1200 m²



DAWELL INDUCTION

EFFECTIVE AND ECONOMIC REPLACEMENT OF FLAME HEATING

DEVELOPED AND DESIGNED FOR

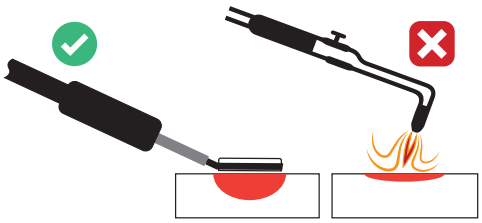
- Garages and maintenance
- Transport undertakings
- Repair shops for trucks and agricultural and constructions machinery
- Metal manufacturing and welding workshops
- Industrial and manufacturing facilities
- Soldering and brazing
- Automated and robotic workplaces
- Construction and assembly
- Aviation and shipbuilding industry
- Assembly, service and installation works
- Easy and quick use

ADVANTAGES COMPARED TO OPEN FLAME

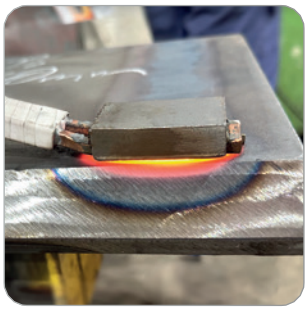
- Lower operating costs
- Safe use
- Accuracy of heating focus
- Heating rate
- High mobility
- Very silent operation
- Ecological
- Compactness, small size
- Simple use and operation
- No operator certificate required

DEPTH OF THERMAL PENETRATION

In comparison to open flame and its surface heating only, DAWELL machines guarantee deep heating of materials using low-frequency induction heating.







HEAVY DUTY INDUSTRY AND MANUFACTURE

Preheating before welding
Heating of large areas
Spot heating
Annealing
Straightening (after welding etc.)
Forging
Hardening



HEATING OF VARIOUS MATERIALS

Output tests (bimetal,titan)
Heating of stainless steel, copper, aluminium, cast-iron
Preheating before pressing
Preheating before bending
Weld preheating
Forming



BRAZING AND SOLDERING

Refrigeration industry
Brazing of copper pipes
Tin soldering



AUTOMOTIVE AND MAINTENANCE

Truck services
Heating of rods
Driveshaft straightening
Bolts loosening

DAWELL CZ
INDUCTION | RESISTANCE HEATING

PORTABLE INDUCTION HEATER DHI-44F/45F WORKSHOP

QUICK AND SAFE HEATING FOR WORKSHOPS AND PRODUCTION

DHI-44F / DHI-45F are portable, liquid-cooled induction heaters with a two-metre inductor, designed for heating of ferromagnetic and conductive materials, with optional replaceable extenders for focus and round induction coils. Its compact and lightweight design, power output and ease of use make it the ideal equipment for manufacturing and repair shops. It replaces naked flame in the repair and light industry, allowing machine implementation in automated operations.

IDEAL TOOL FOR MANUFACTURING AND SERVICING SHOPS

- Heating of metal sheets, sections, tubes and round metal, frame structures for straightening, forming, bending, pressing, surface hardening, defrosting and forging.
- Facilitates removal of rusty bolts and old parts, heating of exhaust pipelines, bolts, nuts, and bearings.
- Low costs, no need to train operating staff in working with oxyacetylene and Propane-butane torches.
- The device is ready for use in automated operations.
- Safety – absence of flames.



BASIC SET
DHI-44F (order no. 07-001-01)
DHI-45F (order no. 07-002-01)
Side focus coil
coolant liquid 2.5 l

EQUIPMENT

- Remote control connector – pedal, ON/OFF, PC.
- Clear display capable of showing up to 26 parameters.
- Liquid-cooling of induction coils.
- Smooth power adjustment.
- USB for software updates.
- LED lighting around the coil.

ADVANTAGES

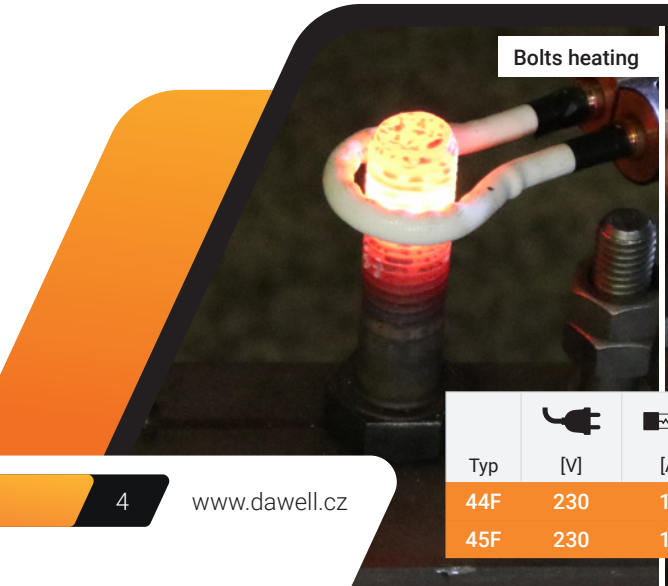
- Mobility – weight 12.5 kg, including cooling.
- High power and duty cycle.
- Use of focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- Easy use – burner length 2 m.
- Flexibility, ease of use, safety.
- No need for user training and certification.
- Local heating – repeatability + control.

