

## CONCORDE-500

### Arc Welding Machine

Brand: ELECTRA KOKO TAWA

### Introduction

The **CONCORDE-500 Arc Welding Machine** is a heavy-duty, inverter-based, three-phase arc welding solution designed for industrial applications. With a maximum output of **500A**, it is engineered for efficiency, portability, and superior welding performance. Built to handle the toughest welding tasks, it supports a wide range of electrodes and provides unmatched versatility and reliability.

### Key Features

- Inverter Controlled for Efficiency:**
  - Ensures optimized power usage, reducing operational energy costs.
- Lightweight and Portable:**
  - Compact design weighing only **24.5 kg**, allowing easy transport and installation on-site.
- Wide Mains Voltage Tolerance:**
  - Operates smoothly even with voltage fluctuations, ensuring stable welding performance.
- Advanced Safety Features:**
  - Equipped with protection against **Over-Temperature, Under-Voltage, Over-Voltage, and Single-Phasing**.
  - Built-in **Voltage Reduction Device (VRD)** reduces idle voltage to **<35V**, enhancing operator safety.
- User-Friendly Controls:**
  - Adjustable **Arc Force** and **Hot Start** ensure superior weld quality and ease of operation.

### Applications

- Industrial Fabrication:** Perfect for medium to heavy-duty welding tasks.
- Pipeline Welding:** Supports various electrode types for pipeline and structural welding.
- Construction Projects:** Portable and reliable for on-site welding applications.
- Repair and Maintenance:** Versatile solution for workshops and field operations.

### Benefits

- Enhanced Portability:** Lightweight design makes it easy to move between job sites.
- Stable Performance:** Operates efficiently even with voltage fluctuations.



ELECTRA and KOKO-TAWA are registered trademarks of Electra Koko Tawa Weld Pvt. Ltd. Unauthorized use is strictly prohibited. Always verify the KOKO-TAWA brand mark to ensure product authenticity and avoid imitations.

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

UNIT: B-15 Sector-5 Noida

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

**ELECTRA® KOKO-TAWA®** (Registered Trademark)  
Trusted Since 1996

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

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



- **Safety First:** Built-in protections and VRD enhance operator safety.
- **Improved Weld Quality:** Adjustable settings for Arc Force and Hot Start ensure precision welding.

## Technical Specifications

Parameter	Unit	CONCORDE-500
<b>Input</b>		
Mains Supply Voltage	V/Ph/Hz	415 / 3 / 50
Rated Input Power	kVA	16
<b>Output</b>		
Rated Welding Current	A	500
Current Range	A	60-500
Rated Duty Cycle	%	100% @ 360A / 60% @ 500A
Open Circuit Voltage (OCV)	V	89
VRD Voltage	V	<15
<b>Efficiency and Protection</b>		
Efficiency	%	≥85
Power Factor		0.9
Cooling		Forced Air
Insulation Class		H
Protection Class		IP23
<b>Physical Specifications</b>		
Dimensions (L × W × H)	mm	512 × 255 × 400
Weight	kg	24.5

## Package Includes

- **Power Source:** CONCORDE-500 Arc Welding Machine.
- **Welding Cable with Holder:** 2.5 meters.
- **Earthing Cable:** 2.5 meters.