



CHAMP 250



The world class Inverter based DC Welder








SALIENT FEATURES

- Three phase PWM controlled inverter based, high efficiency and high power factor heavy duty DC welder
- Enhanced Reliability due to SMD technology
- High frequency IGBT based Rectifier
- Arc force adjustment on panel
- TIG Welding possible with External HF Unit
- Light weight, compact and portable for easy handling
- High efficiency
- Built in Hot Start
- Smooth and stable arc with minimum Spatter

PROTECTIONS WITH AUTO RESET

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

SPECIFICATIONS

Technical Specifications	Unit	CHAMP 250
Input		
Input Supply :		
Voltage 	Volt	415, +15%, -10%
Phase	No	3
Frequency	Hz	50/ 60
Input KVA @ 415 Vac 		
@ 100% duty cycle	KVA	7.5
@ No Load	KVA	0.15
Power Factor	CosØ	0.94
Efficiency	%	85
Output		
Open Circuit Voltage 	Volt	84
Welding Current Range 	Amps	10-250
Welding Current (40°C 10 minute cycle)		
@ 60% duty cycle	Amps	250
@ 100% duty cycle 	Amps	195





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General		
Suitable Welding Electrode size	mm Ø	1.6, 2.5, 3.2, 4 and intermittent 5 mm
Arc force setting 	-	Adjustable by Potentiometer
Built in Hot Start	-	25% more than set current for 2 seconds
Current Display (Actual)		3 digit –7 segment digital panel pcb
Ingress Protection	Class	IP23
Cooling 	Type	Forced Air
Insulation	Class	H
Insulation		
Dimensions		
Length 	mm	520
Width	mm	260
Height (with handle)	mm	450
Height (without handle)	mm	410
Weight (approx.) 	Kg	26

- **Warranty:** One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.