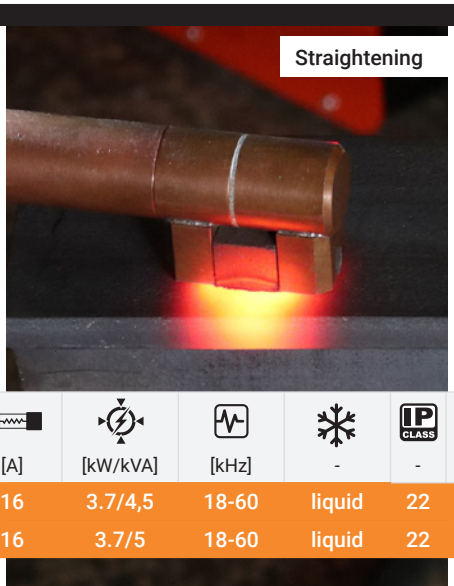
COMPATIBLE ROUND COILS

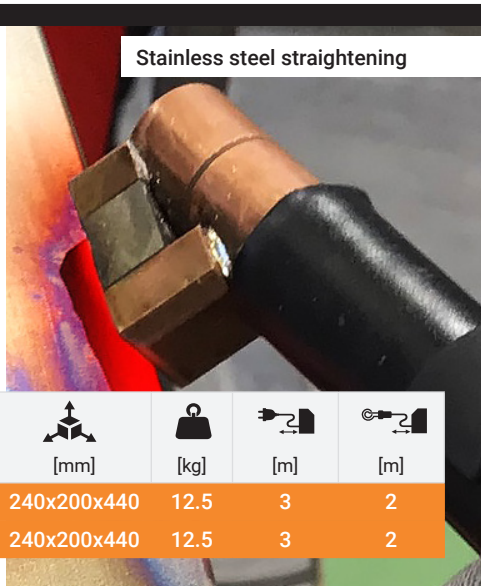
- Single-turn coil 20–53 mm

SUPPORTED TECHNOLOGIES

- DHS3, BIPT, DIPA, QST, ACMS, DFU







Typ	[V]	[A]	[kW/kVA]	[kHz]	-	IP CLASS	[mm]	[kg]	[m]	[m]
44F	230	16	3.7/4,5	18-60	liquid	22	240x200x440	12.5	3	2
45F	230	16	3.7/5	18-60	liquid	22	240x200x440	12.5	3	2

INDUSTRIAL PORTABLE INDUCTION HEATER DHI-45C

QUICK AND SAFE HEATING FOR WORKSHOPS AND INDUSTRY

DHI-45C is portable, liquid-cooled induction heater with a two-metre inductor, designed for heating of ferromagnetic and conductive materials, with optional replaceable extenders for induction coils. Its designed is optimised for use of round coils with optional specific focus coils. Its compact and robust design, versatile uses, mobility, smooth power adjustment, high power output and ease of use make it ideal for diverse applications in manufacturing operations, prototype shops, automation and other industries.

IDEAL TOOL FOR WORKSHOPS AND INDUSTRIAL OPERATIONS

- Heating of tubes, round metal, sections, sleeves, nuts, bolts and other structural elements for pressing, soldering, forming, bending, forging, surface hardening, defrosting, etc.
- Wider heating parameter setting options.
- The device is ready for use in automated operations.
- Mobile soft soldering and brazing.
- Generally applicable to same uses as propane-butane and oxyacetylene torches with the advantage of a controllable process.
- High power output at power supply 1x 230 V and 16 A breaker.



BASIC SET
DHI-45C (order no. 07-012-01):
„U" coil
Coolant liquid 2.5 l

EQUIPMENT

- Clear display capable of showing up to 26 parameters
- Liquid-cooling of induction coils.
- Smooth power adjustment.
- Timer and factory settings features.
- USB for software updates.
- Constant power (CP) and constant magnetic field (CF) mode.
- Remote control connector – pedal, ON/OFF, PC.
- LED lighting around the coil.

ADVANTAGES

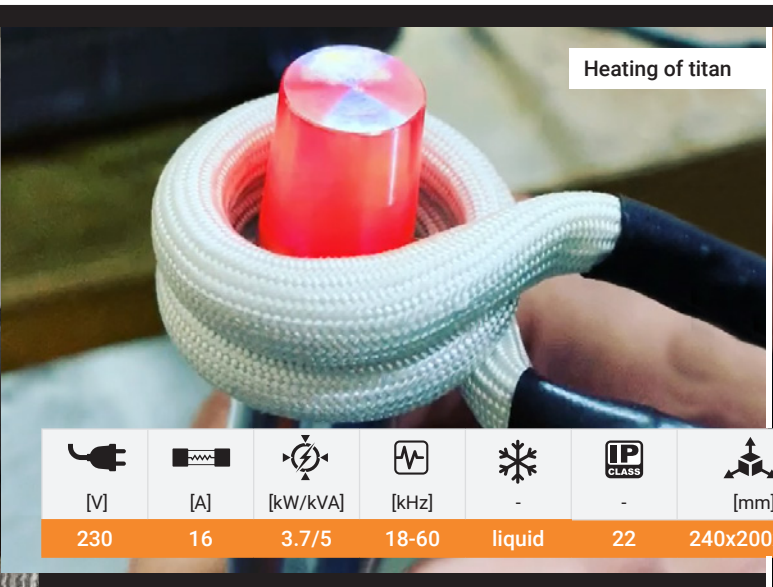
- Mobility – weight 13.5kg, including cooling.
- High power and duty cycle.
- Use of focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- Easy use – burner length 2 m.
- Flexibility, ease of use, safety.
- No need for user training and certification.
- Wide range of accessories.

COMPATIBLE ROUND COILS

Single-turn coil	20-55 mm
Double-turn coil	14-26 mm
Open "U" coil	15 mm

SUPPORTED TECHNOLOGIES

- DHS3, BIPT, DIPA, QST, ACMS, DFU


Heating of titan


Silver brazing of copper

[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]	[m]
230	16	3.7/5	18-60	liquid	22	240x200x440	13.5	3	2

* Will be replaced by upgraded **DHI-121** models during the year.

