

# INDUCTION HEATING UNIT



# BUILT TO LAST



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# INDUCTION HEATING UNIT



The Induction Heating Unit is designed for the thermal assembly and dismantling of: bearing rings, support rings axle of the wagon, small gears of traction motors and rotors and degaussing of the axle and sleeve after the thermal assembly process (with additional equipment: degaussing system).

## BASIC CHARACTERISTICS:

- Short heating times,
- The possibility to change heating to high temperatures,
- High efficiency of the device – energy transmission to charge directly by inductor, no useless thermal insulations reducing efficiency,
- Energy saving,
- Downsizing of inductor by using device of high-frequency operating.

CHARACTERISTICS	DATA	COMPLETE SET TO BE DELIVERED INCLUDE	
Power supply	400/230V +/-10%/50Hz,	Coils (inductors)	2 (1-for inner bearing ring, 1- labyrinth ring)
The maximum power consumption	35,0 kW		Temperature sensor
Heated part diameter Ø:	140 mm to 250 mm	Induction heater control cabinet	1
The cooling system of the control cabinet	Air ventilators		
The cooling system of the coils	Compressed air		
Maximum range of temperature control:	200°C		
Temperature sensor	Yes		
Display	Control panel with a keypad		
Time control:	0 – 500 s		
Degaussing module	Optional		
Dimensions	580 x 510 x 840 mm		



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