

LOTUS-315D

315A DIGITAL MMA / ARC INVERTER WELDING MACHINE

**315A OUTPUT | 60% DUTY CYCLE | 220V / 415V DUAL
VOLTAGE | ONLY 6 kg**

Compact Power for Professional Fabrication

The **ELECTRA KOKO-TAWA LOTUS-315D** is a compact digital DC inverter welding machine designed for professional MMA / ARC welding applications.

Powered by advanced **IGBT inverter technology**, the LOTUS-315D combines high welding output, wide input-voltage capability, stable arc characteristics and an exceptionally compact **6 kg** body. It is ideal for fabrication, construction, maintenance, workshop and on-site welding applications.



TECHNICAL SPECIFICATIONS

PARAMETER	LOTUS-315D
Welding Process	MMA / ARC (SMAW)
Power Source	Digital DC IGBT Inverter
Rated Input Voltage	220V / 415V
Input Voltage Operating Range	AC 150V–560V
Rated Input Capacity – 220V	7.7 kVA
Rated Input Capacity – 415V	12.2 kVA
Rated Input Current – 220V	35A
Rated Input Current – 415V	32A
No-Load Voltage – 220V	76V
No-Load Voltage – 415V	66V
Rated Welding Output	315A / 32.6V
Rated Duty Cycle	60% @ 315A
100% Duty Cycle Output	240A / 29.6V
Maximum Electrode Diameter	Ø 5.0 mm
Efficiency	≥80%
Insulation Class	F
Enclosure Protection	IP21S
Weight	6 kg
Dimensions (L × W × H)	375 × 168 × 280 mm

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ELECTRA KOKO TAWA WELD (P) LTD.
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ELECTRA® KOKO-TAWA® (Registered Trademark)
Trusted Since 1996

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RECOMMENDED MMA WELDING PARAMETERS

ELECTRODE DIAMETER	RECOMMENDED WELDING CURRENT
Ø 1.6 mm	40–80 A
Ø 2.0 mm	60–100 A
Ø 3.2 mm	90–150 A
Ø 4.0 mm	140–180 A

APPLICATIONS

The ELECTRA KOKO-TAWA LOTUS-315D is suitable for a wide range of professional welding applications, including:

Structural Fabrication • Construction & Infrastructure • Heavy Fabrication • Industrial Maintenance • Steel Structures • Machinery Manufacturing • Automobile Workshops • Shipbuilding • Pressure Vessels • Engineering Workshops • On-Site Repair & Maintenance

Suitable for welding **carbon steel, stainless steel, alloy steel and other compatible metals** using appropriate welding electrodes.

KEY FEATURE	HIGHLIGHT	KEY FEATURE	HIGHLIGHT
High Output	315A / 32.6V	Duty Cycle	60% @ 315A
Wide Voltage	AC 150V–560V	Dual Voltage	220V / 415V
Technology	Digital DC IGBT	Safety	Built-in VRD
Arc Performance	Fast Dynamic Response	Input Stability	Voltage Fluctuation Resistant
Protection	Thermal Overload	PCB Protection	Moisture & Corrosion Resistant
Current Control	Simple Single-Knob	Efficiency	≥80%
Weight	Only 6 kg	Electrode Capacity	Up to Ø 4.0 mm

ELECTRA KOKO-TAWA

Industrial Welding Equipment | Noida – Bharat

www.electrawelding.com

Specifications are based on the LOTUS-315D technical manual supplied with the machine and are subject to product revision and improvement. Please refer to the machine nameplate and user manual for final installation and operating parameters.

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