MOBILE INDUCTION HEATER DHI-100F*/120F*/120F HD

SAFE HEATING FOR WELDING AND HEAVY INDUSTRY

DHI-100F/120F/120F HD is mobile, liquid-cooled induction heater equipped with a 4 - 10 meter induction burner with the possibility of replaceable induction adapters. The device is intended for heating of ferromagnetic and conductive materials. Thanks to the compact design high performance, versatile use with smooth output adjustment, it is suitable for various applications especially in welding industry, heavy industry, production facilities, welding workshops, car repair shops, truck and agricultural machinery repair shops etc.

IDEAL TOOLS FOR EVERY WORKSHOP

- Heating prior to hardening, straightening, forging, bending of structural steel profiles and suitable for annealing.
- Low operating costs , training of operators is not necessary like for methods working with autogenous and propane-butane burners.
- Simplicity and ease of use - simple operation, fast heating process
- Safety and ecology - absence of flame.
- Use in the automotive, railway, aerospace, marine and industry
- in general, metal- working, maintenance.



BASIC SET
DHI-100F (order no. 09-001-01)
DHI-120F (order no. 09-002-01)
DHI-120F HD (order no. 09-006)
Round focus coil
Coolant liquid 10 l

EQUIPMENT

- Clear display with visualization of the parameters.
- Liquid cooled inductors.
- Continuous output control 20-100 %.
- Mode - Timer and Mode – factory setting.
- USB connection for software update.
- Constant power mode CP and constant magnetic field CF mode.
- LED inductor lighting.
- Removable trolley.
- Remote control and temperature sensor terminal.

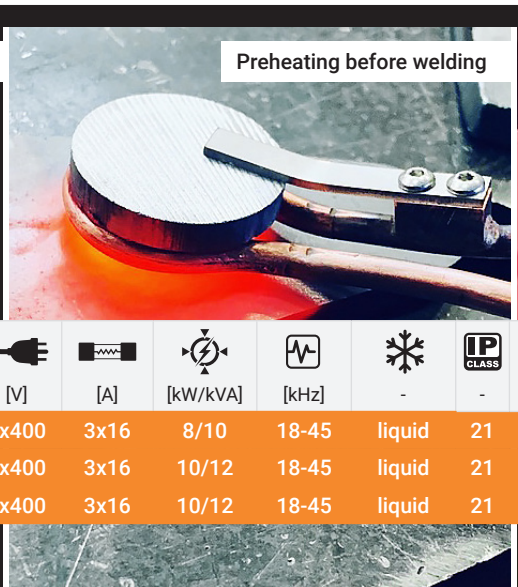
ADVANTAGES

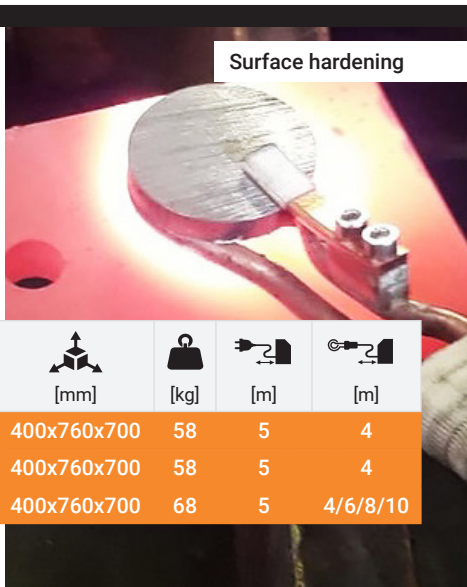
- Mobility– weight 58 kg (120F) / 68 kg (120F HD) including cooling.
- Replacement of autogenous working methods (flame heating).
- Very silent operation.
- High power and duty cycle.
- Use of ceramic surface-treated focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- Ease of use – 4 / 6 / 8 / 10 m long burner.
- Flexibility and ease of use.
- Robust and big wheels on the removable chassis.

SUPPORTED TECHNOLOGIES

- DHS3, BIPT, DIPA, QST, ACMS, DFU







Typ	[V]	[A]	[kW/kVA]	[kHz]	-	IP CLASS	[mm]	[kg]	[m]	[m]
100F	3x400	3x16	8/10	18-45	liquid	21	400x760x700	58	5	4
120F	3x400	3x16	10/12	18-45	liquid	21	400x760x700	58	5	4
120F HD	3x400	3x16	10/12	18-45	liquid	21	400x760x700	68	5	4/6/8/10

MOBILE INDUCTION HEATER DHI-100C*/120C*/120C HD

SAFE HEATING FOR WELDING INDUSTRY AND HEAVY INDUSTRY

DHI-100C/120C/120C HD is mobile, liquid-cooled induction heater equipped with a 4 - 10 meter induction burner with the possibility of replaceable induction adapters. The device is intended for heating of ferromagnetic and conductive materials. Thanks to the compact design high performance, versatile use with smooth output adjustment, it is suitable for various applications especially in welding industry, heavy industry, production facilities, welding workshops , car repair shops, truck and agricultural machinery repair shops etc.,

IDEAL TOOLS FOR EVERY WORKSHOP

- Heating prior to hardening, straightening, forging, bending of structural steel profiles and suitable for annealing.
- Low operating costs , training of operators is not necessary like for methods working with autogenous and propane-butane burners.
- Simplicity and ease of use - simple operation, fast heating process
- Safety and ecology - absence of flame.
- Use in the automotive, railway, aerospace, marine and industry in general, metal- working, maintenance.

EQUIPMENT

- Clear display with visualization of the parameters.
- Liquid cooled inductors.
- Continuous output control 20-100 %.
- Mode - Timer and Mode – factory setting.
- USB connection for software update.
- Constant power mode CP and constant magnetic field CF mode.
- LED inductor lighting.
- Removable trolley.
- Remote control and temperature sensor terminal.

