CONCORDE-630 Welding Machine



Introduction

The **CONCORDE-630 Welding Machine** is a high-capacity, inverter-based heavy-duty rectifier designed to deliver reliable DC output for industrial welding applications. With a rated output of **630A**, this machine is built to handle demanding welding tasks with superior efficiency and performance.

Key Features

1. **High-Performance Output:**
   - Delivers a maximum welding current of **630A** with an adjustable current range of **60A to 630A**.
   - Rated duty cycle of **100% at 380A** and **60% at 630A**, ensuring consistent and powerful performance.
2. **Advanced Inverter Technology:**
   - High efficiency of **≥85%**, reducing energy consumption during prolonged operations.
   - **Power Factor (COSφ): 0.99**, ensuring maximum power utilization.
3. **Durable and Safe Design:**
   - **IP21S Protection Class** for reliable operation in tough industrial environments.
   - **Insulation Class H** for enhanced thermal resistance.
4. **User-Friendly Design:**
   - Compact and robust dimensions for easy transport and storage.
   - Includes **welding cable with holder** and **earthing cable** (2.5m each), ready for immediate use.

Applications

- **Industrial Welding:** Perfect for heavy-duty industrial and structural welding projects.
- **Fabrication and Construction:** Designed for large-scale welding tasks, including machinery and infrastructure projects.
- **Repair and Maintenance:** Versatile for workshop and on-site equipment repair needs.

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Technical Specifications

Parameter	Unit	CONCORDE-630
Output		
No-load Voltage (OCV)	V	89
Working Voltage	V	22.4-44
Rated Welding Current	A	630
Current Range	A	60-630
Rated Duty Cycle	%	100% @ 380A / 60% @ 630A
Input		
Phase		3
Frequency	Hz	50/60
Supply Voltage	V	415
Maximum Effective Input Current	A	26
Rated Input Capacity	kVA	33
Efficiency and Protection		
Efficiency	%	≥85
Power Factor (COSφ)		0.99
Protection Class		IP21S
Insulation Class		H
Physical Specifications		
Weight	kg	28
Dimensions (L×W×H)	mm	502 × 252 × 490

Benefits

- **Efficient Performance:** Delivers consistent welding power for demanding tasks.
- **Energy-Efficient Design:** Reduces energy consumption with its advanced inverter technology.
- **Rugged Construction:** Built to withstand challenging industrial environments.
- **Complete Package:** Includes necessary cables for hassle-free operation.

Package Includes

- **Power Source:** CONCORDE-630 welding machine.
- **Welding Cable with Holder:** 2.5 meters.
- **Earthing Cable:** 2.5 meters.

The **CONCORDE-630 Welding Machine** is designed for unmatched performance and reliability, making it the ideal choice for heavy-duty welding applications!

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