



## CHAMP T400



The world class Inverter based DC Welder



### SALIENT FEATURES

- Three phase IGBT inverter based, high efficiency and high power factor DC Welder
- High OVC and suitable for Long distance welding and cellulosic electrodes
- Enhanced Reliability due to SMD technology
- Capable of Welding with all types of cellulosic electrodes including 6010, 7010G and 8010G I HF Unit
- 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
- Capable of Welding with 100 meter + 100 meter welding and return cables
- Smooth and stable arc with minimum spatter
- Controls provided for adjustments of Arc force
- 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 T400
<b>Input</b>		
Input Supply :		
Voltage 	Volt	415 , +15%, -10%
Phase	No	3
Frequency	Hz	50/ 60
Input KVA @ 415 Vac 		
@ 100% duty cycle	KVA	14
@ No Load	KVA	0.24
Power Factor	CosØ	Upto 0.93
Efficiency	%	≥ 85
<b>Output</b>		
Open Circuit Voltage 	Volt	85 V DC
Welding Current Range 	Amps	10-400
Welding Current (40°C)		

Cont.

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@ 60% duty cycle (10 minute cycle)	Amps	400
@ 100% duty cycle 	Amps	310
<b>General</b>		
Suitable Welding Electrode size	mm Ø	2.5, 3.2, 4, 5 and 6.3 mm
Arc force setting 	-	Adjustable by Potentiometer
Current Display (Set Current & Actual Current)	A	3 digit –7 segment digital panel pcb
Ingress Protection		IP23
Cooling 	Class	Forced Air
Insulation	Type	H
Welding Output Terminals	Class	Stud type for Lug type cable connections
Dimensions L x W x H	mm	660 X 305 X 530
Weight (approx.) 	Kg	40

- **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.