ADVANTAGES

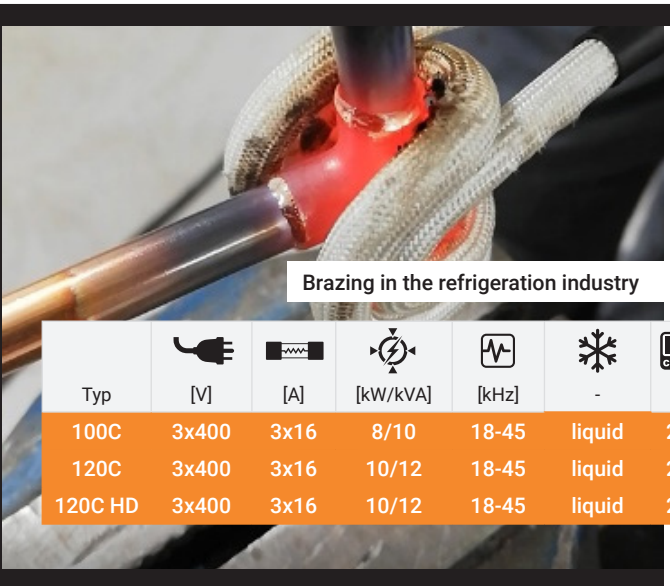
- Mobility– weight 58 kg (120C) / 68 kg (120C HD) including cooling.
- Replacement of autogenous working methods (flame heating).
- Very silent operation.
- High power and duty cycle.
- Use of ceramic surface-treated focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- Ease of use – 4 / 6 / 8 / 10 m long burner.
- Flexibility and ease of use.
- Robust and big wheels on the removable chassis.



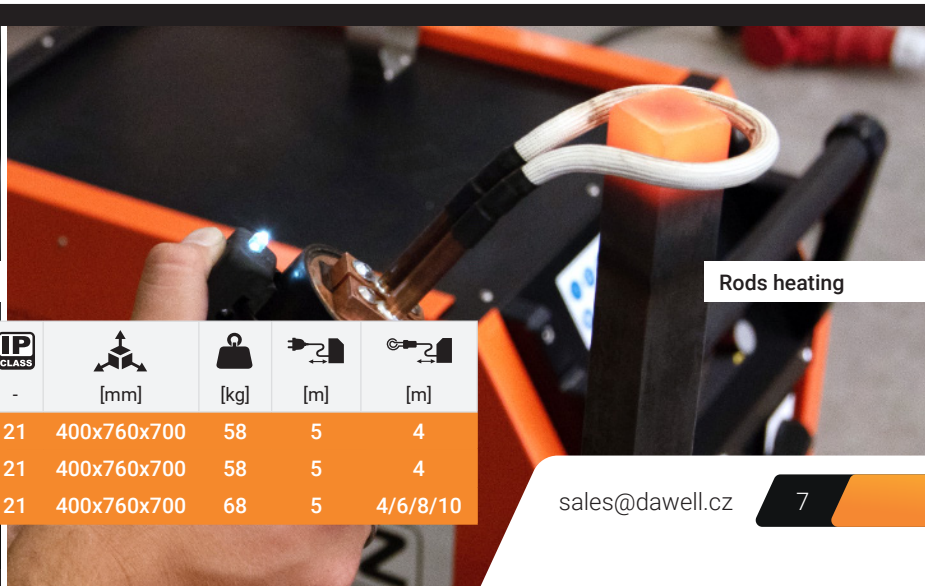
BASIC SET
DHI-100C (order no. 09-003-01)
DHI-120C (order no. 09-004-01)
DHI-120C HD (order no. 09-007)
Round focus coil
Coolant liquid 10 l

SUPPORTED TECHNOLOGIES

- DHS3, BIPT, DIPA, QST, ACMS, DFU



Brazing in the refrigeration industry



Rods heating

Typ	[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]	[m]
100C	3x400	3x16	8/10	18-45	liquid	21	400x760x700	58	5	4
120C	3x400	3x16	10/12	18-45	liquid	21	400x760x700	58	5	4
120C HD	3x400	3x16	10/12	18-45	liquid	21	400x760x700	68	5	4/6/8/10

DAWELL CZ
INDUCTION | RESISTANCE HEATING

MOBILE, POWERFUL INDUCTION HEATER DHI-190F HD

SAFE HEATING FOR WELDING INDUSTRY AND HEAVY INDUSTRY

DHI-190F HD for LKW is a high-performance mobile induction heater with a liquid-cooled inductor with a length of 6 or 10 meters and the possibility of changing different induction adapters. The device is designed for heating ferromagnetic and conductive materials. Its compact design, high power and load capacity, versatile use and power control make it suitable for a variety of applications, especially in the welding industry, heavy industry, manufacturing plants, truck repair shops, agricultural equipment etc.

IDEAL TOOLS FOR EVERY WORKSHOP

- Heating prior to hardening, straightening, forging, bending of structural steel profiles and suitable for annealing.
- Low operating costs , training of operators is not necessary like for methods working with autogenous and propane-butane burners.
- Simplicity and ease of use - simple operation, fast heating process.
- Safety and ecology - absence of flame.
- Use in the automotive, railway, aerospace, marine and industry in general, metal- working, maintenance.

