

Creating the best welding experience



**Performance Driven**  
**Champmig 400 CC/CV**

# Champmig 400 CC/CV

Heavy Duty Inverter Based GMAW / SMAW Welding Outfit



## SALIENT FEATURES

- High efficiency and high Power factor multi process DC Welder.
- User friendly Digital front panel and remote controller for MMA welding.
- Crater voltage, Crater current & Inductance adjustment on front panel for MIG/MAG welding
- Start and Arc Force adjustment on panel for MMA welding.
- Crater ON (4T) and Crater OFF (2T) mode of operation.
- Gas check switch on front panel.
- Wire speed and Voltage setting remotely from wire feeder.
- Complies to IEC 60974-1 Standard.

## PROTECTIONS WITH AUTO RESET

- Input Supply Voltage protections for Over and Under voltage
- Over Temperature
- Protection against Singe phasing.
- Protection against false torch switch triggering.
- Protection against loose connection of Interconnecting cable between power source and wirefeeder.

Technical Specifications	Value	Unit
Supply Voltage, Phase, Frequency	415 , +15%, -10%; 3; 50 / 60	Volts AC; No.; Hz
Input KVA (MAX.)	13.0 @ 100% Duty Cycle, 19.0 @ 60% Duty Cycle, 0.24 @ No Load	KVA
Power Factor	0.93 MAX.	λ
Efficiency	≥ 85	%
Open Circuit Voltage	70 (± 5)	Volts DC
Welding Voltage And Crater Voltage Range	14 - 40	Volts DC
Welding Current Range	400 @ 60% Duty Cycle, 310 @ 100% Duty Cycle	Amps DC
Welding Current	10 – 400 (MMA). 50 - 400 (MIG/MAG).	Amps DC
Front Panel Controls and Display Functions	MMA	MIG/MAG
	<ul style="list-style-type: none"> <li>• Welding Current setting</li> <li>• Arc Force Adjustment</li> <li>• Hot Start Adjustment</li> <li>• Display Set and Actual Welding current</li> <li>• Display Actual Welding voltage</li> </ul>	<ul style="list-style-type: none"> <li>• Crater Current Setting</li> <li>• Crater Voltage Setting</li> <li>• Inductance Adjustment</li> <li>• Display Set wire speed and actual welding current</li> <li>• Display set and actual Welding voltage</li> <li>• 2T/4T selection</li> <li>• Gas Check switch</li> </ul>
	<ul style="list-style-type: none"> <li>• Welding Mode selection switch</li> <li>• Display Machine Tripping Error numbers against protections.</li> </ul>	
Welding Electrode and Wire Sizes	E-6013 & E-7018: 2.5 -6.3mm    0.8mm -1.6 mm Wires	mm
Remote Control (Optional)	Provided as Optional for Current setting in MMA welding	10 meter
Cooling	Forced Air	Type
Class of Insulation	H	Class
Degree of Protection	IP23 (S)	Degree
Dimensions (L X W X H)	580mm X 237mm X 440 mm	mm
Weight (approx.)	28	Kg

- **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.