

# CHAMP 400

The new world class Inverter based Indigenous 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
- Arc force adjustment on panel
- TIG Welding possible with External HF Unit
- Robust, Reliable design for heavy duty applications
- Suitable for all electrodes including 6010, 7010G and 8010G



WELDERS TO THE NATION SINCE 1951  
**ADOR WELDING LIMITED**

(Formerly Known as Advani-Oerlikon Ltd.)

[www.adorwelding.com](http://www.adorwelding.com)



# CHAMP 400

The new world class Inverter based  
Indigenous DC welder



## SALIENT FEATURES

- IGBT based latest inverter technology
- High efficiency (>82%)
- Smooth and stable arc with minimum spatter
- In Built Hot start features available as standard
- Controls provided for adjustments of Arc force
- TIG operation possible with external HF TIG Control unit.
- Suitable for Electrode size (diameter ) from 2.5 mm to 6.3 mm for SMAW process

## PROTECTIONS WITH AUTO RESET

- 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 , +15%, -10%
Phase	No.	3
Frequency	Hz	50/60
Input KVA @ 100% duty cycle	KVA	14
@ No Load	KVA	0.26
<b>OUTPUT</b>		
Open Circuit Voltage	Volts	80
Welding Current Range	Amps	10-400
Welding Current (40°C 10 minute cycle) @ 60% duty cycle	Amps	400
@ 100% duty cycle	Amps	310
<b>GENERAL</b>		
Arc force setting Current Display (Set and Actual) Remote controller		Adjustable by Encoder 4 digit -7 segment LED display For current setting with digital display
Ingress Protection Cooling Insulation Welding Output Terminals	Class Type Class	IP23 Forced Air H Stud type for Lug type cable connections
Dimensions Length Width Height	mm mm mm	730 480 730
Weight (approx.)	Kg	67
<b>ORDERING INFORMATION</b>		<b>PRODUCT CODE</b>
Standard Power Source - MMA outfit		CHAMP 400 F.10.34.501.0003
<b>OPTIONAL ACCESSORIES</b>		
Welding Accssories		WAC-403 S10.34.501.0003



- **Warranty:** One year from the date of purchase. 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.



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5/A, Corpora, L. B. S. Marg, Bhandup (West), Mumbai - 400 078. INDIA  
Tel: +91 22 6623 9300/35 Fax: +91 22 2596 6562/6062 Email: cmo@adorians.com