



**FAST, SAFE & ECONOMICAL
HEATING OF BEARINGS
INNER RACES & OTHER
COMPONENTS**

INDUCTION HEATER

ABIR SERIES

Power: 25 - 60 KVA

Induction Heater ABIR Series is specially designed to cater the need of dismantling & mounting of the inner races of Cylindrical Roller Bearings used on the axles of Railway Rolling stock and In Traction Motors. It can be used in other industries with similar application.

ADVANTAGES

- Induction Heating is more safe, reliable & clean process. Even unskilled labor can be trained to operate the equipment easily
- High heating rates can be easily achieved. Precise Temperature and Time controls are achieved through state of the art technology used in heaters.
- Lower cost & high efficiency are the plus points of Induction Heating.

Model	Power	Supply Voltage	Nominal Current	Output Voltage	Power Control	Output Current	Temperature Control	Accuracy Temperature	Time Control	Residual Magnetism
ABIR-25	25 KVA	3Ø x 440V	57 A	40 - 60V	25%, 50% 75% & 100%	500A	(0-200°C)	+ - 5°C	0-3 min	<2A/cm
ABIR-40	40 KVA	3Ø x 440V	90 A	40 - 60V	25%, 50% 75% & 100%	800A	(0-200°C)	+ - 5°C	0-3 min	<2A/cm
ABIR-60	60 KVA	3Ø x 440V	136 A	40 - 60V	25%, 50% 75% & 100%	1200A	(0-200°C)	+ - 5°C	0-3 min	<2A/cm



INDUCTION WELD PWHT & PREHEATING MACHINE

AIWR & AIHM SERIES

WELD PREHEATING

- Pipe Weld Preheat
- Plate weld Preheat
- Other Preheat

PWHT & STRESS RELIEVING

Pipe PWHT, Vessels PWHT,
Flange PWHT & Others



Model	Input Voltage	Output Frequency	Output Power	Input Current	Cooling Type	Heating Temperature	Channels Control	Main parts	
AIWR-40KW	3 Phase 380V	2KHZ ~ 30KHZ	40KW	60A	Water Cooling	Max:900°C Heating Speed: 5-100°C/min	Channel recorder	Induction coil	Connection cable
AIWR-60KW			60KW	90A					
AIWR-80KW			80KW	120A				Thermocouple Connection cable	
AIWR-100KW			100KW	150A					
AIWR-120KW			120KW	180A					
AIWR-200KW			200KW	280A					

Pre-Weld & Post Weld (20KW)

Model	Input Voltage	Input Current	Output Current	Output Power	Output Frequency	Thermo-couple	Temperature System	Heating Temperature	Heating Pipe Line Size	Size	Weight	Induction Heating Coil		
												Length	Dia.	Work Temp
AIHM 20KW	3*380V, 50/60Hz	1~40A	50~200A	1~20KW	5~30KHZ	K Type	Build in Induction Machine	Max 800°C	Dia: 50~500 mm	650x400x 600 mm	45 kg	15~30M	13mm	0~350°C