

Creating the best welding experience

  
peace of mind™



**Ultra Durable**  
**Champ 400 X**

# Champ 400 X

Inverter based DC welder



CHAMP 400 X from ADOR is a most reliable and dependable workhorse SMAW welding machine proven for a wide range of applications (which can also be used for TIG Welding by using external HF Unit). The Inverter based power source with tropicalized zero-maintenance design enables welder to obtain the desired arc current with ease.



## SALIENT FEATURES

- High efficiency and high-power factor DC Welder.
- VRD feature to reduce output voltage to safe level with VRD ON/OFF switch.
- Suitable for Heavy duty Welding application.
- Hot Start and Arc force adjustment on panel.
- Complies to IEC 60974-1 Standard.
- Light weight, compact and portable for easy handling.

## PROTECTIONS WITH AUTO RESET

- Input Supply Voltage protections for over and under voltage.
- Over Temperature.
- Protection against single phasing.

Technical Specifications	Value	Unit
Supply Voltage, Phase	415V+15%-10%; 3; 50/60	Volts AC, $\emptyset$ , Hz
Input Power @ 415 V	13 @ 100% Duty Cycle, 19 @ 60% Duty Cycle, 0.2 @ No Load	KVA
Input Supply Current @ 415V	18 @ 100% Duty Cycle, 26 @ 60% Duty Cycle, 0.24 @ No Load	Amps AC
Efficiency	$\geq 85$	%
Power Factor	0.93 Max	$\lambda$
Open Circuit Voltage @ 415 V Input Supply	70 V(+/-5V)	Volts DC
Welding Current Range	10-400	Amps DC
Welding Current (at 40°C & 10 Minute Duty Cycle)	310 @ 100% Duty Cycle, 400 @ 60% Duty Cycle	Amps DC
Arc Force Control (MMA Mode)	0 -100 (80A More Current than Set Current When Set at full)	%
Hot Start (MMA Mode)	0 -100 (Hot Start Set % More Than Set Current)	%
Welding Electrode Sizes (Diameter)	E-6013 and E-7018: 2.5-6 mm;	mm
Remote Controller (Optional)	Provided as Optional for Current Setting	10 Meter
Cooling	Forced Air	Type
Class of Insulation	H	Class
Ingress Protection	IP23 (S)	-
Dimensions L X W X H	580 mm X 237 mm X 440 mm	mm
Weight (approx.)	24	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.

**ADOR WELDING LIMITED**

www.adorwelding.com