



CHAMP 500 / CHAMP 600



The world class Inverter based DC Welder





SALIENT FEATURES

- Three phase inverter based, high efficiency and high power factor DC Welders
- Enhanced Reliability due to SMD technology
- High frequency IGBT based Rectifier
- Arc force adjustment on panel
- TIG Welding possible with External HF Unit
- Suitable for all electrodes including 6010, 7010G and 8010G
- Latest PWM inverter technology
- Smooth and stable arc with minimum spatter
- Suitable for Gouging Application and long distant welding
- Arc force adjustments provided on the front panel
- TIG operation possible with external HF TIG Control unit.

PROTECTIONS WITH AUTO RESET

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

SPECIFICATIONS

Technical Specifications	Unit	CHAMP 500	CHAMP 600
Input			
Input Supply :			
Voltage 	Volt	415 , +15%, -10%	
Phase	No	3	
Frequency	Hz	50/ 60	
Input KVA @ 415 Vac 			
@ 100% duty cycle	KVA	17.5	22.0
@ No Load	KVA	0.27	0.31
Power Factor	CosØ	0.93	
Efficiency	%	87	







Cont.

CHAMP 500 / CHAMP 600



The world class Inverter based DC Welder

Cont.

Output			
Open Circuit Voltage		Volt	89
Welding Current Range		Amps	20-500 20-600
Welding Current (40°C 10 minute cycle)			
@ 60% duty cycle		Amps	500 600
@ 100% duty cycle		Amps	387 465
General			
Suitable Welding Electrode size		mm Ø	2.5, 3.2, 4, 5 and 6.3 mm
Suitable for Gouging Electrode Size		mm Ø	Max. up to 9mm Max. up to 9 mm 12mm –limited use
Arc force setting			Adjustable by Potentiometer
Current Display (Actual)			4 digit –7 segment digital panel pcb
Ingress Protection		Class	IP23
Cooling		Type	Forced Air
Insulation		Class	H
Welding Output Terminals			Stud type for Lug type cable connections
Dimensions			
Length		mm	700
Width		mm	460
Height (with handle)		mm	575
Height (without handle)		mm	630
Weight (approx.)		Kg	57 58

- **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.