EQUIPMENT

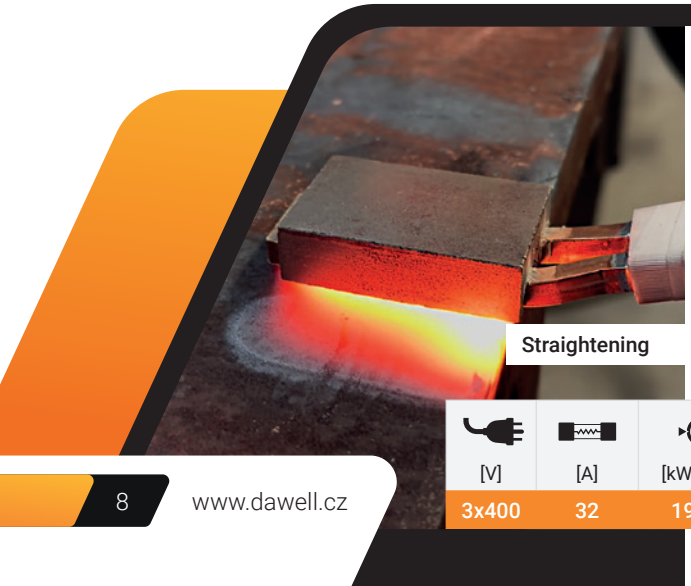
- Clear display with visualization of the parameters.
- Liquid cooled inductors.
- Continuous output control 20-100 %.
- Mode - Timer and Mode – factory setting.
- USB connection for software update.
- Constant power mode (CP) and constant magnetic field mode (CF).
- LED inductor lighting.
- Removable trolley.
- Remote control and temperature sensor terminal.

ADVANTAGES

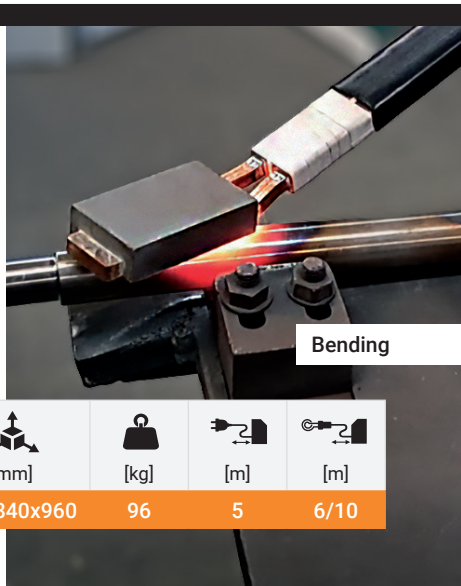
- Mobility, flexibility and ease of use.
- High power and duty cycle.
- Use of ceramic surface-treated focusing coils.
- Use of circular coils with heat-resistant surface treatment.
- Very silent operation.
- Robust and big wheels on the removable chassis.



BASIC SET
DHI-190F HD
(order no. 12-001)
Rectangular focus coil
Coolant liquid 10 l







[V]	[A]	[kW/kVA]	[kHz]	-	-	[mm]	[kg]	[m]	[m]
3x400	32	19/33	18-35	liquid	21	540x840x960	96	5	6/10

ACCESSORIES

INDUCTORS FOR DHI-44/45F



Coil „Car Nut“
(order no. 07-108)



Focus coil, side
(order no. 07-103)



Focus coil, inclined
(order no. 07-102)



Focus coil, straight
(order no. 07-104)



Handle extension
without coil
(order no. 07-101)



Round focus coil with reducer
(order no. 07-110)



Reducer
without coil
(order no. 07-105)



Round coil for reducer

Diameter	Order No.
20 mm	81-001-01
26 mm	81-002-01
32 mm	81-003-01
38 mm	81-004-01
40 mm	81-006-01
45 mm	81-005-01
53 mm	81-009-01

(also available with wear- and heat-resistant paint finish)

INDUCTORS FOR DHI-45C



Round focus coil
(order no. 09-102-01)



Round front focus coil
(order no. 09-117-01)



Double-turn round coil

Type coil	Order No.
Double-turn 14 mm	82-014-01
Double-turn 22 mm	82-012-01
Double-turn 26 mm	82-008-01

(also available with wear- and heat-resistant paint finish)



„U“ profile inductor 15 mm
(order no. 82-007-01)



Single-turn round coil

Single-turn coil are also avaible in inclined variants (35°, 45°, 90°) and cross variants for more efficient heating.



Type coil	Order No.
Single-turn 20 mm	82-025-01
Single-turn 35 mm	82-024-01
Single-turn 42 mm	82-016-01
Single-turn 46 mm	82-015-01
Single-turn 50 mm	82-010-01
Single-turn 55 mm	82-026-01

(also available with wear- and heat-resistant paint finish)

New

Surface treatment of circular and „U“ coils with special wear-resistant and heat-resistant black paint.

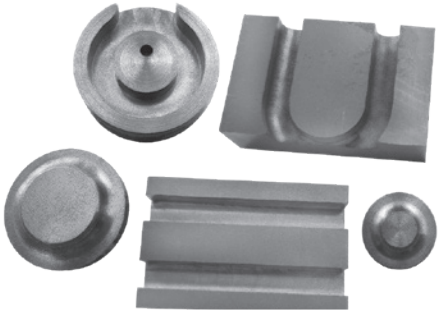


Spare focus coil core

For DHI-190F HD
round Ø 38 mm (order no. 12-202-01)
rectangular 33x52 mm (order no. 12-201-01)

For DHI-100F / 120F / HD
round Ø 32 mm (order no. 09-200-01)
round Ø 20 mm (order no. 09-205-01)
rectangular 30x50 mm (order no. 09-206-01)

Mounting kit
for replacing ferrites in the focusing coils
(on demand)



ACCESSORIES

INDUCTORS FOR DHI-120F/C/HD

Coil	Size	DHI-100F / 120F / 120F HD	DHI-100C / 120C / 120C HD
 Round focus coil	32 mm	09-102-01	09-102-01
 Round front focus coil	32 mm	09-117-01	09-117-01
 „U" profile inductor (also available with heat-resistant paint finish)	14 mm	09-115-01	09-115-01
	17 mm	x	09-116-01
 Single-turn round coil (also available with heat-resistant paint finish)	22 mm	09-103-01	09-103-01
	28 mm	09-104-01	09-104-01
	34 mm	09-105-01	09-105-01
	40 mm	09-106-01	09-106-01
	47 mm	09-107-01	09-107-01
	57 mm	09-108-01	09-108-01
	67 mm	09-109-01	09-109-01
	82 mm	x	09-110-01
 Double-turn round coil (also available with heat-resistant paint finish)	22 mm	09-111-01	09-111-01
	28 mm	09-112-01	09-112-01
	34 mm	x	09-113-01
	40 mm	x	09-114-01

