

## Electra Koko Tawa RAIL-1200

### High-Performance Submerged Arc Welding (SAW) Machine with Welding Trolley

The Electra Koko Tawa RAIL-1200 is a top-tier Submerged Arc Welding (SAW) machine designed to handle heavy-duty industrial applications. With exceptional welding capacity, integrated features, and durable construction, it is the perfect choice for high-performance welding tasks. The RAIL-1200 delivers superior efficiency and reliability.



### Key Features

- **High Welding Capacity:** Delivers a powerful output current range suitable for heavy-duty welding tasks.
- **Advanced Control System:** Precise voltage and current adjustments through a user-friendly interface.
- **Durable Construction:** Engineered with rugged materials for long-lasting performance in demanding environments.
- **Integrated Welding Trolley:** Includes a sturdy trolley for easy movement and positioning.
- **Energy Efficient:** Designed for optimized power consumption while maintaining exceptional performance.

### Applications

- **Heavy Fabrication:** Ideal for welding large structures such as girders, I-beams, and pressure vessels.
- **Shipbuilding:** Suitable for assembling ship components requiring deep weld penetration.
- **Railway Manufacturing:** Perfect for welding railway undercarriages and related structures.
- **Industrial Equipment:** Applicable in the fabrication of boilers, heat exchangers, and heavy machinery.

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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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## Technical Specifications

### Included Accessories

- **Welding Tractor:** Integrated control system for precise movement and operation.
- **Flux Hopper:** 10 kg capacity for uninterrupted welding operations.
- **Welding Head:** Equipped with a mechanical clutch for manual adjustments.
- **Horizontal and Vertical Slides:** For precise welding head positioning.
- **4-Roll Drive Wire Feed Motor:** Ensures smooth and consistent wire feeding.
- **Wire Spool Holder:** Integrated into the welding trolley with a 25 kg capacity.
- **Interconnection Cable:** 15 m of 95 square mm high-quality copper for reliable performance.
- **SAW Wire Capability:** Capable of welding with wires up to 5 mm in diameter.
- **Control Cables and Connectors:** Complete setup for immediate operation.

| Specification                        | RAIL-1200                        |
|--------------------------------------|----------------------------------|
| Input Voltage                        | 3-phase AC 415V $\pm$ 15%        |
| Rated Input Capacity                 | 64.5 kVA                         |
| No-Load Voltage                      | 80V                              |
| Output Current Range                 | 112 – 1250A                      |
| Rated Output Voltage                 | 44V                              |
| Duty Cycle                           | 60%                              |
| Efficiency                           | 85%                              |
| Power Factor                         | 0.93                             |
| Insulation Class                     | F                                |
| Protection Class                     | IP21                             |
| Dimensions (L $\times$ W $\times$ H) | 580 $\times$ 300 $\times$ 580 mm |
| Weight                               | 98 kg                            |
| Wire Diameter                        | $\phi$ 3.2 – $\phi$ 5.0 mm       |
| Tractor Travel Speed                 | 6 – 72 m/h                       |
| Wire Feed Speed                      | 0.5 – 2.5 m/min                  |
| Cooling Method                       | Forced Air                       |

### Why Choose Electra Koko Tawa RAIL-1200?

- **Robust Performance:** Delivers reliable and precise welds for demanding applications.
- **Advanced Engineering:** Incorporates the latest technology for superior efficiency.
- **Durability and Mobility:** Built to last and equipped with a trolley for easy transport.
- **Versatile Usage:** Compatible with a wide range of applications and materials.

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