

## MODEL: ZYROD 400 TIG Welding Machine

Brand: ELECTRA KOKO TAWA

### Introduction

The **ZYROD 400 TIG Welding Machine** is a high-performance, IGBT inverter-based welding solution designed for professional and industrial applications. With advanced features like HF start and flexible TIG and MMA capabilities, the **ZYROD 400** is perfect for welding across various industries, including fabrication, pipe welding, and shipbuilding.



## ADVANCE DIGITAL MICRO-PROCESSOR CONTROLLED HEAVY DUTY TIG WELDING MACHINE

### Technical Specifications

Specification	KOKO-TAWA ZYROD 400 TIG
Mains Supply (V / Ph, Hz)	415 V $\pm$ 15% / 3, 50/60
Maximum Input Current (A)	18
Rated KVA	17
Output Range (TIG & MMA) (A)	10 - 400 / 10 - 400
Permitted Load at 60% Duty Cycle (A)	400 / 305
Permitted Load at 100% Duty Cycle (A)	310 / 240
Open Circuit Voltage (V)	76
Power Factor	0.9
Efficiency (%)	85
Protection Class	IP21S
Insulation Class	H
Operating Temperature (°C)	-10 to +40
Weight (Kg)	35
Dimensions (L x W x H) (mm)	510 x 275 x 420
Standards of Conformity	IEC 60974-1

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FOR QUERIES:

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**ELECTRA KOKO TAWA WELD (P) LTD.**

NOIDA-INDIA

UNIT: B-15 Sector-5 Noida

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## Applications

- **General Fabrication:** Ideal for producing high-quality welds in workshop environments.
- **Pipe Welding:** Precision welding for pipeline installations and repairs.
- **Shipbuilding:** Durable and reliable for shipyard welding tasks.
- **Repair and Maintenance:** Versatile for various repair applications across industries.

## Key Features

1. **Superior Welding Performance:**
  - Supports both **TIG** and **MMA welding** with a wide output range of **10A to 400A**.
  - Ensures high-quality welds with smooth arc characteristics.
2. **Advanced TIG Controls:**
  - Equipped with **HF start**, gas **Pre-flow & Post-flow**, **Start Current & End Current**, and **Up & Down Slope** for superior welding precision and control.
3. **Durability and Portability:**
  - Compact and lightweight design, weighing only **35 kg** for ease of transport.
  - Built with **IP21S protection class** to handle tough industrial environments.
4. **Energy Efficiency:**
  - High power factor (**0.9**) and efficiency (**≥85%**) for reduced energy consumption.
5. **Enhanced Safety Features:**
  - Protection against **Over-Temperature**, **Under-Voltage**, **Over-Voltage**, and **Single-Phasing** for reliable operation.
6. **Continuous Operation:**
  - Excellent duty cycle with **310A at 100%** and **400A at 60%** for uninterrupted welding.

## Benefits

- **Unmatched Flexibility:** Wide current range supports various materials and welding requirements.
- **Enhanced Efficiency:** Reduces power consumption with high efficiency and power factor.
- **Portable Design:** Lightweight and compact for easy handling and transportation.
- **Advanced Control:** TIG features provide precise control for superior weld quality.
- **Reliable Operation:** Built-in safety features ensure consistent and secure performance.

## Package Includes

- **Power Source:** ZYROD 400 TIG Welding Machine.
- **TIG TORCH** – options for Water Cooled / Gas Cooled
- **Argon Gas Regulator with Flow Meter**
- **Hose Pipe 2mtr with clamp**
- **Welding Helmet (Optional)**
- **Earthing Cable with Clamp – 2 mtr**
- **Welding Cable with Holder – 2mtr (Optional)**

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