INDUCTORS FOR DHI-190F HD

Coil	Size	Order No.
 Rectangular focus coil	33 x 52 mm	12-101-01
 Round focus coil	38 mm	12-102-01
 Single-turn round coil	50 mm	12-103-01
	55 mm	12-104-01
	60 mm	12-105-01
	65 mm	12-106-01
	70 mm	12-107-01
	75 mm	12-108-01
 Double-turn round coil	24 mm	12-130-01
	27 mm	12-131-01
	31 mm	12-132-01
	35 mm	12-133-01
	38 mm	12-134-01
	45 mm	12-135-01

OTHER ACCESSORIES



Trolley for DHI-4 machines
(order no. 07-400-01)



Coolant
3 l (order no. 91-006)
10 l (order no. 09-210)



Remote control pedal
DHI-100/120 (order no. 09-203-02)
DHI-190 (order no. 12-200-01)

INVERTER RESISTANCE HEATER DHC 6510R

CONTROLLED PREHEATING BEFORE WELDING AND ANEALING

INVERTOR DHC 6510R is designed primarily for controlled annealing of materials after welding to reduce tension and reduce hydrogen content and for preheating before welding up to temperature of 1050°C. It has a temperature regulator and recording for higher-level programming intended particularly for weld annealing. It also allows a multi-zone mode, programme linking and copying, setting multiple regulator values, and more. The recording time is up to 1400 hours.



BASIC SET
DHC 6510R
(order no. 04-004-01)
CD, USB cable

USES

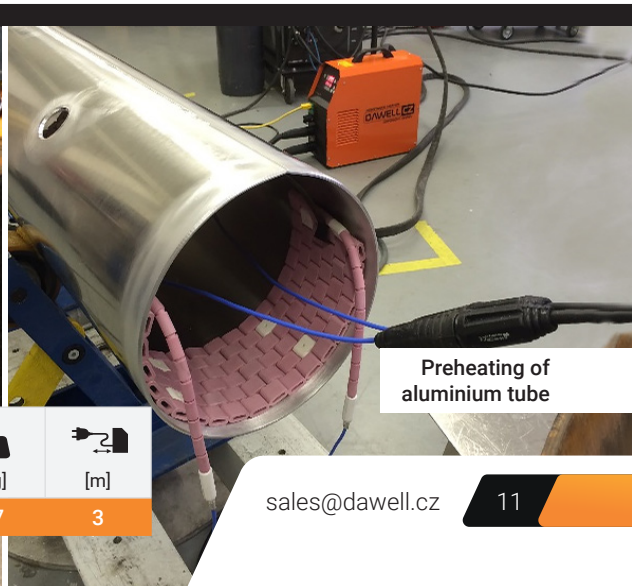
- Energy and petrochemical industry – weld annealing and preheating for pipelines, heat exchangers, boilers, steel vessels, flanges – wherever welds have to be annealed.
- Frame structure construction, shipbuilding – welding of long and short joints – preheating, annealing.
- Extractive industries – preheating of parts before welding.
- Industrial manufacturing – preheating of parts to specific temperature.
- Repairs, renovations, weldons – economic and technology correct preheating of parts, mobility allows inverter use in the field.
- Automotive industry – entire chassis heating before welding in production.
- Wide range of accessories.

ADVANTAGES

- Mobility - weight 17 kg.
- Even heating.
- Power 10,8 kW.
- Can connect up to 4 elements.
- Flexibility of use – power supply 3x 400 V 32 A.
- Intuitive and easy controls – easy to operate.
- Multi-zone mode – can connect 9 machines with one application – heating control in up to zones with a total power output of 95 kW.
- Versatile uses – even heating.
- 3 in 1 – inverter + temperature regulator + recorder.



Preheating of the world's largest mining excavator



Preheating of aluminium tube

[V]	[A]	[kW]	-	-	[mm]	[kg]	[m]
3x400	25	10.8	Air	21	170x370x405	17	3

PORTABLE INVERTER POWER SUPPLY FOR PREHEATING OF MATERIALS BEFORE WELDING, WELD ANNEALING AND ANNEALING FURNACES

Controller and recorder DHC 6510R – easy programming of the controller. Fast download of data from recording machine and easy work with measured data. Temperature can be controlled from any of the 20 user-adjustable temperature profiles / programs with up to 180 segments or directly to a user-set temperature, which can be changed any time as needed. You can set heating or cooling rate, time over which the temperature should be maintained as well as target temperature, independently in each profile segment as well as in the manual mode of temperature control. Of course, heating power can be controlled directly.

