



Overview

This high-performance Arc Welding Machine is designed for demanding industrial applications, utilizing advanced IGBT inverter technology to ensure stable output and high efficiency. With a robust current capacity of 500 Amps and a durable construction, it is ideal for heavy-duty welding environments.

Key Features

- **IGBT Inverter Technology**
Offers improved power efficiency and enhanced arc stability.
- **High Output Current**
Supports welding applications requiring up to 500 Amps, suitable for thick workpieces.
- **Dual Phase Operation**
Compatible with 1+2 phase AC 380V input supply for flexible installation.
- **High Efficiency**
Greater than 85% efficiency reduces power consumption and heat generation.
- **Compact and Durable Design**
Rugged build in a compact footprint of 490 × 240 × 400 mm and IP21S-rated enclosure for basic protection against environmental factors.
- **Adaptive Electrode Compatibility**
Suitable for 2.5 mm to 4.0 mm electrodes.
- **Low No-Load Voltage**
Ensures operator safety during standby mode.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Technical Specifications

Parameter	Specification
Machine Type	Arc Welding Machine
Technology	IGBT Inverter
Input Voltage	AC 380V
Phase	1+2 Phase
Frequency	50/60 Hz
Working Frequency	20 kHz
Rated Power	24 kW
Output Current	500 A
Current Range	Above 400 Amp
No Load Voltage	60 V
Efficiency	>85%
Load Duration (Duty Cycle)	0.6 (60%)
Electrode Compatibility	2.5 mm – 4.0 mm
Protection Rating	IP21S
Dimensions (L×W×H)	490 × 240 × 400 mm
Weight	20 kg
Country of Origin	India

Applications

- Structural Fabrication
- Heavy Industrial Welding
- Shipbuilding and Construction Sites
- Repair and Maintenance Work
- Engineering Workshops

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