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ARC WELDING MACHINE AZA1234

The AZA1234 Arc Welding Machine by AZA Lab is a high-performance, inverter-based welding system engineered for heavy-duty industrial applications. Designed for fabrication workshops, structural welding, and maintenance operations, it delivers consistent arc stability, high efficiency, and reliable performance across diverse materials and electrode types.

Built with advanced IGBT inverter technology, the AZA1234 ensures reduced energy consumption, minimal spatter, and superior weld quality—even under unstable power supply conditions.

Key Features

- High-frequency inverter technology (up to 20 kHz)
- High duty cycle for continuous operation
- Stable arc with long cable length (up to 100 m)
- Auto power fluctuation compensation
- Anti-stick protection across full range
- Wide electrode compatibility
- Excellent weld seam quality
- Energy-efficient and durable design

Applications

- Industrial fabrication workshops
- Structural steel welding
- Plant maintenance & repair
- Heavy engineering projects
- Construction & infrastructure
- Training institutes & industrial labs





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TECHNICAL SPECIFICATIONS

Parameter	Details
Model	AZA1234
Supply Voltage	415 VAC \pm 15%
Frequency	50 / 60 Hz
Phase	3 Phase
Input Power	18.2 kVA
Rated Input Current	27.6 A
Output Current Range	40 – 400 A
Maximum Output Current	400 A
Duty Cycle	60%
Efficiency	85%



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TECHNICAL SPECIFICATIONS

Parameter	Details
Power Factor	0.93
No Load Voltage	68 V
No Load Loss	100 W
Protection Class	IP21
Dimensions (L×W×H)	21.5 × 11 × 21.5 in
Weight	33 kg