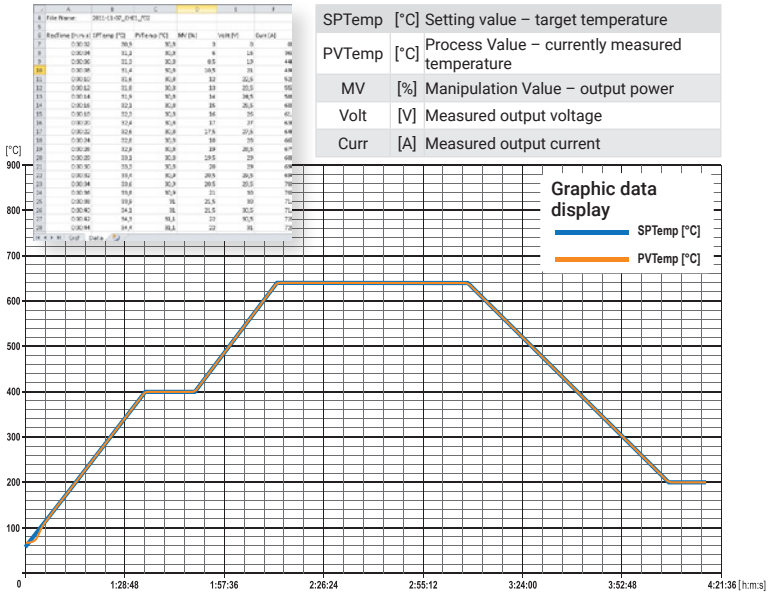
The controller has a user lock in menu for locking settings of PID values. Digital recorder of the course of heating with the capacity of 64 hours of recording is also integrated. Data can be transferred to a PC where it can be further processed, for example for logging the course of heating or its control. Thereby, maximum complexity and simplicity of use of this device was achieved, its control can be handled by anyone.

Technical data	DHC 6510R
Output voltage / current	0-60 V / 180 A, 65 V / 160 A countinuously adjustable, CV/CC
Load	Resistance heater elements 24-60 V (type 30 / 42 / 60 V)
Supply voltage/current	3~400 V, 50/60 Hz, 23 A ±15%
Supply fuse	25 A
Temperature sensor	Thermocouple wire K, galvanized isuation
Range / regulation	from -25 to 1200 °C
Alarm	2 adjustable (deviation SV/PV, temperature achieved, etc..)
Fault detection	Thermocouple disconnection, overload, overheating, output short circuit, etc.
Multi-zone control	Yes, master / slave type, max. 9 units
Operating temperatures / coverage	from -20 to 40 ˚C (with a capacity limit to 50 ˚C)
Temperature prifiles	20 adjustable profiles in 9 segments
Controller	Digital, user-adjustable
Recorder	Up to 1400 hours of recording, stores and error conditions
Data downloading	Using 485/USB to PC, direct import to Excel

Table with measured data

Values recorded in recording machine

SPTemp	[°C]	Setting value – target temperature
PVTemp	[°C]	Process Value – currently measured temperature
MV	[%]	Manipulation Value – output power
Volt	[V]	Measured output voltage
Curr	[A]	Measured output current



Output from the bulit-in recorder of the inverter DHC 6510R

EXPANDED SET

1. Inventer DHC 6510R
2. Elements
3. Insulation Tygasil
4. Splitting cable
5. Extending cables
6. Compensations cable
7. Thermocouple wire





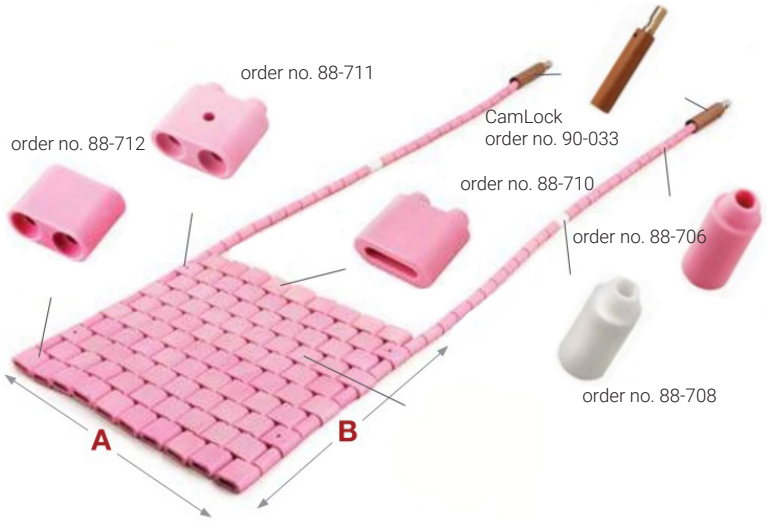
Preheating



Preheating

ACCESSORIES FOR DHC

STRUCTURE AND SPARE PARTS FOR HEATING ELEMENTS





- Heater is flexible across dimension „A".
- When ordering or requesting information, please state dimension „A" first, this in the format „AxB"".

CERAMIC ELEMENTS 30 V

Order no.	Number of beads AxB	Dimensions AxB [mm]
88-112	3x17	75x355
88-113	3x18	75x380
88-114	4x11	100x230
88-115	4x12	100x250
88-103	4x13	100x275
88-116	4x14	100x295
88-104	5x9	125x190
88-117	5x10	125x210
88-105	5x11	125x230
88-118	6x7	150x145
88-111	6x8	150x165
88-119	6x9	150x190
88-120	7x6	175x125
88-121	7x7	175x145
88-122	7x8	175x165
88-123	8x5	200x105
88-124	8x6	200x125
88-125	8x7	200x145
88-126	9x5	225x105
88-127	9x6	225x125
88-128	10x4	255x85
88-109	10x5	255x105
88-102	11x4	280x85
88-101	11x5	280x105
88-108	12x4	305x85
88-129	13x4	330x85
88-130	14x4	355x85
88-131	15x3	380x65
88-132	16x3	405x65
88-133	17x3	430x65
88-134	18x3	455x65
88-110	24x2	610x40



terminal DINSE
(standard)
or CamLock
(to order)

ACCESSORIES FOR DHC

CERAMIC ELEMENTS 60 V

Order no.	Number of beads AxB [mm]	AxB [mm]
88-033	3x32	75x670
88-034	3x33	75x690
88-035	3x34	75x710
88-036	4x24	100x505
88-026	4x25	100x525
88-037	4x26	100x545
88-018	5x18	125x380
88-022	5x20	125x420
88-031	5x21	125x440
88-005	5x22	125x460
88-038	6x16	150x335
88-039	6x17	150x355
88-006	6x18	150x380
88-014	7x14	175x295
88-040	7x15	175x315
88-041	8x12	200x250
88-042	8x13	200x275
88-043	9x11	225x230
88-044	9x12	225x250

