

## Model: KIRBY 500 Heavy Duty

### 1 & 2 PHASE HEAVY DUTY REGULATOR TYPE WELDING MACHINE

#### Product Overview

The AC Arc Welding Transformer KIRBY 500 Heavy Duty is a robust and reliable solution designed for heavy-duty welding tasks. Built with a **moving core mechanism**, this transformer ensures precise current adjustment for demanding applications. Its **dual voltage capability (220V & 440V)** and support for **1-phase and 2-phase power** make it versatile for various environments. Encased in a **double fiberglass structure**, it is engineered for durability and optimal performance, compatible with **2.5 mm, 3.15 mm, and 4 mm electrodes**.



#### Technical Specifications

Parameter	Details
Model	KIRBY 500 Heavy Duty
Input Voltage	220V / 440V $\pm$ 10%, 50/60 Hz
Phase	1-Phase & 2-Phase
Output Current Range	60A - 500A
Duty Cycle	60% at 500A
Electrode Compatibility	2.5 mm, 3.15 mm, & 4 mm
Voltage Regulation	Moving Core Mechanism
Cooling System	Air-cooled
Insulation	Double Fiberglass
Open Circuit Voltage (OCV)	70V - 80V
Weight	Approx. 70 kg
Dimensions	650mm x 400mm x 700mm

#### Key Features

- Dual Voltage Capability:** Operates on both **220V and 440V**, supporting single and two-phase power supplies.

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**ELECTRA KOKO TAWA WELD (P) LTD.**  
NOIDA-INDIA

UNIT: B-15 Sector-5 Noida

Reg. Office: 39, Shradhanand Marg, Delhi-06

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Trusted Since 1996

E-mail: [sales@electrawelding.com](mailto:sales@electrawelding.com)

Website: [www.electrawelding.com](http://www.electrawelding.com)



- **Moving Core Mechanism:** Provides precise and stable current regulation for accurate welding performance.
- **Heavy Duty Build:** Designed for continuous operations in demanding environments.
- **Double Fiberglass Insulation:** Offers enhanced durability and resistance to thermal and electrical stresses.
- **Versatile Electrode Compatibility:** Supports **2.5 mm, 3.15 mm, and 4 mm electrodes** for a wide range of applications.
- **Efficient Cooling System:** Air-cooled design ensures consistent performance and extended machine life.
- **User-Friendly Operation:** Simple controls for quick setup and hassle-free operation.

## Applications

- **Heavy Jobwork:** Ideal for high-strength welding tasks.
- **Fabrication Workshops:** Suitable for precise and large-scale welds.
- **Industrial Manufacturing:** Reliable for assembly lines and custom production.
- **Construction Sites:** Robust performance for site welding under tough conditions.

## Warranty

- **2 Year** on the welding transformer for manufacturing defects.

## Why Choose KIRBY 500 Heavy Duty?

- **Powerful Performance:** Handles up to 500A output for heavy-duty tasks.
- **Dual Voltage Flexibility:** Operates efficiently across different power settings.
- **Durable and Reliable:** Double fiberglass insulation and rugged design for long-lasting performance.
- **Precision Control:** Moving core mechanism for accurate current regulation.
- **Versatile Application:** Ideal for various industries and electrode sizes.