

# CHAMP 400

**The new world class inverter based  
DC welder**



- Three phase inverter based, high efficiency and high power factor DC Welder
- Enhanced Reliability due to SMD technology
- High frequency IGBT based Rectifier
- Arcforce adjustment on panel.
- TIG Welding possible with External HF Unit



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## SALIENT FEATURES

- Latest inverter technology
- Very high operating frequency
- IGBT based
- High efficiency (>80%)
- Smooth and stable arc with minimum spatter
- Hot start / arc force control / soft arc control features available as standard
- Controls provided for adjustments of Innovative Arc dynamics
- TIG operation possible with external HF unit.

## PROTECTIONS

- Voltage protections for over and under voltage
- Over Temperature
- Protection against Single phasing

## SPECIFICATIONS

TECHNICAL SPECIFICATIONS	UNIT	CHAMP 400
<b>INPUT</b>		
Input Supply:		
Voltage	Volts.	415 , +10% , -15%
Phase	No.	3
Frequency	Hz	50/60
Max. Input @ 100% duty cycle	KVA	12.5
<b>OUTPUT</b>		
Open Circuit Voltage	Volts +/-5%	87
Welding Current Range	Amps	10-400
@ 60% duty cycle	Amps	400
@ 100% duty cycle	Amps	310

GENERAL		
Arc force setting		Adjustable by Potentiometer
Current Display		4 digit –7 segment LED display
Ingress Protection	Class	IP23
Cooling	Type	Forced Air
Insulation	Class	F
Dimensions (approx.)		
Length	mm	680
Width	mm	340
Height	mm	
Weight	Kg	58
<b>SPECIFICATION</b>	<b>MODEL</b>	
Power Source	CHAMP 400	