Order no.	Number of beads AxB [mm]	AxB [mm]
88-015	10x10	255x210
88-045	10x11	255x230
88-046	11x9	280x190
88-047	11x10	280x210
88-030	12x8	305x165
88-007	12x9	305x190
88-016	13x7	330x145
88-048	13x8	330x165
88-023	14x7	355x145
88-049	15x6	380x125
88-019	15x7	380x145
88-008	16x6	405x125
88-050	17x5	430x105
88-001	17x6	430x125
88-051	18x5	455x105
88-013	18x6	455x125
88-017	19x5	480x105
88-003	20x5	510x105
88-052	21x4	535x85





terminal DINSE (standard)
or CamLock



CERAMIC „ONE LINE“ AND ROPE HEATERS

Order no.	Type	Lenght	Power input	Voltage
88-251	„One line“	4500 mm	3 kW	60 V
88-252	„One line“	2200 mm	1.5 kW	31 V
88-501	Rope heater	2135 mm	1.35 kW	30 V
88-502	Rope heater	4270 mm	3 kW	65 V



Rope heater



„One line“

MAGNETIC CERAMIC ELEMENTS

Order no.	Lenght (AxB)	Power input	Voltage
88-201	1000x80 mm	3 kW	60 V



Magnet for ceramic element, separate (order no. 88-751)



Magnet for ceramic element - couple (order no. 88-752)







Magnetised insulated preheaters, 30 V and 60 V, versions, dimensions on request

ADDITIONAL ELEMENT TYPES



Ceramic element „Finger“ 60 V
(order no. 88–401)



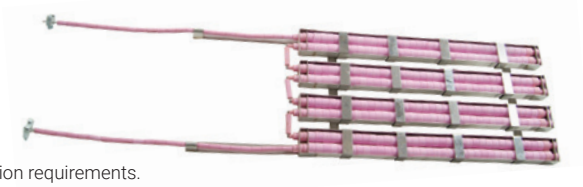
Ceramic element „Spreader mats“
60 V (order no. 88–450)



Ceramic element FIP, available dimensions on request.

Ceramic element „Snake“ 60 V
(order no. 88–352)





Channel elements, dimension as per specific application requirements.

SPLITTING AND EXTENDING DOUBLE CABLES

Order no.	Cable type	No. of terminals	Lenght
04-132-01	Splitting	2	5 m
04-145-01	Splitting	4	4 m
04-141-01	Splitting	4	10 m
04-142-01	Splitting	4	15 m
04-111-01	Extending	1	10 m
04-113-01	Extending	1	15 m



Following connectors available





Dinse (order no. 90-034) a CamLock (order no. 90-033)

COMPENSATION CABLES

Order no.	Cable thickness	Lenght
04-165-01	2x 1.5 mm²	1 m
04-170-01	2x 1.5 mm²	5 m
04-161-01	2x 1.5 mm²	10 m





Thermocouple connector
„male" (order no. 90-005)
„female" (order no. 90-006)

THERMOCOUPLE WIRES

Order no.	Wire thickness	Unit of measure	Wire colour
90-002	0.711 mm	1 m	Green/white
90-030	0.711 mm	1 m	Red/yellow





Magnet for thermocouple (order no. 90-026)

INSULATING FABRIC

Order no.	Insulation type	Insulation	Width	length
04-183-01	Tygasil	12 mm	0.3 m	2 m
04-185-01	Tygasil	12 mm	0.3 m	3 m
04-182-01	Tygasil	12 mm	0.3 m	1.6 m
90-018	Tygasil role	12 mm	0.61 m	7.6 m
90-031	Ceramic fibre	13 mm	0.61 m	14.64 m
90-029	Ceramic fibre	25 mm	0.61 m	7.32 m



Insulation
Tygasil role
(order no. 90-018)



Tygasil insulation dimensi-ons as per table, or can be adjusted as required



Insulation
„Ceramic Fibre"

RESISTANCE HEATER TROLLEYS

Version for 3 units
(order no. 04–101–01)

Version for 6 units
(order no. 04–102–01)



ADDITIONAL ACCESSORIES



Ceramic elemetns resis-tence wire
(order no. 88–801)



Steel tape tighte-ning pliers
(order no. 90–015)

Steel tape (order no. 90–011),
steel tape locks
(order no. 90–016)

THERMOCOUPLE WELDER TW163V

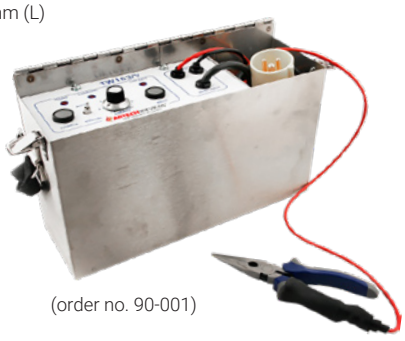
TW163 is a capacitive rechargeable welding unit used to hold a thermocouple. This unit works with a mains connection for charging.

Dimensions:
190 mm (H) x 300 mm (W) x 100 mm (L)

Weight:
4,2 kg

Battery type:
lead, sealed (impermeable)
12 V 2.1Ah

Welding voltage:
37 - 60 V (output 18 to 40 jouln)



(order no. 90-001)

CONNECTING CABLES WITH USB



Type	Order no.
1x2	04-151-01
1x3	04-152-01
1x6	04-154-01
1x9	04-157-01

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Affordable price, high mobility, quick heating, high performance, simple operation.







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DAWELL CZ s.r.o.
Budischowského 1073
674 01 Třebíč
Czech Republic

phone: +420 725 536 306
web: www.dawell.cz
e-mail: sales@dawell.cz

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